Initial Study/Mitigated Negative Declaration

Saloon Energy Storage Project

JUNE 2025

Prepared for:

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Project Information

1. **Project title:**

   Saloon Energy Storage Project (Project)

2. **Lead agency**

   Colusa County
   Department of Planning and Building
   220 12th Street
   Colusa, California 95932

3. **Contact person and phone number:**

   Ciara Fisher, Principal Planner, 530.458.0891

4. **Project location:**

   The Project site is located near 5266 Walnut Drive in Colusa County, California, approximately 4 miles southwest of the City of Williams (Figure 1, Project Vicinity). The Project site is located to the southeast of the Walnut Drive and East Camp Road intersection and sited within Assessor's Parcel Numbers (APNs) 016-290-053 and 016-290-009 (Figure 2, APN Parcels). A 0.5-mile underground transmission intertie line (intertie line) would connect the Project to the Pacific Gas & Electric (PG&E) Cortina substation located to the west of the Project site.

5. **Project sponsor's name and address:**

   Saloon Energy Storage LLC

6. **General plan designation:**

   Agriculture General (AG)

7. **Zoning classification:**

   Exclusive Agriculture (E-A)

8. **Surrounding land uses and setting:**

   The Project site is surrounded by primarily agricultural land uses, with scattered single-family residences and an existing transmission line located between Walnut Drive and the PG&E Cortina Substation and several existing transmission lines located to the west (Figure 3, Surrounding Land Uses). Aerial imagery from the late 1950s to present shows minimal changes in land cover, with the exception of the expansion of Cortina Substation.

9. **Tribal consultation**

   County to initiate.

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
AC	alternating current
AG	Agriculture General
APN	Assessor's Parcel Number
BCAQMD	Butte County Air Quality Management District
BESS	battery energy storage system
BMP	best management practices
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CBC	California Building Standards Code
CCAPCD	Colusa County Air Pollution Control District
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CFC	California Fire Code
CH_4	methane
CNEL	community noise equivalent level
CO	carbon monoxide
CO_2	carbon dioxide
CRHR	California Register of Historic Places
dB	decibel
dBa	A-weighted decibel
DC	direct current
DPM	diesel particulate matter
E-A	Exclusive Agriculture
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FHSZ	Fire Hazard Severity Zone
FTA	Federal Transit Administration
GHG	greenhouse gas
GSP	groundwater sustainability plan
GWP	global warming potential
HFC	hydrofluorocarbon
HMBP	Hazardous Materials Business Plan
HRA	health risk assessment
HVAC	heating, ventilation, and air conditioning
I	Interstate
intertie line	transmission intertie line
KOP	Key Observation Point
kV	kilovolt

Acronym/Abbreviation	Definition
L_{dn}	day–night noise level
L_{eq}	equivalent noise level over a given period
L_{max}	greatest sound level measured during a designated time interval or event
MBTA	Migratory Bird Treaty Act
MT	metric ton
MW	megawatt
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NF_3	nitrogen trifluoride
NFPA	National Fire Protection Association
NHMLA	Natural History Museum of Los Angeles
N_2O	nitrous oxide
NO_X	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
O_3	ozone
PCE	passenger car equivalent
PCS	power conversion system
PDF	project design feature
PFC	perfluorocarbon
PG&E	Pacific Gas & Electric
$PM_{2.5}$	particulate matter less than or equal to 2.5 microns in diameter
PM_{10}	particulate matter less than or equal to 10 microns in diameter
POCO	point of change of ownership
PPV	Peak Particle Velocity
Project	Saloon Battery Energy Storage Project
REC	recognized environmental condition
ROG	reactive organic gas
RTP	Regional Transportation Plan
SB	Senate Bill
SCADA	supervisory control and data acquisition system
SF_6	sulfur hexafluoride
SR	State Route
SVAB	Sacramento Valley Air Basin
SWPPP	Storm Water Pollution Prevention Plan
TAC	toxic air contaminant
VMT	vehicle miles traveled
WEAP	Worker Environmental Awareness Program
WFPA	Williams Fire Protection Authority
Wh	watt-hour

1 Project Description

1.1 Overview

Saloon Energy Storage LLC proposes to construct and operate an up to 150-megawatt (MW) battery energy storage system (BESS) that would deliver and receive power from the PG&E Cortina Substation located approximately 0.5 miles west of the Project. Utilizing battery technology similar to that used in electric vehicles, the Project would provide additional capacity to the electrical grid to assist with serving load during periods of peak demand by charging when demand is low and discharging when demand is high. The Project would also serve as an additional local capacity resource that would enhance grid reliability.

The Project is designed to charge or discharge electricity to and from the grid via battery storage cabinets with associated on-site support facilities consisting of a Project substation, inverters, collector lines, site security fencing, site access roads, a supervisory control and data aquisition (SCADA) system, and other ancillary facilities or equipment (Figure 4, Site Plan). The Project would also include a 115-kilovolt (kV) underground transmission intertie line (intertie line) that would extend from the Project substation approximately 0.5 miles west to the PG&E Cortina Substation. An expansion of the existing Cortina Substation would not be required to interconnect to the Project.

The Project facilities would be remotely operated year-round and would be available to receive or deliver electrical energy to the grid 24 hours a day, 365 days a year. After commissioning and during the operational life of the Project, qualified technicians would routinely inspect the BESS and conduct necessary maintenance to ensure safe operational readiness. If an issue arises, the system can remotely shut down and de-energize.

The Project is expected to create approximately 40 jobs during construction, many of which can be sourced from Colusa County and adjacent counties. As many of the required construction workers as possible would be sourced locally based on the qualifications of the task being performed. The Project would operate remotely but would require periodic maintenance to be performed by regional employees and contractors.

1.2 Project Location

The approximately 18.7-acre Project site is located near 5266 Walnut Drive in unincorporated Colusa County, California, approximately 4 miles southwest of the City of Williams. The Project site is located to the southeast of the Walnut Drive and East Camp Road intersection and sited within APNs 016-290-053 and 016-290-009. The development footprint of the BESS is anticipated to be approximately 14.5 acres, with approximately 4.2 acres within the Project boundary that would remain undisturbed. Additionally, a 0.5-mile intertie line is proposed to the PG&E Cortina Substation located to the west of the Project. Situated within an agricultural landscape, the Project site and surrounding area are currently comprised of orchards, paved roads, single-family homes, electrical infrastructure, and the PG&E Cortina Substation.

1.3 Project Components

1.3.1 Battery Energy Storage System

The Project would include placement of battery energy storage containers and associated electrical equipment, including medium voltage transformers and power conversion systems (PCS). Each unit would consist of a non-occupiable steel cabinet that houses battery modules and PCS equipment. The battery storage units are pre-fabricated off-site and arrive to the site ready to be installed and operated. The actual number of energy storage containers and types are approximate and subject to change based on available battery technology at the time of construction. Each battery energy storage container would have insulation, a module cooling system, a battery management system, fire detection equipment, PCS equipment containing the electronic controls, inverters, and a separate medium voltage step-up transformer. The primary storage components would consist of self-contained electrochemical battery systems using conventional storage technologies with proven safety and performance records. The BESS containers would be designed such that the periodic maintenance and replacement of underperforming battery components can be easily performed on an as-needed basis without replacing the entire module. Under the current design, the Project is anticipated to include a full build of approximately 55 inverters and 373 battery energy storage containers. Dimensions are expected to be approximately 30 feet long, 7 feet wide, and 9 feet high. The supplier of the battery energy storage and associated equipment has not been finalized at this time, and the number of units as well as the dimensions may be adjusted when final selection occurs. However, the total footprint of the Project in terms of impacted area is not expected to increase as a result of final selection and the footprint analyzed herein is the total disturbed area.

Individual lithium-iron phosphate, or similar technology, battery cells form the core of the BESS. At this time, the battery technology for the Project has not been finalized; Saloon Energy Storage LLC would determine battery type based on the technology available at the time of construction. BESS technology deployed for the Project would meet all applicable safety standards and California Fire Code requirements.

The battery cells, direct-current disconnect, and other ancillary equipment would be housed in outdoor-rated containers. BESS containers will not exceed 12 feet including any support structures, which could include concrete slabs or pile foundations, pending final design. The structures may also have a heating, ventilation, and air conditioning (HVAC) system for optimal performance and safety. Power for the HVAC system, lighting, and other electrical systems would be provided through a connection to the on-site station service transformer with connection lines installed above and/or below ground.

The BESS controller would provide a system of controls for the battery modules, PCS, medium voltage system, and up-to-the-point of connection with the electrical grid. The controllers would ensure that the BESS effectively responds to grid emergency conditions and would provide a secondary safety system designed to safely shut down the facility.

Fire detection measures are intrinsically incorporated in the Project design in accordance with National Fire Protection Association (NFPA) safety standards. It should be noted that the selection of batteries that would be used are not yet finalized; as such, the capacity and size of the containers may change, as may the ratings of the conversion equipment (inverters and transformers). The number of containers, inverters, and transformers and expected total MW capacity are an estimate based on currently available technology, as the storage industry has matured in the last few years and continues to mature. While the components and total MW of the Project may change, the overall footprint of the Project would remain consistent.

The BESS facility would be unstaffed and would include remote operational control; inspections and maintenance would be performed as necessary. The BESS facility would be uninhabited with no permanent restroom facilities, running water, or office space. Project operations would be monitored remotely through the SCADA system adjacent to the Project substation. Periodic inspections and maintenance activities would occur on the Project site.

1.3.2 Power Conversion System

The PCS would consist of an inverter, protection equipment, direct current (DC) and alternating current (AC) circuit breakers, harmonic filters, equipment terminals, and connection cabling system. Electric energy would be transferred from the existing power grid to the Project batteries during a battery charging cycle, and from the Project batteries to the power grid during a battery discharge cycle. The PCS would convert electric energy from AC to DC when energy is transferred from the grid to the battery, and from DC to AC when the energy is transferred from the battery to the grid. The energy conversion is enabled by a bi-directional inverter that connects the DC battery system to the AC electrical grid. The PCS would also include a transformer that converts the AC side output of the inverter to medium AC voltage to increase the overall efficiency of the BESS and to protect the PCS in the event of system electrical faults.

1.3.3 Fire Protection System

The Project would contain several layers of fire protection to minimize the risk of a thermal runaway, fire, explosion, or other abnormal event occurring within each BESS module and spreading to nearby Project equipment.

Within each BESS module, there would be multiple pre-engineered fire and explosion protection systems, including:

- Battery Management Systems
- Fire, heat, gas, and smoke detection systems
- Ventilation and explosion prevention systems

The battery management system continuously monitors the BESS module's status and is capable of responding to abnormal battery conditions before an emergency occurs.

The entire BESS facility would incorporate fire protection features, including a fire department access road that can accommodate a fully loaded apparatus and allow access to each BESS module and Project equipment within the facility, with two ingress/egress points to the site to allow for required circulation and a primary and a secondary access to the site. This access road would surround the entire BESS array and also act to separate the BESS modules from adjacent properties. Per the Fire Master Plan (Attachment 1), an on-site water supply for firefighting purposes would be provided, including a water storage tank and pump that meets fire code official requirements and fire department connection that allows immediate access to water supply. BESS modules would separate from each other and adjacent exposures (e.g., property lines, public ways, hazardous materials, combustible storage, etc.) to meet California Fire Code (CFC) requirements (Section 1207) and reduce the risk of fire propagating between units or off-site. Electrical disconnects for the facility would be installed in an easily accessible location for emergency responders to shut off power to the facility.

The Project facility and the state of each BESS module would be remotely monitored 24/7/365. This remote monitoring system, including on-site monitoring equipment and the off-site monitoring center, would comply with the NFPA 72 National Fire Alarm and Signaling Code.

Pursuant to the manufacturer specifications, the BESS units would be fully certified to the most rigorous international safety standards. This includes the following select certifications:

UL 1642 – Standard for Lithium Batteries (cell level certification)

UL 1741 – Standard for Inverters, Controllers, Converters, and Interconnection Equipment for DER

UL 1973 – Standard for Batteries for Use in Stationary Applications (module level certification)

UL 9540 – Standard for Energy Storage Systems and Equipment (system level certification)

UL 9540A – Battery Energy Storage System (ESS) Test Method

IEC 62619 – Standard for Battery Safety in Stationary Applications

NFPA 855 – Standard for the Installation of Stationary Energy Storage Systems

The Colusa County Fire District would have review and approval rights for the facility's fire protection and suppression plans. A Fire Master Plan has been prepared for the Project and is included as Attachment 1.

1.3.4 Project Substation

The Project substation would be the termination point of the collection system of 34.5 kV AC electricity. The power to and from the BESS would be passed through a final interconnection step-up transformer to convert it from 34.5 kV to 115 kV. The open-air Project substation is anticipated to be constructed adjacent to the BESS facilities. Facilities within the Project substation include dead ends with arresters, breakers, bus support, transformer, switchgear, and a static mast. The Project substation also includes a control enclosure for operational controls and metering controls. The specific size and equipment for the substation would be finalized at the detailed engineering stages as the Project progresses; however, the overall size of the Project would remain the same regardless of substation design.

If required, an emergency backup diesel generator would be installed adjacent to the substation to power critical safety systems in the event of a grid power outage. The generator would only be used in the event of an emergency and may not be required if the uninterruptible power supply included in each BESS cabinet is proven sufficient to power safety systems for the maximum duration of an emergency based on BESS manufacturer testing and fire code requirements.

1.3.5 Perimeter Fencing, Landscaping, Signage, and Lighting

The perimeter of the Project would be enclosed by a 6-foot-tall perimeter security fence topped with an additional 1 foot of barbed wire. An approximately 8-foot-high perimeter security fence, topped with approximately 1 foot of barbed wire, would be installed around the Project substation. Landscaping would also be installed along the project frontage adjacent to Walnut Drive. Primary access into the Project would be provided through a drive-through gate off Walnut Drive. The main purpose of the fence is to prevent unauthorized access to the site.

Low-elevation (less than 14 feet) controlled security lighting would be installed at the access gate along Walnut Drive, the Project substation, and the entrance to the BESS structures. Lighting would only be switched on

through manual activation (switch) when personnel enter the area. Lighting would only be installed in areas where it is required for safety, security, or operations, and would be directed on site and include shielding as necessary to minimize illumination of the night sky or potential impacts to surrounding viewers. All lighting would be installed in compliance with the Colusa County Code.

1.3.6 Access and Traffic

Primary access to the Project site would be from a newly constructed driveway off Walnut Drive. Delivery of material and supplies would reach the site through on-road truck delivery through Interstate (I) 5 at the Husted Road exit. The majority of the truck deliveries would be for BESS equipment, as well as any aggregate material that may be required for site preparation. The heaviest delivery loads to the site would consist of rock truck deliveries, concrete trucks, and the step-up transformer. Typically, the rock is delivered in "bottom dump trucks" or "transfer trucks" with single axles. Low-bed transport trucks would transport the construction equipment to the site as needed. The size of the low-bed trucks (axles for weight distribution) would depend on the equipment/materials transported.

As noted in Section 1.3.3 above, a fire department access road that can accommodate a fully loaded apparatus and allow access to each BESS module and Project equipment within the facility is needed. A secondary access and entrance to this road would be off Walnut Drive, approximately 450 feet east of the primary access road.

1.3.7 Transmission Intertie Line

The energy would be transported to and from the Project substation to the existing PG&E Cortina Substation through a 115kV intertie line. The Project would utilize one of two routes for the transmission intertie lines, which are outlined below.

1.3.7.1 Proposed Transmission Intertie Line

The proposed transmission intertie line would originate at the Project's on-site substation, run north to Walnut Drive, and then run underground along Walnut Drive approximately 0.5 miles west to the existing PG&E Cortina Substation. This 115 kV intertie line would be constructed underground and would require a franchise agreement along the Colusa County maintained road (Walnut Drive) to the PG&E Cortina Substation. In addition to the 115 kV intertie line, a new telecommunications fiber line would be constructed underground within the intertie line path.

The final right-of-way corridor selected is assumed to be up to 50 feet in width. Associated with trenching to install the ducts, surface construction impacts from the below ground option would be temporary. The Applicant would be responsible for the siting, design, and construction of the intertie line from the Project site to the point of change of ownership (POCO) on the PG&E parcel on which the PG&E Cortina substation sits, and PG&E would be responsible for the siting, design, and construction of the intertie line from the POCO to the PG&E Cortina substation.

1.3.7.2 Alternative Private Land Transmission Intertie Line

As an alternate to the intertie plan described in Section 1.3.7, the Applicant would be responsible for siting, design, and construction of the intertie line from the Project site to the point of change of ownership (POCO) through private land west of the project site, across East Camp Road and then across Walnut Drive. This alternate path is shown on Figure 1 and would also include a 50-foot width.

1.3.8 PG&E Intertie Line and Substation Upgrades

1.3.8.1 PG&E Transmission Intertie Line from POCO to Cortina Substation

PG&E would be responsible for siting, design, and construction of the transmission intertie line from the POCO to the Point of Interconnection at the Cortina Substation and install necessary equipment modifications inside the substation.

PG&E's portion of the intertie line would not require any crossings or modifications to other existing transmission or distribution lines and would not require construction of any transmission structures outside of PG&E's substation property. PG&E's portion of the gen-tie line would include the installation of one tubular steel pole that would be up to 70 feet tall. Should the Applicant's portion of the gen-tie line require crossing PG&E transmission or distribution lines, PG&E would be responsible for design and construction of any needed modifications to existing PG&E lines and structures.

1.3.8.2 PG&E Substation Upgrades

The Project would not require an expansion of the footprint of the PG&E Cortina Substation. Upgrades would occur within the existing fence. The substation modification would include demolition of obsolete substation equipment, and construction of a new substation bay including associated foundations, structures, circuit drops, transformers, circuit breakers, switches, grounding systems, underground conduits, pull boxes, IT equipment, and any other necessary equipment. Substation work would also include modifications to equipment in control buildings, and replacement of approximately 60 feet of substation fence in-place with non-conductive fencing material.

1.3.9 California Public Utilities Commission's Jurisdiction Over PG&E's Portion of the Project

The California Public Utilities Commission (CPUC) has jurisdiction over the siting, design, and construction of PG&E's interconnection facilities. PG&E's facilities are analyzed in this document because, combined with the Project's BESS system and related facilities, they constitute the Project being evaluated under the California Environmental Quality Act (CEQA). Nevertheless, PG&E's interconnection facilities are not part of this application proceeding and would not be authorized by the County's jurisdiction. For this reason, the mitigation measures identified in this MND are not applicable to PG&E's scope of work. Instead, PG&E has provided Avoidance and Minimization Measures and Best Management Practices it requires for work related to interconnection facilities, which have been identified and considered under the discussions of PG&E's portion of the Project.

1.3.10 PG&E Avoidance and Minimization Measures and Best Management Practices

PG&E's Avoidance and Minimization Measures and Best Management Practices (PG&E BMPs) are included as Appendix A.

1.4 Project Construction and Phasing

Construction would be primarily composed of the following activities:

- **Site Preparation:** The site would be prepared for construction. Trees would be removed from the site. Rough grading may be performed where required to accommodate the support structures and access roads. Detention basins, if required, would be created for hydrologic control. Access roads would be gravel or aggregate base depending on the final site geotechnical report. A temporary staging area would be constructed to hold materials and construction equipment.
- **Fencing and Landscaping:** A 6- to 8-foot-tall perimeter security fence would be installed around the BESS facility. An approximately 8-foot-high perimeter security fence, topped with approximately 1 foot of barbed wire, would be installed around the Project substation. Landscaping would also be installed along the Project frontage adjacent to Walnut Drive.
- **Electrical Work:** A substation pad for the step-up transformer would be poured, followed by the installation of the medium voltage stations, wiring of the modules through combiner boxes, and construction of the Project substation and grid interconnection. The medium voltage stations would sit on concrete foundations or driven piles, pending final design.

The Project is anticipated to be built over an approximately 12-month period from the onset of site preparation activities through testing and commissioning of the facility. It is anticipated that construction crews would work 8 hours or 10 hours per day, with work occurring Monday through Friday. Overtime and weekend work would be used only as necessary to meet scheduled milestones or accelerate schedule and would comply with applicable California labor laws. Estimated durations of construction activities are presented in Table 1.4-1. The majority of the phases listed below would occur concurrently and would not occur sequentially in isolation.

Table 1.4-1. Estimated Construction Activity Duration and Workforce Per Phase

Construction Activity	Approximate Duration	Expected Construction Workforce (Number of Employees)
Site preparation	4 weeks	20
Grading	8 weeks	20
BESS installation	40 weeks	60
Project substation installation	16 weeks	15
Intertie line site preparation	2 weeks	10
Riser pole foundation and tower erection (PG&E property)	1 week	10
Intertie line stringing and pulling	4 weeks	10
Commissioning	4 weeks	10

The anticipated construction scenario assumptions are provided in Table 1.4-2.

Table 1.4-2. Construction Scenario Assumptions

Construction Phase	Average One-Way Vehicle Trips			Equipment		
	Workers	Vendor Trucks	Haul Trucks	Equipment Type	Quantity	Daily Usage Hours
Site Preparation	40	8	0	Rubber Tired Dozers	2	10
				Tractors/Loaders/ Backhoes	2	10
Grading	40	8	0	Graders	2	10
				Tractors/Loaders/ Backhoes	2	10
				Rollers	2	10
Battery/Container Installation	120	40	2	Air Compressors	1	10
				Cranes	1	10
				Forklifts	1	10
				Tractors/Loaders/ Backhoes	1	10
Substation Installation	30	16	24	Aerial Lifts	1	10
				Air Compressors	1	10
				Bore/Drill Rigs	1	10
				Forklifts	1	10
				Trenchers	1	10
Gen-Tie Site Preparation	20	8	0	Rubber Tired Dozers	1	10
				Tractors/Loaders/ Backhoes	1	10
Gen-Tie Foundation and Tower Erection	20	8	0	Air Compressors	1	10
				Cranes	1	10
				Forklifts	1	10
				Pumps	1	10
				Welders	2	10
				Cement and Mortar Mixers	1	10
Gen-Tie Stringing and Pulling	20	8	0	Aerial Lifts	1	10
				Tractors/Loaders/ Backhoes	1	10
Commissioning	320	0	0	Generator Sets	1	4
Decommissioning	80	8	4	Concrete/Industrial Saws	2	10
				Cranes	2	10
				Rubber Tired Dozers	2	10
				Tractors/Loaders/ Backhoes	2	10

1.4.1 Project Construction Activities

Construction activities would include excavation and grading of the Project site. No structures would need to be removed during Project construction. Site preparation and construction would occur in accordance with all federal, state, and County zoning codes and requirements. Noise-generating construction would be limited to Monday through Friday between 7:00 a.m. and 5:00 p.m. If construction is required on Saturdays, the hours would be limited to 8:00 a.m. to 5:00 p.m. All stationary equipment and machines with the potential to generate a significant increase in noise or vibration levels would be located away from noise receptors to the extent feasible.

The Project site grading is anticipated to include approximately 5,050 cubic yards of cut and 5,050 cubic yards of fill, for an anticipated net zero.

All applicable federal, state, and local requirements and BMPs would be incorporated into the construction activities for the Project site. Beginning work on the Project site would involve preparing the land for installation of the BESS-related infrastructure, access driveways, and temporary construction staging areas. The construction contractor would be required to incorporate BMPs consistent with guidelines provided in the California Stormwater Quality Association's Construction BMP Handbook (CASQA 2024).

Site preparation would be consistent with County BMPs and the Colusa County Air Pollution District Rule 204: Dust and Fumes (Colusa County APCD 2019). Site preparation would involve the removal and proper disposal of existing debris that would unduly interfere with Project construction or the health and safety of on-site personnel. Dust-minimizing techniques would be employed, such as placement of wind control fencing, application of water, and application of dust suppressants. Conventional grading would be performed throughout the Project site but would be minimized to the maximum extent possible to reduce unnecessary soil movement that may result in dust. Earthwork scrapers, excavators, dozers, water trucks, paddlewheels, haul vehicles, and graders may all be used to perform grading. Land-leveling equipment, such as a smooth steel drum roller, would be used to even the ground surface and compact the upper layer of soil to a value recommended by a geotechnical engineer for structural support.

Trenching would be required for placement of underground electrical and communication lines as well as stormwater facilities and may include the use of trenchers, back hoes, excavators, haul vehicles, compaction equipment, and water trucks. After preparation of the site, concrete pads, equipment enclosures, and equipment vaults would be installed per geotechnical engineer recommendations.

During this work, multiple crews would be working on the site with various equipment and vehicles, including vehicles for transporting the batteries and other equipment. As the BESS enclosures are constructed, the electrical collection system would be installed.

1.4.2 Construction Water Use

Water consumption during construction would be required for dust suppression and earthwork. Construction and operational water would be provided by on-site groundwater through an improved existing well, a new well permitted and drilled (if necessary), or through off-site source delivered by truck. An on-site diesel generator may be used to power pumps for well water use during construction. It is anticipated that approximately 60 acre-feet of water would be used for construction activities. The approximation of 60 acre-feet of water use during construction (primarily for dust control) is based off recent water use for other battery storage projects with similar grading requirements

as the Saloon Energy Storage Project. As an example, Alpha Omega Power recently brought the Caballero Energy Storage project online in San Luis Obispo County, which used approximately 9 acre-feet of water during construction for an approximately 6-acre project. With the Saloon Energy Storage project there is up to 14.5 acres of project area disturbance with an additional 0.5 mile underground intertie line. Therefore, 60 acre-feet is on the high end of what would be expected for water use during construction. Any existing wells on site that are not used for the Project would be capped in place.

1.4.3 Construction Waste Handling and Control

1.4.3.1 Solid and Nonhazardous Waste

The Project would produce a small amount of solid waste from construction activities. This may include paper, wood, glass, plastics from packaging material, lumber, insulation, scrap metal and concrete, empty nonhazardous containers, and vegetation waste. These wastes would be segregated, where practical, for recycling. Non-recyclable wastes would be placed in covered dumpsters and removed on a regular basis by a certified waste-handling contractor for disposal at a Class III (nonhazardous waste) landfill.

1.4.3.2 Hazardous Materials

The hazardous materials used for construction would be typical of most construction projects of this type. Materials may include small quantities of gasoline, diesel fuel, oils, lubricants, solvents, detergents, degreasers, paints, ethylene glycol, dust palliatives, herbicides, and welding materials/supplies. A hazardous materials business plan would be prepared and would include a complete list of all materials used on site and information regarding how the materials would be transported and in what form they would be used. This information would be recorded to maintain safety and prevent possible environmental contamination or worker exposure. During Project construction, material safety data sheets for all applicable materials present at the site would be made readily available to on-site personnel.

1.4.3.3 Hazardous Waste

Small quantities of hazardous waste may be generated over the course of construction. These wastes may include waste paint, spent construction solvents, waste cleaners, waste oil, oily rags, waste batteries, and spent welding materials. Workers would be trained to properly identify and handle all hazardous materials. Hazardous waste would either be recycled or disposed of at a permitted and licensed treatment and/or disposal facility. All hazardous waste shipped off site for recycling or disposal would be transported by a licensed and permitted hazardous waste hauler.

1.5 Operations and Maintenance

Once constructed, the Project would operate 7 days per week, 365 days per year. The facility would be remotely monitored by the original equipment manufacturer and Saloon Energy Storage LLC or an affiliated company. Project operations would be monitored remotely through the SCADA system. The Project would include one single-story control enclosure for the SCADA system (approximately 400 square feet to 700 square feet and a height of approximately 15 feet) near the Project substation. Periodic augmentation of batteries within the Project site would occur to maintain the capacity over an approximate 25-year life. Occasionally, on-site maintenance would be required, which would include replacement of inverter power modules, filters, and miscellaneous electrical repairs on an as-needed basis. No permanent sanitary facilities would be required.

During operation of the Project substation, operation and maintenance staff would visit the substation periodically for switching and other operation activities. Maintenance trucks would be utilized to perform routine maintenance, including but not limited to equipment testing, monitoring, repair, routine procedures to ensure service continuity, and standard preventative maintenance.

Routine operations would require one or two workers in a light utility truck to visit the facility weekly. Typically, one major maintenance inspection would take place annually, requiring approximately 10 personnel for approximately 1 week. Additionally, it is assumed that every 3 years to 4 years, the site would be visited by a 20-person work crew in order to add or connect additional batteries to the facility. This would also require one crane and one forklift operating for 8 hours for 1 day.

1.6 Decommissioning

Decommissioning of the Project at the end of its useful life would include the removal of BESS equipment from the foundations, disconnection of wiring, and removal of site infrastructure. In general, the BESS would be recycled at the expiration of the Project's life. Most parts of the proposed system are recyclable. Batteries include lithium-ion, which degrades but can be recycled or repurposed. Site structures would include steel or wood and concrete. All of these materials can be recycled. Concrete from deconstruction would be recycled using local recyclers. Metal and scrap equipment and parts that do not have free-flowing oil may be sent for salvage.

Fuel, hydraulic fluids, and oils would be transferred directly to a tanker truck from the respective tanks and vessels. Storage tanks and vessels would be rinsed and transferred to tanker trucks. Other items that are not feasible to remove at the point of generation, such as smaller container lubricants, paints, thinners, solvents, cleaners, batteries, and sealants, would be kept in a locked utility structure with integral secondary containment that meets Certified Unified Program Agencies and Resource Conservation and Recovery Act requirements for hazardous waste storage until removal for proper disposal and recycling. It is anticipated that all oils and batteries would be recycled at an appropriate facility. Site personnel involved in handling these materials would be trained to properly handle them. Containers used to store hazardous materials would be inspected regularly for any signs of failure or leakage. Additional procedures would be specified in a Hazardous Materials Business Plan and/or Closure Plan, which would be submitted to the Certified Unified Program Agencies. Transportation of the removed hazardous materials would comply with regulations for transporting hazardous materials, including those set by the Department of Transportation, the U.S. Environmental Protection Agency, California Department of Toxic Substances Control, California Highway Patrol, and California State Fire Marshal.

1.7 Project Design Features

The Project has been designed to include construction-related project design features (PDFs) intended to reduce emissions of criteria air pollutants, reduce emissions of toxic air contaminants (TACs), and reduce incidental spills from vehicles to minimize the Project's environmental impacts, as follows:

PDF-AQ-1: The Project applicant shall use a California Air Resources Board (CARB) certified Tier 4 Final engine for the diesel generator to be used during the commissioning phase of construction and, if required, as an emergency generator during operations.

PDF-AQ-2: Standard construction practices that would be employed to reduce fugitive dust emissions include watering of the active sites 2 times per day, depending on weather conditions.

PDF-WQ-1: The Project applicant shall properly maintain all construction, operational, and decommissioning vehicles and equipment to prevent incidental spills of oil, grease, hydraulic fluids, and fuel onto paved Project driveways and accessways.

These PDFs are included as part of the Project; however, to ensure the PDFs are implemented during construction and operation, they are included within the Project's Mitigation Monitoring and Reporting Program and would be required as County-imposed Conditions of Approval to ensure they are implemented during the Project.

1.8 Project Approvals

Permits and approvals that are anticipated to be needed to construct, operate and maintain, and decommission the Project are identified in Table 1.8-1.

Table 1.8-1. Anticipated Permits and Approvals

Approving Agency	Required Permit/ Approval	Required For
Colusa County	Use Permit (UP)	Required for energy generation for off-site use within the E-A Zone.
Colusa County	Encroachment Permit	Required for construction within County roads.
Colusa County	Franchise Agreement	Required for installation of the underground intertie line within the County's right-of-way.
Central Valley Regional Water Quality Control Board (RWQCB)	Construction General Permit	Required for discharges of storm water associated with construction activity (if required).
California Public Utilities Commission	Authorizations pursuant to General Order 131-D	May be required for PG&E's network upgrades and/or interconnection facilities at the PG&E Cortina Substation.
Colusa County Air Pollution Control District	Authority to Construct and Permit to Operate	Required for all construction and equipment that may cause air contaminants
Colusa Certified Unified Agency	Hazardous Materials Business Plan	Required for any site that stores hazardous materials in excess of 55 gallons (liquids), 500 pounds (solids), or 200 cubic feet (compressed gas).
Williams Fire Protection District	Fire Service Agreement	Allows for adequate fire department resources to accommodate the Project.
California Public Utilities Commission and PG&E	Advice Letter for High Voltage Crossings	Allows for crossing of existing high voltage lines with new lines.
Western Area Power Authority (WAPA)	High Voltage Crossing Agreement	Allows for crowing of existing high voltage lines with new lines.

2 Initial Study Checklist

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

☒ Aesthetics	☒ Agriculture and Forestry Resources	☐ Air Quality
☒ Biological Resources	☒ Cultural Resources	☐ Energy
☒ Geology and Soils	☐ Greenhouse Gas Emissions	☒ Hazards and Hazardous Materials
☒ Hydrology and Water Quality	☐ Land Use and Planning	☐ Mineral Resources
☒ Noise	☐ Population and Housing	☒ Public Services
☐ Recreation	☒ Transportation	☒ Tribal Cultural Resources
☐ Utilities and Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

Determination (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature Date

Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level.
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
    a. Earlier Analysis Used. Identify and state where they are available for review.
    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c. Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
    a. the significance criteria or threshold, if any, used to evaluate each question; and
    b. the mitigation measure identified, if any, to reduce the impact to less than significance

2.1 Aesthetics

2.1.1 Environmental Setting

The Project site is in unincorporated Colusa County, California, in a predominantly flat landscape. The topography of the site is flat, consisting primarily of agricultural fields and roads. The area surrounding the Project site is a rural environment with few existing land uses that emit ambient light. There are no street or traffic lights in the vicinity of the Project. According to the California Scenic Highway mapping system, there are no officially designated or eligible State scenic highways in the Project vicinity (Caltrans 2018).

Key Observation Points (KOPs) were established in the surrounding area and comprise representative public vantage points that include views to the Project site and surrounding valley and mountain landscape (Figure 5.1, KOPs). Three KOPs were selected as representative vantage points in the landscape that offer local residents and motorists' views of the proposed Project from publicly accessible areas. Three dimensional visual simulations from representative KOPs were rendered to approximate the visual conditions resulting from implementation of the proposed Project. Visual simulations are presented in Figures 5.2 through 5.4.

Key Observation Point 1

KOP 1 is located on Walnut Drive, just west of the PG&E Cortina Substation. This KOP depicts the views oriented east towards the PG&E Cortina Substation, the proposed Project's underground intertie line, and the proposed riser pole associated with the POCO. As shown in Figure 5.2, the existing landscape setting is characterized by relatively flat agricultural land. Existing structural features include the PG&E Cortina Substation, overhead utility poles and lines, and Walnut Drive. Vegetation includes grasses and orchards. This KOP provides a typical view for motorists traveling east along Walnut Drive. Considering the short duration of viewing, viewers would have a low sensitivity to the visual changes in the area.

Key Observation Point 2

KOP 2 is located on Walnut Drive at the proposed Project's entrance. This KOP depicts views oriented southeast towards the proposed Project's gate and driveway off Walnut Drive. As shown in Figure 5.3, the existing landscape setting is characterized by relatively flat agricultural land. Existing structural features include overhead utility lines and Walnut Drive. Vegetation includes orchards. This KOP provides a typical view for motorists traveling east along Walnut Drive. Considering the short duration of viewing, viewers would have a low sensitivity to the visual changes in the area.

Key Observation Point 3

KOP 3 is located on Walnut Drive to the east of the proposed Project's entrance. The KOP depicts views oriented southwest towards the proposed Project's driveway off Walnut Drive. As shown in Figure 5.4, the existing landscape setting is characterized by relatively flat agricultural land in the foreground and steeper terrain associated with the foothills of the Coast Ranges in the background. Existing structural features include overhead utility poles and lines and Walnut Drive. Vegetation includes grasses and orchards. This KOP provides a typical view for motorists traveling west along Walnut Drive. Considering the short duration of viewing, viewers would have a low sensitivity to the visual changes in the area.

2.1.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS – Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☒	☐	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

a) Would the project have a substantial adverse effect on a scenic vista?

Less Than Significant Impact. There are no designated or eligible State scenic highways or vistas within 10 miles of the Project site (Caltrans 2018). After construction, the battery energy storage containers would stand approximately 12 feet in height and would not degrade or obstruct views of the surrounding mountains from the roads and vantage points surrounding the Project site. The maximum height of on-site substation equipment would be 30 feet. Additionally, the site would be screened by a 100-foot landscape buffer and the remainder of the project site would remain in agricultural production. Any trash, debris, and waste would be removed from the Project site during construction. Adverse visual effects from construction would be temporary and last only during the 12-month construction period. Construction activities may produce dust visible from Walnut Drive; however, development and implementation of a Fugitive Dust Plan as required by PDF-AQ-2 discussed in Section 2.3, Air Quality, would reduce visible dust. Therefore, there would be less than significant impacts to scenic vistas.

b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. There are no designated or eligible State scenic highways or vistas within 10 miles of the Project site. Given the brief viewing of the Project site and the lack of impacts to views caused by the Project (e.g., views of surrounding agricultural operations remain), there would be no impact to scenic resources.

c) In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less Than Significant Impact With Mitigation Incorporated. The Project site and surrounding areas are primarily dominated by agricultural land. While the proposed Project would not affect any designated scenic vistas, the Project involves the installation of an approximately 14.5-acre battery energy storage facility within an existing orchard. Thus, changes in the visual characteristics of the Project site would occur. The proposed battery energy storage containers would be approximately 12 feet in height once installed, and the maximum height of on-site substation equipment would be 30 feet; however, the site would be screened from adjacent roadways by a 100-foot landscape buffer. One riser pole up to 70 feet in height is proposed at the POCO just outside the PG&E Cortina Substation along Walnut Drive. Final height and structure type are subject to change pending final engineering, however, would be similar to other electrical transmission structures in the Project area and therefore would not substantially degrade the existing visual character along this corridor and impacts would be less than significant.

The lands surrounding the Project site are largely agricultural with scattered residences. Given the rural nature of the Project site, relatively few motorists are traveling on the roads adjacent to the Project site at any given time. The Project site is not located near any heavily visited land uses and would not be viewed regularly by the general public. The Project would not degrade or obstruct views of the surrounding mountains or surrounding agriculture from the vantage points surrounding the site.

The utility-related function and aesthetic of the Project would not substantially degrade the character of the surrounding area. The proposed 100-foot landscape buffer, which would consist of existing trees that would remain in agricultural production, would provide a visual buffer between the public roadways and the Project along Walnut Drive. Views into the Project site would be obscured and naturalized by the landscape buffer. Implementation of the landscape buffer would reduce the visual impacts of the Project site to less than significant.

The proposed battery energy storage containers (up to a height of approximately 12 feet once installed) are not anticipated to create a permanent visual obstruction for the background views of the mountains. Implementation of the proposed landscape buffer would reduce impacts to public views of the Project site from adjacent areas, but the views would be brief as shown in Figures 5.3 and 5.4.

A Decommissioning Plan would be prepared for the Project, refer to **MM-AGR-1** discussed in the Agricultural and Forestry Resources chapter, and submitted to the County for approval prior to the issuance of the Use Permit. The Decommissioning Plan would ensure that the Project site is returned to beneficial use upon termination of the proposed battery storage uses if required. Therefore, any visual impacts created by the Project would exist only for the life of the Project, and the Project site would be restored per the County requirements thereafter, and impacts would be less than significant with mitigation incorporated.

d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less Than Significant Impact. The Project site is located in a rural environment with few existing land uses that emit ambient light. The proposed Project is not expected to create a substantial new source of

nighttime lighting or daytime glare. Low-elevation (less than 14 feet) controlled security lighting would be installed only in areas where it is required for safety, such as at the access gate along Walnut Drive, the Project substation, and the entrance to the battery energy storage structures. Lighting would be directed on site and include shielding as necessary to minimize illumination of the night sky or potential impacts to surrounding viewers. All lighting associated with the Project would be in compliance with Colusa County requirements and would be subject to County approval. Battery storage containers would be coated in a non-reflective coating, reducing the potential for glare. Therefore, impacts would be less than significant.

2.2 Agriculture and Forestry Resources

2.2.1 Environmental Setting

The Project is located in unincorporated Colusa County in the northern Central Valley, which has a temperate climate with hot, dry summers. The Project site is surrounded by primarily agricultural uses, with scattered single-family residences and an existing transmission line located along Beauchamp Drive and the PG&E Cortina Substation and several existing transmission lines located to the west. Aerial imagery from the late 1950s to present shows minimal changes in land cover, with the exception of the expansion of the Cortina Substation.

The Project area is located within the Freshwater Creek watershed and Salt Creek sub-watershed and is in the Sacramento Valley, which begins at Shasta Lake in the north and extends south to the Sacramento/San Joaquin Delta. The Sacramento Valley is approximately 3.5 million acres and is most characterized by the agricultural working landscape that lies between the foothills of the Sierra Nevada on the east and the Coast Ranges on the west. Nearly 2 million acres in the valley are used for irrigated crops, including orchards (stone fruit and nuts), rice, grain, pasture, vineyards, tomatoes, and a variety of other field crops (Sacramento River Watershed Program 2024). The Project area does not occur within a Federal Emergency Management Agency (FEMA) flood hazard zone.

The Project site has a land use designation of Agriculture General (AG) per the Colusa County General Plan (Colusa County 2012) and is currently zoned as Exclusive Agriculture (E-A) per the Colusa County Zoning Code (Colusa County 2014). The Project site is designated as Prime Farmland per the California Department of Conservation Farmland Mapping and Monitoring Program. The California Department of Conservation defines Prime Farmland as “Farmland with the best combination of physical and chemical features able to sustain long term agricultural production. This land has the soil quality, growing season, and moisture supply needed to produce sustained high yields. Land must have been used for irrigated agricultural production at some time during the 4 years prior to mapping date” (California Department of Conservation 2024a).

2.2.2 Project Impacts

		Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
II.	**AGRICULTURE AND FORESTRY RESOURCES** – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☒	☐	☐
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☒	☐
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d)	Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e)	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☒	☐

a) ***Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?***

Less than Significant Impact with Mitigation Incorporated. The Project site is presently located on Prime Farmland. Although the Project site has been historically cultivated for agricultural production and has the necessary physical and chemical features to sustain long-term production of agriculture, a Decommissioning Plan would be prepared for the Project and submitted to the County for approval prior to issuance of a Use Permit. The Decommissioning Plan along with **MM-AGR-1** would ensure that the Project site is returned to a beneficial use upon termination of the proposed battery storage use. In addition, the

construction and operation of the BESS facility and intertie lines would not impact agricultural uses outside of these development areas. Therefore, any impacts to agricultural resources created by the Project would exist only for the life of the Project, and the Project site would be restored per County requirements thereafter. Impacts would be less than significant with mitigation incorporated.

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

Less Than Significant Impact. The Project site is zoned as E-A. The Colusa County Zoning Code addresses allowable uses in the E-A zoning district, which allows energy generation for off-site use with a Use Permit.

The Project site does not contain Williamson Act lands. Therefore, the Project would not conflict with existing zoning for agricultural use through approval of a Use Permit or conflict with a Williamson Act contract and would result in a less than significant impact.

c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?

No Impact. The Project is not zoned for forest land or timberland resources. No impacts associated with forest land or timberland resources would occur with the implementation of the Project.

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The Project site is an orchard and contains no forest land. The Project would not result in the removal or conversion of forest land; therefore, no impacts would occur.

e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

Less Than Significant Impact. The proposed Project would not cause other changes in the environment that would indirectly result in the conversion of farmland to non-agricultural uses. Adjacent agricultural uses would be left in place and would not be impacted due to development of the Project and intertie line. Further, energy generation for off-site use is considered an allowable use within the E-A zone with a Use Permit. The implementation of the proposed Project would not result in active farmland being converted to non-agricultural use and the Project would have a less than significant impact on changes to the existing environment.

Mitigation Measures

MM-AGR-1: Prior to issuance of a building and grading permits, a Decommissioning Plan encompassing the entire Project site, including ancillary facilities, shall be prepared to describe the approach to removal of facilities and equipment associated with the permanent closure of all or a portion of the Project. The Decommissioning Plan shall include a farmland restoration component and the entire Project area would be returned to agricultural production. Pre-construction conditions would be documented by digital photography and used as references to adequately restore the Project site to its previous condition. This information would be reviewed before decommissioning demolition documents are

prepared and would be included in the submittal of an Existing Conditions Report to the County. Preconstruction documentation would also include descriptions of existing vegetative and soil conditions, as well as existing topography and drainage patterns. In order to restore the site to preconstruction conditions, activities may consist of decompaction of the topsoil by disking or tilling and fertilization.

2.3 Air Quality

2.3.1 Environmental Setting

Dudek prepared an Air Quality, Greenhouse Gas, and Energy Technical Memorandum for the Project, which is attached as Appendix B and summarized herein.

2.3.1.1 Criteria Air Pollutants

The Project site is located within the Sacramento Valley Air Basin (SVAB) and is within the jurisdictional boundaries of the Colusa County Air Pollution Control District (CCAPCD), which has jurisdiction over the County where the Project is located. Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria air pollutants that are evaluated include volatile organic compounds (sometimes referred to as reactive organic gases (ROGs)), oxides of nitrogen (NO_x), carbon monoxide (CO), sulfur oxides, particulate matter with an aerodynamic diameter less than or equal to 10 microns in size (coarse particulate matter, or PM_{10}), and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in size (fine particulate matter, or $PM_{2.5}$). Volatile organic compounds and NO_x are important because they are precursors to ozone (O_3).

Regarding National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) attainment status,[1] Colusa County is currently designated nonattainment of the CAAQS for PM_{10} and attainment or unclassified for all other NAAQS and CAAQS (CARB 2023, EPA 2024a).

2.3.1.2 Non-Criteria Air Pollutants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic noncancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting

[1] An area is designated as in attainment when it is in compliance with the NAAQS and/or the CAAQS. These standards are set by the Environmental Protection Agency (EPA) and the California Air Resources Board (CARB), respectively, for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare. Attainment = meets the standards; attainment/maintenance = achieve the standards after a nonattainment designation; nonattainment = does not meet the standards; unclassified = expected to be meet the standard despite a lack of monitoring data.

hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years. Examples of TACs include diesel particulate matter (DPM) and asbestos.[2]

Although CARB has identified more than 200 TACs, approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). DPM is emitted from a broad range of diesel engines: on-road diesel engines of trucks, buses, and cars and off-road diesel engines including locomotives, marine vessels, and heavy-duty construction equipment, among others. DPM is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70 the diameter of a human hair), and thus is a subset of $PM_{2.5}$. DPM is typically composed of carbon particles (soot, also called black carbon) and numerous organic compounds, including over 40 known carcinogenic organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2024a). DPM contributes to premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Those most vulnerable to noncancer health effects are children, whose lungs are still developing, and the elderly, who often have chronic health problems (CARB 2024a).

Naturally occurring asbestos is found in some areas throughout California, including Colusa County, most commonly where ultramafic rock or serpentinite rock is present. When construction activities occur in areas with naturally occurring asbestos in the soils or rock, the asbestos fibers can become airborne and may be inhaled, which can cause chronic local inflammation and disrupt orderly cell division, both of which can facilitate the development of asbestosis (a noncancerous lung disease involving fibrotic scarring of the lungs) and cancer (OEHHA 2000).

Coccidioidomycosis, more commonly known as “Valley Fever,” is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. California Labor Code section 6709 defines “highly endemic” areas for valley fever as those areas where the annual incidence rate is greater than 20 cases per 100,000 persons per year. Colusa County is not considered a highly endemic region for Valley Fever, as the latest report from the California Department of Public Health indicated the County has 1 case per 100,000 people (CDPH 2023). In contrast, in 2022 the statewide annual incident rate was 19.1 per 100,000 people. The California counties considered highly endemic for Valley Fever include Kern (264.9 per 100,000), Kings (111.0 per 100,000), Tulare (65.7 per 100,000), San Luis Obispo (51.5 per 100,000), Fresno (44.3 per 100,000), Madera (32.4 per 100,000), and Ventura (28.3 per 100,000), which accounted for 50.5% of the reported cases in 2022 (CDPH 2023).

2.3.2 Thresholds of Significance

The significance criteria used to evaluate the Project impacts to air quality are based on the recommendations provided in Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.). For the purposes of this air quality analysis, a significant impact would occur if the Project would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.

[2] Asbestos is the common name for a group of naturally occurring fibrous silicate minerals that can separate into thin but strong and durable fibers, with principal forms including chrysotile, crocidolite, amosite, tremolite, actinolite, and anthophyllite (OEHHA 2000).

3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

CEQA Guidelines Appendix G indicates that, where available, significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether the Project would have a significant impact on air quality. As the CCAPCD has not yet developed significance thresholds for air quality impacts, the County recommended using thresholds that were adopted by the Butte County Air Quality Management District (BCAQMD) to determine significance, based on proximity in the SVAB (Geiger 2024). The most recent BCAQMD CEQA Air Quality Handbook – Guidelines for Assessing Air Quality and Greenhouse Gas Impacts for Projects Subject to CEQA Review (CEQA Air Quality Handbook) were adopted in March 2024 and include guidelines for project analysis and thresholds for criteria air pollutants, TACs, and greenhouse gas (GHG) emissions (BCAQMD 2024). The BCAQMD CEQA Air Quality Handbook outlines screening criteria for different types and sizes of land uses. However, for projects that do not meet the screening criteria, the BCAQMD requires that criteria air pollutant and GHG emissions be estimated using the California Emissions Estimator Model (CalEEMod), or another acceptable model. As the Project is not one of the types included in the screening options, the quantitative air quality analysis for the Project provided herein applies the BCAQMD thresholds identified below:

- Result in short-term (construction) emissions of ROG or NO_x above 137 lbs/day or above 4.5 tons/year, or emissions of PM_{10} or $PM_{2.5}$ above 80 pounds/day;
- Result in long-term (operational) emissions of ROG or NO_x above 25 lbs/day or emissions of PM_{10} or $PM_{2.5}$ above 80 lbs/day.

Regarding localized CO, although neither the CCAPCD nor BCAQMD have screening levels for intersection traffic that could result in potential CO hotspots, several other air districts have established these levels, which are described below to provide context of the magnitude of hourly volumes that could result in significant localized CO:

- The South Coast Air Quality Management District conducted CO modeling for its 2003 Air Quality Management Plan (SCAQMD 2003) for the four worst-case intersections in the South Coast Air Basin. At the time, the 2003 Air Quality Management Plan was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic volume of approximately 100,000 vehicles per day. Using CO emission factors for 2002, the peak modeled CO 1-hour concentration was estimated to be 4.6 ppm at the intersection of Wilshire Boulevard and Veteran Avenue. Accordingly, CO concentrations at congested intersections would not exceed the 1-hour or 8-hour CO CAAQS unless projected daily traffic would be at least more than 100,000 vehicles per day.
- The Bay Area Air Quality Management District determined that projects would result in a less-than-significant impact to localized CO concentrations if (1) project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour, or (2) project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway) (BAAQMD 2023).

Based on the Project's proximity to the San Francisco Bay Area Air Basin, the Bay Area Air Quality Management District screening criteria has been applied to this Project as a metric to evaluate CO hotspots.

In addition to criteria air pollutants, the BCAQMD has adopted the following thresholds to evaluate the significance of TACs:

- Result in TAC exposures at sensitive receptors within 1,000 feet from the project during construction or operations that create a lifetime cancer risk exceeding 10 in 1 million for individual projects, or increased non-cancer risk exceeding a hazard index of 1, or ambient diesel $PM_{2.5}$ exceeding an annual average of 0.3 ug/m^3;
- Result in cumulative TAC exposures at sensitive receptors within 1,000 feet from the project during construction or operations that create a lifetime cancer risk exceeding 10 in 1 million for individual projects, or increased non-cancer risk exceeding a hazard index of 1, or ambient diesel $PM_{2.5}$ exceeding an annual average of 0.8 ug/m^3 for new sources of TACs.

As indicated above, the BCAQMD recommends a carcinogenic (cancer) risk threshold of 10 in 1 million (BCAQMD 2024). For context, the National Cancer Institute estimates that approximately 40.5% of people will be diagnosed with cancer during their lifetimes (National Cancer Institute 2024). A cancer risk of 10 in a million indicates that a person has an additional risk of 10 chances in a million (0.001%) of developing cancer during their lifetime as a result of the air pollution scenario being evaluated, which is minimal and defined as the "No Significant Risk Level" for carcinogens in Proposition 65. Additionally, some TACs increase noncancer health risk due to long-term (chronic) or short-term (acute) exposures. The Hazard Index is the sum of the individual substance chronic or acute hazard indices for all TACs affecting the same target organ system.

2.3.3 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. In general, a project would conflict with or obstruct implementation of the applicable attainment plan if it would result in or induce growth in population, employment, land use, or regional vehicle miles traveled (VMT) that is inconsistent with the growth (and therefore the emission projection) assumptions in the applicable attainment plan (BCAQMD 2024).

As discussed under signficance criterion b) below, Project construction and operational emissions would not exceed the applied BCAQMD thresholds. The Project would also be required to comply with all applicable CCAPCD Rules and Regulations, including, but not limited to Rules 200 (Nuisance), 201 (Visible Emissions), and 252 (Stationary Internal Combustion Engines).

The Project site has a land use designation of AG per the Colusa County General Plan (Colusa County 2012) and is currently zoned as E-A per the Colusa County Zoning Code (Colusa County 2014). The Colusa County Zoning Code addresses allowable uses in the E-A zoning district, which allows energy generation for off-site use if a Use Permit is approved by the Colusa County Planning Commission. The Project would be consistent with the land use designations and zoning for the sites and, as an unmanned facility, would not result in or induce inconsistent growth in population, employment, or VMT.

Based on the preceding considerations, the Project would not conflict with or obstruct implementation of any applicable air quality attainment plan. This impact would be less than significant.

b) Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less Than Significant Impact. Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the CCAPCD develops and implements plans for future attainment of the ambient air quality standards. CEQA thresholds are established at levels that the air basin can accommodate without affecting the attainment date for the ambient air quality standards. Based on these considerations, Project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a project's individual emissions would have a cumulatively significant impact on air quality.

Construction Emissions

Proposed construction activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment and soil disturbance) and off-site sources (i.e., on-road vendor trucks, haul trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for particulate matter, the prevailing weather conditions. Therefore, such emission levels can only be approximately estimated.

CalEEMod Version 2022 was used to estimate emissions from construction of the Project. Internal combustion engines used by construction equipment, trucks, and worker vehicles would result in emissions of ROG, NO_x, CO, PM_{10}, and $PM_{2.5}$. PDF-AQ-1, which requires a Tier 4 Final engine for the diesel generator, was accounted for in the emissions estimates. PM_{10} and $PM_{2.5}$ emissions would also be generated by entrained dust, which results from the exposure of earth surfaces to wind from the direct disturbance and

movement of soil. PDF-AQ-2 was accounted for in the emissions estimates, which requires standard construction practices to reduce fugitive dust, such as watering actively disturbed areas 2 times per day.

CalEEMod calculates maximum daily emissions for summer and winter periods. As such, the estimated maximum daily construction emissions for both summer and winter periods are summarized in Table 2.3-1. Details of the emission calculations are provided in Appendix B.

Table 2.3-1. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Summer						
2026 (Construction)	2.75	25.93	30.23	0.11	8.10	4.40
2027 (Construction)	2.71	17.77	42.29	0.10	3.57	1.26
2052 (Decommissioning)	2.40	14.86	23.99	0.08	1.64	0.66
Winter						
2026 (Construction)	3.77	39.94	39.81	0.14	9.43	4.06
2027 (Construction)	3.58	38.24	38.75	0.14	9.34	3.98
2052 (Decommissioning)	2.39	14.94	23.35	0.08	1.64	0.66
Maximum Daily Emissions	**3.77**	**39.94**	**42.29**	**0.14**	**9.43**	**4.40**
BCAQMD Threshold	*137*	*137*	*N/A*	*N/A*	*80*	*80*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Appendix B.
Notes: ROG = reactive organic gases; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; BCAQMD = Butte County Air Quality Management District.
Emissions estimates for the Project include implementation of PDF-AQ-1 (Tier 4 generator) and PDF-AQ-2 (fugitive dust control).
All dates assumed are approximate.

Annual emissions from Project construction were also estimated and are summarized in Table 2.3-2 below.

Table 2.3-2. Estimated Annual Construction Criteria Air Pollutant Emissions

Year	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
2026 (Construction)	0.15	1.47	1.61	0.01	0.31	0.13
2027 (Construction)	0.13	1.11	1.57	<0.01	0.27	0.09
2052 (Decommissioning)	0.17	1.04	1.64	0.01	0.11	0.05
Maximum Annual Emissions	**0.17**	**1.47**	**1.64**	**0.01**	**0.31**	**0.13**
BCAQMD Threshold	*4.5*	*4.5*	*N/A*	*N/A*	*N/A*	*N/A*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Appendix B.
Notes: ROG = reactive organic gases; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; BCAQMD = Butte County Air Quality Management District.
Emissions estimates for the Project include implementation of PDF-AQ-1 (Tier 4 generator) and PDF-AQ-2 (fugitive dust control).
All dates assumed are approximate.

As depicted in Table 2.3-1 and Table 2.3-2 above, short-term construction criteria pollutant emissions generated by the Project would not exceed the respective daily and annual BCAQMD thresholds and would result in a less-than-significant impact.

Operational Emissions

Operation of the Project would generate infrequent criteria pollutant emissions from mobile sources (vehicular traffic), area sources (consumer products, landscaping equipment), off-road equipment (for container movement), and stationary sources (emergency generator). No natural gas would be used by the Project. Table 2.3-3 summarizes the unmitigated maximum daily operational emissions associated with the Project. Detailed operational model outputs are presented in Appendix B.

Table 2.3-3. Estimated Maximum Daily Operation Criteria Air Pollutant Emissions

Emissions Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Summer						
Mobile	0.36	0.50	4.44	0.01	0.97	0.25
Area	0.02	<0.01	0.03	<0.01	<0.01	<0.01
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.43	3.90	4.09	0.01	0.16	0.15
Stationary	0.61	2.19	11.38	0.02	0.10	0.10
Total Daily Summer Emissions	**1.43**	**6.60**	**19.94**	**0.04**	**1.23**	**0.50**
Winter						
Mobile	0.32	0.59	3.43	0.01	0.97	0.25
Area	0.02	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.43	3.90	4.09	0.01	0.16	0.15
Stationary	0.61	2.19	11.38	0.02	0.10	0.10
Total Daily Winter Emissions	**1.38**	**6.68**	**18.90**	**0.04**	**1.23**	**0.50**
Maximum Daily Emissions	**1.43**	**6.68**	**19.94**	**0.04**	**1.23**	**0.50**
BCAQMD Threshold	25	25	N/A	N/A	80	80
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Appendix B.
Notes: ROG = reactive organic gases; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; BCAQMD = Butte County Air Quality Management District.
Emissions estimates for the Project include implementation of PDF-AQ-1 (Tier 4 generator).

As depicted in Table 2.3-3 above, long-term operational criteria pollutant emissions generated by the Project would be minimal and would not exceed the respective BCAQMD thresholds and would result in a less-than-significant impact.

Based on the preceding considerations, the Project would not result in a cumulatively considerable net increase of any criteria pollutant during construction or operation.

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. The Project consists of a BESS facility that may have the potential to affect nearby sensitive receptors. Sensitive receptors within 1,000 feet of the Project would be scattered single-family residences, the nearest of which would be adjacent (approximately 135 feet) to the west of the Project boundary.

Health Effects of Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (immediate) and/or chronic (cumulative) non-cancer health effects. A toxic substance released into the air is considered a TAC. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects.

TACs that would potentially be emitted during construction activities would be DPM emitted from heavy-duty construction equipment and heavy-duty trucks. Heavy-duty construction equipment and diesel trucks are subject to CARB Airborne Toxic Control Measures to reduce DPM emissions. In addition, the Project would include a diesel generator during the commissioning phase of construction and to supply power to the Project during operations in case of an emergency. A health risk assessment (HRA) was performed for the Project to evaluate the risk from diesel exhaust emissions from construction and operations on existing proximate off-site sensitive receptors.

The HRA applies the methodologies prescribed in the Office of Environmental Health Hazard Assessment document, Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015). Cancer risk parameters, such as age-sensitivity factors, daily breathing rates, exposure period, fraction of time at home, and cancer potency factors were based on the values and data recommended by the Office of Environmental Health Hazard Assessment are implemented in CARB's Hotspots Analysis and Reporting Program Version 2 (HARP2), which was used to estimate risk from Project construction and operational activities. Additional details incorporated into the HRA are provided in Appendix B.

Table 2.3-4 summarizes the results of the HRA for the Project at the maximally exposed individual resident, which would be adjacent to the Project site. In addition, as no other sources of TACs were identified within 1,000 feet of the Project site, Table 2.3-4 also represents the cumulative risk values for the Project.

Table 2.3-4. Health Risk Assessment Results

Impact Parameter	Units	Project Impact	BCAQMD CEQA Threshold	Level of Significance
MEIR				
Cancer Risk	Per million	4.28	10.0	Less than significant
HIC	Not applicable	0.007	1.0	Less than significant
$PM_{2.5}$	$\mu g/m^3$	0.025	0.3	Less than significant

Source: Appendix B.
Notes: CEQA = California Environmental Quality Act; MEIR = maximum exposed individual resident; HIC = Chronic Hazard Index; $PM_{2.5}$ = fine particulate matter; $\mu g/m^3$ = micrograms per cubic meter; BCAQMD = Butte County Air Quality Management District.
Risk estimates and emissions of $PM_{2.5}$ include implementation of PDF-AQ-1 (Tier 4 generator) and PDF-AQ-2 (fugitive dust control).

As shown in Table 2.3-4, the results of the HRA for the Project demonstrate that the combined construction and operational emissions would result in a potential incremental increase in cancer risk, Chronic Hazard Index, and $PM_{2.5}$ concentrations that would each be below the applicable BCAQMD thresholds at the MEIR. Potential health risk impacts associated with Project would be less than significant on both an individual Project-level and cumulative basis.

Valley Fever Exposure

As described in Section 2.3.1.2, coccidioidomycosis, more commonly known as "Valley Fever," is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. Colusa County is not considered a highly endemic region for Valley Fever (CDPH 2023). Even if present at the site, construction activities may not result in increased incidence of Valley Fever. Propagation of Valley Fever is dependent on climatic conditions, with the potential for growth and surface exposure highest following early seasonal rains and long dry spells. Valley Fever spores can be released when filaments are disturbed by earth-moving activities, although receptors must be exposed to and inhale the spores to be at increased risk of developing Valley Fever. Moreover, exposure to Valley Fever does not guarantee that an individual will become ill—approximately 60% of people exposed to the fungal spores are asymptomatic and show no signs of an infection (USGS 2000).

In order to reduce fugitive dust from the Project and minimize adverse air quality impacts, the Project would be required to address dust in accordance PDF-AQ-2, which would limit the amount of fugitive dust generated during construction. These requirements are consistent with California Department of Public Health recommendations for the implementation of dust control measures, including regular application of water during soil-disturbance activities, to reduce exposure to Valley Fever by minimizing the potential that the fungal spores become airborne (CDPH 2013). Further, regulations designed to minimize exposure to Valley Fever hazards are included in Title 8 of the California Code of Regulations and would be complied with during the Project's construction phase (California Department of Industrial Relations 2022).

In summary, the Project would not result in a significant impact attributable to Valley Fever exposure based on its geographic location and compliance with applicable regulatory standards and dust mitigation measures, which would serve to minimize the release of and exposure to fungal spores. Therefore, impacts associated with Valley Fever exposure for sensitive receptors would be less than significant.

Naturally Occurring Asbestos

Based on A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos (California Department of Conservation 2000), the Project area is not identified as containing naturally occurring asbestos. As such, the potential for exposure to asbestos would be a less than significant impact.

Health Effects of Criteria Air Pollutants

As described in Section 2.3.1, Colusa County is currently designated nonattainment of the CAAQS for PM_{10} and attainment or unclassified for all other NAAQS and CAAQS (CARB 2023, EPA 2024a). As indicated in Tables 2.3-1 through 2.3-3, Project-generated construction and operational emissions would not exceed the emission-based significance thresholds for ROG, NO_x, PM_{10}, or $PM_{2.5}$.

The health effects associated with O_3 include respiratory symptoms, worsening of lung disease leading to premature death, and damage to lung tissue (CARB 2024b). The contribution of ROG and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SVAB due to O_3 precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the ROG emissions would occur because exceedances of the O_3 CAAQS/NAAQS tend to occur between April and October when solar radiation is highest. The holistic effect of a single project's emissions of O_3 precursors is speculative due to the lack of quantitative methods to reliably and meaningfully assess this impact. Thus, a project's ROG and NO_x emissions are evaluated in the context of the air district significance thresholds, which define the levels of emissions that can occur without causing or contributing to violations of the NAAQS or CAAQS. In turn, the NAAQS and CAAQS define the pollutant concentrations above which adverse health effects are expected to occur. Nonetheless, the ROG and NO_x emissions associated with Project construction and operations could minimally contribute to regional O_3 concentrations and the associated health impacts. However, given their minimal nature, health impacts would be less than significant.

Health effects associated with NO_x and NO_2 (which is a constituent of NO_x) include lung irritation and enhanced allergic responses (CARB 2024c). Construction and operation of the Project would not contribute to exceedances of the NAAQS or CAAQS for NO_2 because NO_x emissions would be less than the applicable BCAQMD threshold. Construction would be relatively short term, and the off-road construction equipment would be operating on various portions of the site and would not be concentrated in one portion of the site at any one time. Construction and operation of the Project would not require any stationary emission sources that would create substantial, localized NO_2 impacts.

Health effects associated with CO include chest pain in patients with heart disease, headache, light-headedness, and reduced mental alertness (CARB 2024d). CO tends to be a localized impact associated with congested intersections. Mobile source impacts occur on two scales of motion. Regionally, project-related travel would add to regional trip generation and increase the VMT within the local airshed and the SVAB. Locally, Project generated traffic would be added to the proximate roadway system near the Project site. If such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold started and operating at pollution-inefficient speeds, and is operating on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SVAB is steadily decreasing.

As described in Section 2.3.2, to verify that the Project would not cause or contribute to a violation of the CO standard, a screening evaluation was conducted based on the Bay Area Air Quality Management District criteria. The Project is not in an area where vertical and/or horizontal mixing is limited and would not conflict with any congestion management plans. Routine/scheduled operations would require one or two workers in a light utility truck to visit the facility weekly. In addition, one major maintenance inspection would take place annually, requiring approximately 10 personnel for approximately 1 week. In addition, it was assumed that every 3 years to 4 years the site would be visited by a 20-person work crew in order to add or connect additional batteries to the facility. If these activities all were to occur at the same time, the Project could result in about 68 trips on the same day, which would result in a negligible contribution to the

roadway network and substantially less than the 44,000 vehicles per hour screening criterion applied (BAAQMD 2023). Therefore, impacts associated with CO hotspots would be less than significant.

Health effects associated with particulate matter include premature death and hospitalization, primarily for worsening of respiratory disease (CARB 2024e). Construction and operation of the Project would not exceed thresholds for PM_{10} or $PM_{2.5}$ and would not contribute to exceedances of the NAAQS or CAAQS for particulate matter. Additionally, the Project would implement the PDF-AQ-1 and PDF-AQ-2, which would reduce potential particulate matter emissions from the diesel generator and from earthwork. Due to the minimal contribution of particulate matter during construction and operation, the Project would not result in health effects associated with PM_{10} or $PM_{2.5}$.

There are numerous scientific and technological complexities associated with correlating criteria air pollutant emissions from an individual project to specific health effects or potential additional nonattainment days, and there are currently no modeling tools that can provide reliable and meaningful additional information regarding health effects from criteria air pollutants generated by individual projects within CCAPCD's jurisdiction. Currently, CCAPCD, CARB, and the U.S. Environmental Protection Agency have not approved a quantitative method to reliably, meaningfully, and consistently translate the mass emission estimates for the criteria air pollutants resulting from a project to specific health effects. However, based on the Project's minimal overall construction and operational criteria air pollutant emissions described above, health impacts from Project-related criteria air pollutant emissions would be less than significant.

d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less Than Significant Impact. Based on available information, the Project is not anticipated to result in other emissions that have not been addressed under significance criteria a) through c), above. As such, this analysis focuses on the potential for the Project to generate odors. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the Project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment. In addition, infrequent testing and maintenance of the emergency generator may result in potential odors from diesel exhaust. However, such odors would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Land uses or activities most commonly associated with odor complaints generally include wastewater treatment plants and wastewater pumping facilities, sanitary landfills, transfer stations, composting facilities, petroleum refineries, asphalt batch plants, chemical manufacturing, fiberglass manufacturing, painting/coating operations, rendering facilities, coffee roasters, food processing facilities, feed lots/dairies, green waste and recycling facilities, and metal smelting plants (BCAQMD 2024). The Project does not include uses that would be substantive sources of objectionable odors. Overall, impacts associated with odors from Project construction and operations would be less than significant.

2.4 Biological Resources

2.4.1 Environmental Setting

A Biological Resources Assessment Report (Dudek 2024) was prepared for the Project and is included as Appendix C. Prior to conducting field surveys, Dudek conducted a literature and records search for information on special-status species occurrences within the study area. The literature and records search included resources from the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database, the California Native Plant Society Inventory of Rare and Endangered Plants, and the U.S. Fish and Wildlife Service Information for Planning and Consultation occurrence data. Potential and/or historical drainages and aquatic features were investigated based on a review of U.S. Geological Survey (USGS) topographic maps (1:24,000 scale), the USGS National Hydrography Dataset, aerial photographs, and the National Wetlands Inventory database.

The study area is located within the northern Central Valley, approximately 4 miles southwest of Williams, California, which has a temperate climate with hot, dry summers. The study area is flat with only a minor change in elevation throughout. According to the U.S. Department of Agriculture Natural Resources Conservation Service Web Soil Survey, the soil types that occur within the study area are Myers Clay, 0% to 2% slopes and Mallard Clay Loam, 0% to 1% slopes.

The study area is within the Freshwater Creek watershed and Salt Creek sub-watershed and is in the Sacramento Valley, which begins at Lake Shasta in the north and extends south to the Sacramento/San Joaquin Delta. The Sacramento Valley is approximately 3.5 million acres and is most characterized by the agricultural working landscape that lies between the foothills of the Sierra Nevada on the east and the Coast Ranges on the west.

The study area does not occur within a FEMA flood hazard zone. Additionally, the National Hydrography Dataset and the National Wetlands Inventory do not show any aquatic features within or adjacent to the study area.

2.4.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES – Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒	☐
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☒	☐	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less than Significant Impact with Mitigation Incorporated. According to the Biological Resources Assessment Report (Appendix C) prepared for the Project, the Project has the potential to impact special-status wildlife species including nesting/foraging birds, roosting bats, Swainson's hawk (*Buteo swainsoni*), burrowing owl (*Athene cunicularia*), and American badger (*Taxidea taxus*). As described below, with implementation of **MM-BIO-1** through **MM-BIO-6**, impacts would be less than significant.

Nesting/Foraging Birds: the majority of the Project site is comprised of orchards, which could support nesting by migratory birds. Removal of vegetation considered suitable for nests has the potential to impact these species. The Project would be required to comply with the Migratory Bird Treaty Act (MBTA) and Sections 3503, 3503.5, and 3513 of the California Fish and Game Code by preventing the disturbance of nesting birds during construction activities. This would generally require conducting vegetation removal and initial ground-disturbing activities outside the nesting season (nesting season is generally February through August) to the extent feasible, and conducting a pre-construction nesting bird survey to determine the

presence of nesting birds or active nests if these activities must occur during the nesting season. If any active nests are detected, a buffer would be delineated, flagged, and avoided until the nesting cycle is complete, as determined by a qualified biologist. Compliance with the MBTA would ensure that the implementation of the Project would not interfere with the nesting of any native bird species. With the implementation of **MM-BIO-2**, impacts to nesting and foraging birds would be considered less than significant.

Roosting Bats: Western red bat (*Lasiurus frantzii*) is a California Species of Special Concern that has a moderate potential to roost within the Project site. This species prefers to roost in forests, woodland, riparian, mesquite bosque, and orchards, including walnut and almond. Construction and operational activities could impact this species if they occur on site through habitat removal or disturbance of the species. To avoid impacts to this species, a pre-construction clearance survey for bats should be conducted at least 1 month prior to the start of construction to determine if any bats are currently roosting within the Project site. Additionally, an emergence survey and acoustic monitoring would be conducted at dusk following the roost assessment to determine if any bats are emerging from suitable roost locations or echolocating within the Project site. With the implementation of **MM-BIO-3**, impacts to roosting bats would be considered less than significant.

Swainson's Hawk: Swainson's hawk is a state threatened species that has a moderate potential to nest and forage within the Project site. Preferred nesting habitat for this species includes large, isolated trees in open woodland and savanna riparian habitats, as well as scattered stands of trees near agricultural fields or grasslands. However, this species has been known to use orchards for nesting as well. For foraging, this species favors grasslands and agricultural fields, such as wheat and alfalfa fields or pastures. It is recommended that protocol-level surveys are conducted following the methodology recommended by the Swainson's Hawk Technical Advisory Committee for Swainson's hawks in the Central Valley (SHTAC 2000). The protocol is intended to determine the presence of nesting hawks within 0.5 miles of a study area and ensure that project development does not result in "take" of Swainson's hawks through disruption of nesting or foraging activities. With the implementation of **MM-BIO-4**, impacts to Swainson's hawks would be considered less than significant.

Burrowing Owl: Burrowing owl is a Bird of Conservation Concern and a Candidate for listing under the California Endangered Species Act that has a moderate potential to nest and forage within the Project site. This species prefers open, treeless areas with low, sparse vegetation. They are frequently found in grasslands, pastures, agricultural fields, road embankments, and along canals where California ground squirrel (*Otospermophilus beecheyi*) burrows and erosion creates suitable owl burrow sites. Burrowing owls prefer burrows dug by small mammals, such as ground squirrel, for nesting, but will dig their own if necessary. They are diurnal, hunting at all hours close to the ground and feeding on invertebrates and small vertebrates. The Project site consists of areas of suitable habitat for burrowing owl. It is recommended that protocol-level burrowing owl surveys be conducted in accordance with Appendices C and D of the California Department of Fish and Wildlife Staff Report on Burrowing Owl Mitigation (Staff Report; CDFG 2012). The Applicant would coordinate with CDFW regarding potential impacts to burrowing owl. The Applicant would seek incidental take authorization from CDFW if incidental "take" of burrowing owl as defined by California Fish & Game Code Section 86 is determined to be unavoidable and the species is a candidate, threatened, or endangered species under the California Endangered Species Act at such time. With implementation of **MM-BIO-2** (nesting bird survey) and **MM-BIO-5** (burrowing owl survey), impacts to burrowing owl would be considered less than significant.

American Badger: American badger is a California Species of Special Concern that has a low potential to occur within the Project site. This species prefers dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils. Disturbed areas within the Project site and along the intertie line route could provide suitable habitat for this species. While no specific agency-approved protocol surveys are required for this species, a special-status wildlife survey is recommended prior to commencement of construction activities to determine whether American badgers are present. Additionally, speed limits of 15 miles per hour are recommended as well as minimization of excess light and noise, especially if work occurs during the evening hours. With implementation of **MM-BIO-6**, impacts to American badger would be considered less than significant.

b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

No Impact. According to the Project's Biological Resources Assessment Report (Appendix C), Project site does not contain any riparian habitat or sensitive vegetation communities; therefore, direct impacts to riparian habitat or other sensitive natural communities are not anticipated to occur, and no additional measures are recommended. No direct impacts would occur.

c) Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Less Than Significant Impact With Mitigation Incorporated. According to the Project's Aquatic Resources Delineation Report (Appendix D), no aquatic resources potentially subject to the U.S. Army Corps of Engineers jurisdiction were identified in the study area. However, one non-wetland waters feature potentially subject to the Regional Water Quality Control Board and CDFW jurisdiction along Walnut Drive would be impacted by installation of a culvert to maintain flow under the Project driveway. Findings with regards to federal and state jurisdiction are preliminary until verified by the appropriate agencies (i.e., the U.S. Army Corps of Engineers, the Regional Water Quality Control Board, CDFW). Permits would be obtained where required, and impacts would be less than significant.

d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less Than Significant Impact with Mitigation Incorporated. The Project site does not function as a wildlife corridor or habitat linkage and does not occur within any designated wildlife corridors or habitat linkages. Impacts to wildlife corridors and habitat connectivity are not anticipated and would therefore be considered less than significant.

The Project would be required to comply with the MBTA, which makes it unlawful at any time, by any means, or in any manner to pursue, hunt, take, capture, or kill migratory birds. Under California Fish and Game Code Sections 3503, 3503.5, 3513, and 3800, a project operator is not allowed to conduct activities that would result in the taking, possessing, or destroying of any birds of prey; the taking or possessing of any migratory nongame bird as designated in the MBTA; the taking, possessing, or needlessly destroying of the nest or eggs of any raptors or nongame birds protected by the MBTA; or the taking of any nongame bird.

The Project would comply with the MBTA and the California Fish and Game Code for the protection of avian nests and their young by implementing **MM-BIO-2**, and impacts would be considered less than significant.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact. The Project would not conflict with any local biological resource policies or ordinances. No impacts would occur.

f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. There are no adopted Habitat Conservation Plans, Natural Community Conservation Plans, or other approved habitat conservation plans that cover the Project area. No impacts would occur.

Mitigation Measures

MM-BIO-1: A Worker Environmental Awareness Program (WEAP) for all personnel employed or otherwise working on the Project shall be administered before any Project construction activities commence. The WEAP shall consist of a presentation prepared by a qualified biologist that includes a discussion of the biology and status of the Swainson's hawk, burrowing owl, American badger, nesting birds, roosting bats, and all Project mitigation measures. Upon completion of the WEAP, Project personnel shall sign a form to document attendance of the program and understanding of mitigation measures.

MM-BIO-2: Vegetation removal and initial ground-disturbing activities, to the extent feasible, should be conducted outside the nesting season, which generally occurs February through August, to avoid potential impacts to nesting birds. If vegetation removal and initial ground-disturbing activities occur during the nesting season, all suitable habitats shall be thoroughly surveyed by a qualified biologist for the presence of nesting birds before commencement of clearing. If any nests are detected, a suitable buffer shall be delineated, flagged, and avoided until the nesting cycle is complete, as determined by a qualified biologist. Avoidance buffers will be based on species of nesting bird and disturbance type, as determined by a qualified biologist, and will be no less than 50 feet for passerines and 500 feet for raptors.

MM-BIO-3: A pre-construction clearance survey for bats shall be conducted within 1 month prior to the start of construction to determine if any bats are currently roosting within the Project site. The pre-construction survey shall consist of a daytime roost assessment by a qualified biologist to determine if any bats or sign of active roosting is present. An emergence survey at dusk shall be conducted after the roost assessment is completed to observe if any bats are emerging from suitable roost locations within the Project site. Additionally, acoustic monitoring shall occur concurrently with the emergence survey to determine if any bats are echolocating within the Project site, identify the echolocating species, and determine the relative level of bat activity on the site. Bat echolocation calls shall be analyzed off-site using Sonobat software (or equivalent) and manual vetting to identify calls to the species level. If no bats are observed during the pre-construction survey, the project may

commence without potential impacts to bats. If bats are present in any structure or tree slated for removal, a bat exclusion plan will be developed by a qualified biologist in consultation with CDFW. At a minimum, the exclusion plan will include methods and recommendations for installation of alternative roost habitat upon completion of the project (e.g. constructed bat houses).

MM-BIO-4: To determine whether Swainson's hawks are nesting in the vicinity of the Project, surveys should be conducted as outlined in the Swainson's Hawk Technical Advisory Committee's Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (SHTAC 2000). Surveys should be conducted for at least 4 hours in the morning and 4 hours in the evening on each survey day. If active Swainson's hawk nests are identified, an avoidance buffer of 0.5 miles shall be established around active nests consistent with the Staff Report Regarding Mitigation for Impacts to Swainson's Hawks in the Central Valley of California (CDFG 1994). No construction within avoidance buffers shall be allowed until a qualified biologist has determined that the nest is no longer active (e.g., the nestlings have fledged and are no longer reliant on the nest). If it is not feasible to maintain a 0.5-mile buffer for an active Swainson's hawk nest to reasonably accommodate construction, maintenance, or decommissioning activities, the established buffer distance may be reduced through coordination with CDFW. Project activities within the reduced buffer shall be monitored at the discretion of a qualified biologist and based on coordination with CDFW.

MM-BIO-5: No more than 14 days prior to initiation of ground-disturbing activities, a qualified biologist shall conduct a burrowing owl take avoidance survey of the Project site and surrounding areas to a distance of 150 meters, in accordance with the methods outlined in the Staff Report on Burrowing Owl Mitigation (CDFG 2012). The pre-construction survey shall cover all areas within 150 meters of the Project site. If construction activities cease for a period of 14 days, the site shall be re-surveyed for burrowing owls prior to the resumption of construction activities.

If no burrowing owl, their burrows, or their sign are documented within the Project area, no further measures are necessary.

If burrowing owls or active burrows are identified within the Project site during the surveys, appropriate exclusion zones will be established based on time of year and status of the burrow (breeding or wintering), per the Staff Report on Burrowing Owl Mitigation (CDFG 2012).

If complete avoidance is not feasible, consultation on an Incidental Take Permit will be undertaken with CDFW, including a plan for passive relocation, if appropriate, and any mitigation necessary to offset impacts purchased through an approved mitigation bank or other CDFW-approved mitigation property.

MM-BIO-6: To avoid and minimize impacts to American badger, the following measures shall be applied:

- Prior to the commencement of construction activities, a special-status wildlife survey shall be conducted, focusing on the habitat where special-status wildlife species are likely to occur within the Project site. These surveys shall be conducted in the appropriate season to ensure accurate presence/absence results.
- Already disturbed lands shall be used for Project activities and staging areas whenever feasible.
- Speed limits within the Project site shall not exceed 15 miles per hour.
- Excess light and noise shall be minimized, especially if work occurs during the evening when wildlife tends to be more active.
- If the species is detected within the Project site during pre-activity surveys, a mitigation and relocation plan will be created and implemented in consultation with CDFW. The relocation plan will, at a minimum, provide methods for passive relocation including burrow monitoring, exclusion and collapsing. American badgers have large home ranges and are expected to passively relocate to alternative dens.

2.5 Cultural Resources

2.5.1 Environmental Setting

An Archaeological Resources Inventory Letter Report was prepared for the Project (Appendix E), which included a Northwest Information Center records search, Native American Heritage Commission (NAHC) Sacred Lands File search, and an intensive pedestrian survey for cultural resources. The findings of the report are summarized below.

A search of the California Historical Resources Information System was completed for the proposed Project site and 0.5-mile radius on behalf of Dudek by staff at the Northwest Information Center on May 29, 2024. This search included a review of their collection of mapped prehistoric, historical, and built-environment resources, Department of Parks and Recreation Site records, technical reports, historical maps, and local inventories. Additional consulted sources included the National Register of Historic Places (NRHP), California Inventory of Historical Resources/California Register of Historic Resources (CRHR) and listed Office of Historic Preservation Archaeological Determinations of Eligibility, California Points of Historical Interest, and California Historical Landmarks.

Dudek consulted historic maps and aerial photographs to understand development of the proposed Project site and surrounding properties. Topographic maps were available from 1907–2021, and aerial photographs were available from 1958–2020. Aerial photographs and topographic maps show no evident changes or development within the Project site itself.

On June 25, 2024, Dudek requested a NAHC search of their Sacred Lands File for the area of the Project site. The NACH search results, received on July 2, 2024, were negative. In addition to the negative Sacred Lands File results, the NAHC provided a list of contacts from Native American people that may have knowledge of cultural resources in the area.

The proposed Project is subject to compliance with AB 52, which requires consideration of impacts to "tribal cultural resources" as part of the CEQA process and requires the CEQA lead agency to notify any groups (who have requested notification) of the Project who are traditionally and culturally affiliated with the geographic area of the Project. Because AB 52 is a government-to-government process, all records and correspondence related to AB 52 notification and any subsequent consultation are on file with the lead agency.

On June 21, 2024, Dudek conducted an intensive pedestrian survey of the Project site using standard archaeological procedures and techniques that meet the Secretary of the Interior's Standards and Guidelines for cultural resources inventory. Exposed ground surfaces were inspected for surface artifacts, undisturbed areas, archaeological deposits, and historic era (older than 45 years in age) features or structures. Periodic boot scrapes were employed to expose additional ground surface. Evidence of artifacts and archaeological deposits were also opportunistically sought after in animal burrows, natural subsurface exposures, and other areas with disturbed soil.

The landscape of the Project site is dominated by an orchard. The soil in this area is heavily disturbed and impacted medium brown loam with poorly sorted granitic pebbles. Surface visibility was good throughout the Project site. There were no examples of exposed subsurface stratigraphy present within the Project boundaries or nearby. No historic era features or structures, or archaeological resources, were observed within the Project site during the field survey. The closest structure was an occupied house to the northwest of the site, just outside the Project boundary. The Project is bordered by Walnut Drive to the north, and on the southern side of the road there is an old culvert running east to west along the length of the Project.

A Built Environment Inventory and Evaluation Report was prepared for the Project (Appendix F). Four historic-period resources were identified in the Project Area of Potential Impact that required survey and evaluation. These resources were evaluated under Section 15064.5(a)(2)-(3) of the CEQA Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code (PRC). The resources were also evaluated in accordance with Section 106 of the National Historic Preservation Act of 1966 (as amended) (54 U.S.C. 306108) and its implementing regulations in the Title 36 Code of Federal Regulations Part 800 (36 CFR Part 800). In addition to these four resources, one resource in the Area of Potential Impact was identified that was previously found eligible for CRHR and NRHP and is a historical resource under CEQA. This resource is the PG&E Pit to Vaca-Dixon No. 1 Transmission Line constructed in 1920-1923. The State Historic Preservation Officer concurred with the determination of eligibility in 2017. Fieldwork for the current Project found this historical resource to be unchanged in the Area of Potential Impact since 2017.

The Built Environment Inventory and Evaluation Report concluded that none of the other four newly evaluated resources meet the eligibility criteria for listing in the CRHR of NRHP, and none of these are historical under CEQA.

2.5.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☒	☐	☐

a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

Less Than Significant Impact. According to the Built Environment Inventory and Evaluation Report (Appendix F) prepared for the Project, there is one resource in the Area of Potential Impact identified that was previously found eligible for the CRHR and NRHP and is a historical resource under CEQA. This resource is the PG&E Pit to Vaca-Dixon No. 1 Transmission Line constructed in 1920–1923. However, the Project would not constitute a substantial adverse change to the Pit to Vaca-Dixon No. 1 Transmission Line. The project does not call for a direct electrical tie-in with the Pit to Vaca-Dixon No. 1 Transmission line or any physical alterations to the line. The only electrical connection of the Project to adjacent facilities is a proposed underground line connecting with the Cortina Substation, which is not a historical resource under CEQA. The only potential impact would be from an "alteration of the immediate surroundings" or setting. At its nearest point, the Pit to Vaca-Dixon No. 1 Transmission Line alignment would be approximately 950 feet from the footprint of the proposed Project facility. The new facility would be surrounded by agricultural land. While the new facility would be an alteration to the immediate surroundings, it would not constitute a substantial adverse change. First, an observer standing at ground level on the transmission line alignment would have little to no visibility of the proposed Project facility owing to the distance between the two and the orchards, which would partially or entirely obscure the view. The tallest element of the new facility would be approximately 30 feet tall. Second, the new Project facility would be an electrical facility resembling a substation. The Pit to Vaca-Dixon No. 1 Transmission Line currently passes by multiple substations along its route, thus, the new Project facility would not constitute an alteration to the surroundings dissimilar to existing facilities in the transmission line's setting.

Finally, a 2017 study concluded that construction of the PG&E Shasta–Vaca Transmission Line in 1945-1947 on a parallel alignment of new towers immediately adjacent to the Pit to Vaca-Dixon No. 1 Transmission Line was an inconsequential diminishment of integrity of setting that "does not prevent the observer from understanding the line." It follows that if construction of a new line of transmission towers in 1945–1947 immediately adjacent to the Pit to Vaca-Dixon No. 1 Transmission Line does not impair the line from conveying its significance, nor would the proposed Project, which is generally much smaller in scale, farther away, and not as tall. Overall, impacts would be less than significant.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Less than Significant Impact with Mitigation Incorporated. According to the Archaeological Resources Inventory Letter Report (Appendix E) prepared for the Project, no archaeological resources were identified within the Project site as a result of inventory efforts. Although no archaeological resources were found within the Project site, there is a possibility that ground-disturbing activities related to Project construction could uncover previously unknown, buried, historical materials within the strata below the plow zone or within previously undisturbed areas along the Project site perimeter resulting in a potentially significant impact. The implementation of **MM-CUL-1,** which outlines procedures to be followed in the event of an inadvertent discovery of archaeological resources, would reduce potential significant impacts to less than significant.

c) Would the project disturb any human remains, including those interred outside of formal cemeteries?

Less Than Significant Impact with Mitigation Incorporated. No previously recorded sites with human remains were identified within the Project site, and the records search and field survey indicate no evidence of human remains on or near the Project site. Project-related ground disturbance, however, has the potential to unearth previously undiscovered remains, resulting in a potentially significant impact. However, implementation of **MM-CUL-2**, which describes procedures to be followed in the event that human remains are discovered, would ensure that impacts are reduced to a less than significant impact.

Mitigation Measures

MM-CUL-1: In the event that archaeological resources (sites, features, or artifacts) are exposed during Project construction activities, all construction activities within 100 feet of the discovery shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Recommendations will be dependent upon the potential for the find to be considered significant under CEQA (14 CCR 15064.5(f); PRC Section 21082). If the discovery proves potentially significant under CEQA, coordination shall occur with Colusa County and consulting tribes as identified during AB 52 consultation. Additional work such as preparation of an archaeological treatment plan, testing, or data recovery may be warranted and should be developed based on the conditions and nature of the find, as determined by the qualified archaeologist.

MM-CUL-2: In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the County Coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the County Coroner has determined, within 2 working days of notification of the discovery, if the remains are of human origin. If the County Coroner determines that the remains are, or are believed to be, Native American, the County Coroner shall notify the NAHC in Sacramento within 24 hours. In accordance with California Public Resources Code, Section 5097.98, the NAHC must immediately notify those persons it believes to be the most likely descendant (MLD) of the deceased Native American. The MLD shall provide recommendations on next steps within 48 hours of being granted access to the site. The MLD would then determine, in consultation with

the property owner, the disposition of the human remains and/or related burial goods. If the MLD and the other parties do not agree on the next steps, then, in accordance with California Public Resources Code, Section 5097.98(e), the landowner (or authorized representative) shall reinter the human remains and items associated with Native American human remains with appropriate dignity on the property in a location not subject to further and future subsurface disturbance.

2.6 Energy

2.6.1 Environmental Setting

Dudek prepared an Air Quality, Greenhouse Gas, and Energy Technical Memorandum for the Project, which is attached as Appendix B and summarized herein.

2.6.1.1 Electricity

The production of electricity requires the consumption or conversion of energy resources, including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources, into electrical energy. The delivery of electricity involves a number of system components, including power generation facilities, transmission and distribution lines, substations and transformers that lower transmission line power (voltage) to a level appropriate for on-site distribution and use. The electricity generated is distributed through a network of transmission and distribution lines commonly called a power grid. Production of electricity and its conveyance through the power grid occur in response to market demand.

Energy capacity, or electrical power, is generally measured in watts while energy use is measured in watt-hours (Wh). For example, if a light bulb has a capacity rating of 100 watts, the energy required to keep the bulb on for 1 hour would be 100 Wh. If 10 100-watt bulbs were on for 1 hour, the energy required would be 1,000 Wh or 1 kilowatt-hour. On a utility scale, a generator's capacity is typically rated in MW, which is 1 million watts, while energy usage is measured in megawatt-hours (1 million Wh) or gigawatt-hours (1 billion Wh).

PG&E provides electricity to the Project site. PG&E provides electric services to 5.5 million customers via 106,681 circuit miles of electric distribution lines and 18,466 circuit miles of interconnected transmission lines over a 70,000-square-mile service area that includes Northern California and Central California (PG&E 2025). In Colusa County, PG&E reported an annual electrical consumption of approximately 314 million kilowatt-hours in 2022 (CEC 2025).

2.6.1.2 Natural Gas

Natural gas is a combustible mixture of simple hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas consumed in California is obtained from naturally occurring reservoirs, mainly located outside the State, and delivered through high-pressure transmission pipelines. The natural gas transportation system is a nationwide network, and therefore, resource availability is typically not an issue. Natural gas would not be used during Project construction or operations and is not discussed further in the analysis.

2.6.1.3 Petroleum

According to the Energy Information Administration, California used approximately 628 million barrels of petroleum in 2022, with the majority (534 million barrels) used for the transportation sector (EIA 2024). There are 42 U.S. gallons in a barrel, so this equates to a total daily use of approximately 14.9 million gallons of petroleum among all sectors and 12.7 million gallons for the transportation sector. Petroleum usage in California includes petroleum products such as motor gasoline, distillate fuel, liquefied petroleum gases, and jet fuel. At the federal and state levels, various policies, rules, and regulations have been enacted to improve vehicle fuel efficiency, promote the development and use of alternative fuels, reduce transportation-source air pollutants and GHG emissions, and reduce VMT. Market forces have driven the price of petroleum products steadily upward over time, and technological advances have made use of other energy resources or alternative transportation modes increasingly feasible.

Largely as a result of and in response to these multiple factors, gasoline consumption within the state has declined in recent years, and availability of other alternative fuels/energy sources has increased. The quantity, availability, and reliability of transportation energy resources have increased in recent years, and this trend will likely continue and accelerate. Increasingly available and diversified transportation energy resources act to promote continuing reliable and affordable means to support vehicular transportation within the state. According to CARB's Emission Factor Web Database, Colusa County on-road transportation sources are projected to consume about 40 million gallons of petroleum in 2026 (CARB 2025).

2.6.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. Energy – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

a) ***Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?***

Less Than Significant Impact.

Construction

Electricity

Temporary electric power for as-necessary lighting and electronic equipment (such as computers inside temporary construction trailers and HVAC) would be provided by PG&E. In addition, water needed for construction dust suppression would be provided by existing on-site water wells or delivered by truck. For this analysis, truck delivery for water was assumed and accounted for in the petroleum demand presented below. Overall, electricity demand would be temporary, nominal, and would cease upon the completion of construction. Therefore, the use of electricity during Project construction would not be wasteful, inefficient, or unnecessary.

Petroleum

Offroad equipment used during construction and decommissioning of the Project would primarily rely on diesel fuel, as would vendor and haul trucks. In addition, construction workers would travel to and from the Project site throughout the duration of construction and decommissioning. It is assumed in this analysis that workers would travel in gasoline-powered light-duty vehicles. Finally, diesel fuel would be used by the generator during the commissioning phase to maintain battery temperatures. The estimated fuel usage from construction and decommissioning of the Project is shown in Table 2.6-1. Complete energy demand estimates are included in Appendix B.

Table 2.6-1. Total Proposed Project Construction and Decommissioning Petroleum Demand

Scenario	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Generator (diesel)	Worker Vehicles (gasoline)
	Gallons				
Construction	32,695	18,189	52,647	4,058	19,357
Decommissioning	45,113	2,497	3,662	0	4,904
Total Petroleum Consumed for Project Construction/ Decommissioning					**183,132**

Source: Appendix B.

In summary, construction and decommissioning associated with the development of the Project is estimated to consume approximately 126,956 gallons and 56,176 gallons of petroleum, respectively, for a combined total of 183,132 gallons of petroleum. Project construction and decommissioning would represent a “single event” petroleum demand and would not require on-going or permanent commitment of petroleum resources for this purpose.

There are no unusual Project characteristics or processes that would require the use of equipment that would be more energy intensive than is used for comparable activities, or equipment that would not conform to current emissions standards (and related fuel efficiencies). The Project would be subject to CARB’s In-Use Off-Road Diesel Vehicle Regulation as a Condition of Approval which applies to certain off-road diesel engines, vehicles, or equipment greater than 25 horsepower. The regulation (1) imposes limits on idling, requires a written idling policy, and requires a disclosure when selling vehicles; (2) requires all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System) and labeled;

(3) restricts the adding of older vehicles into fleets starting on January 1, 2014; and (4) requires fleets to reduce their emissions by retiring, replacing, or repowering older engines or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits). The fleet must either show that its fleet average index was less than or equal to the calculated fleet average target rate, or that the fleet has met the Best Achievable Control Technology requirements. Equipment employed in construction and decommissioning of the proposed Project would therefore not result in inefficient, wasteful, or unnecessary consumption of fuel.

Additional construction-source energy efficiencies would occur due to required California regulations and best available control measures. For example, CCR Title 13, Motor Vehicles, Section 2449(d)(2), Idling, limits idling times of construction vehicles to no more than 5 minutes would be included as a Condition of Approval, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Section 2449(d)(2) requires medium and large fleets to adopt a written idling policy informing operators that idling is limited to 5 consecutive minutes or less. Equipment rental agreements must also inform renters/lessees of this idling restriction. In this manner, construction equipment operators are required to be informed that engines are to be turned off at or prior to 5 minutes of idling.

Overall, while construction activities would consume petroleum-based fuels, consumption of such resources would be temporary and would cease upon the completion of construction. Further, the petroleum consumed related to construction and decommissioning would be typical of construction projects of similar types and sizes and would not necessitate new petroleum resources beyond what are typically consumed in California. Therefore, because petroleum use during Project construction and decommissioning would be temporary and minimal and would not be wasteful or inefficient, impacts would be less than significant.

Operation

Electricity

It was estimated that the Project would require up to 120,000 kilowatt-hours of electricity per year. For context, local electricity demand in Colusa County was approximately 314 million kilowatt-hours in 2022 (CEC 2025a). Overall, the increase in electricity demand would be minimal and would not be considered inefficient, wasteful, or unnecessary, and impacts would be less than significant.

Petroleum

During operations, fuel consumption would involve the infrequent use of motor vehicles traveling to and from the Project site, off-road equipment, generator testing and maintenance, and landscaping equipment.

Overall operational petroleum demand was estimated at 5,275 gallons average per year, with the majority (5,072 gallons) associated with the testing and maintenance for the emergency backup diesel generator. For context, sources in Colusa County are projected to consume about 40 million gallons of petroleum in 2026 from on-road transportation sources alone (CARB 2025).

Summary

Implementation of the Project would minimally increase the demand for electricity at the Project site and petroleum consumption in the region during construction and operation. However, because the Project would be consistent with current regulations and policies, the proposed facilities would not be wasteful or inefficient and would not result in unnecessary energy resource consumption. The proposed Project would not directly require the construction of new energy generation or supply facilities or result in wasteful, inefficient, or unnecessary consumption of energy. Finally, the purpose of the Project would be to provide additional capacity to the electrical grid and support the integration of additional intermittent renewable energy sources, such as wind and solar and would also serve as an additional local capacity resource that would enhance grid reliability. Impacts would be less than significant.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less Than Significant Impact. The proposed Project would follow applicable energy standards and regulations during the construction, operation, and decommissioning phases. Additionally, as discussed previously, the Project would allow for increased energy storage from intermittent renewable energy sources, thereby increasing grid reliability and increasing the opportunity for renewable energy development. Thus, while energy consumption would be required for the Project, it would ultimately support the implementation of state and local plans for renewable energy, including the CARB Scoping Plans and Colusa County General Plan, as detailed in Section 2.8 below. As such, there would be no impact related to conflicts with plans for renewable energy and energy efficiency, and in fact, Project implementation would result in beneficial impacts.

2.7 Geology and Soils

2.7.1 Environmental Setting

A Phase I Environmental Site Assessment (Appendix G) was prepared for the Project in May 2024. The Project site is located in the Great Valley geomorphic province, east of the Coast Ranges. General topographic information for the Project site and surrounding area was obtained from a review of topographic maps, the Environmental Data Resources Radius Map Report, and a site visit. The Project area is flat with only a minor change in elevation throughout. Elevation across the Project area ranges from approximately 140 feet to 160 feet above mean sea level. According to the U.S. Department of Agriculture Natural Resources Conservation Service Web Soil Survey, two soil types occur within the Project area: Myers clay (0% to 2% slopes) and Mallard clay loam (0% to 1% slopes). Myers soil components are described as soils with clay texture and well-drained with very slow infiltration rates. Mallard soil components are described as soils with moderately fine or fine textures and somewhat poorly drained with layers impeding downward movement of water.

A Paleontological Resources Assessment (Appendix H) was prepared for the Project in June 2024. To determine the paleontological sensitivity of the Project site, Dudek performed a paleontological resources inventory in compliance with CEQA and Society of Vertebrate Paleontology (SVP) guidelines (SVP 2010). The inventory consisted of a paleontological records search through the Natural History Museum of Los Angeles County (NHMLA) and a review of geological mapping and geological and paleontological literature. The paleontological resources records search was requested from NHMLA on April 17, 2024. A paleontological resources survey was conducted by Dudek field paleontologist, Michael Mendiola, on June 21, 2024. The NHMLA paleontological resources records search, survey

for paleontological resources, and map and literature review were conducted to identify the geological units on site, determine if any previously recorded fossil localities are present within or nearby the Project site, and determine the paleontological resources sensitivity or potential of the geological units present within the Project site to make recommendations for future management considerations for the protection of significant paleontological resources if necessary.

Geological Literature, Map, and Geotechnical Report Review

The Project study area lies within the Great Valley Geomorphic Province (CGS 2002). This province is an alluvial plain that stretches approximately 50 miles wide by 400 miles long in the central part of California. The northern portion of the Great Valley Province is composed of the Sacramento Valley and the Southern portion is composed of the San Joaquin Valley. The Project is located in the Sacramento Valley portion of the province along its western boundary. The valley is filled with nearly flat-lying sediments as much as 20,000 to 40,000 feet thick. Beneath the valley, Cretaceous and Cenozoic strata form a broad U-shaped cross-sectional profile (trough) that is steeper on the west than the east. The edges of the tilted layers of Great Valley sedimentary rock can be seen along the western margin of the trough adjacent to the Coast Ranges (CGS 2002).

According to surficial geological mapping at a scale of 1:750,000 by Jennings et al. (2010) and the International Chronostratigraphic Chart of Cohen et al. (2024), the Project site is underlain by Holocene (< 11,700 years ago) to latest Pleistocene (approximately 11,700 to 129,000 years ago) alluvium, lake, playa, and terrace deposits (map unit Q). These sediments range from unconsolidated to semi-consolidated and are mostly non-marine but may contain marine deposits near the coast. These deposits are considered to have low paleontological sensitivity/potential on the surface, but this sensitivity/potential increases to high at depth. These deposits are commonly underlain by older geological units having high paleontological sensitivity or potential at variable depths below ground surface.

Larger scale mapping by Jennings and Strand (1960) at a 1:250,000 scale indicates the Project site is underlain by Holocene fan deposits (map unit Qf), which are part of the Great Valley Sequence.

Within 0.75 miles of the Project site, Pleistocene and/or Pliocene (approximately 11,700 years ago to 5.3 million years ago) sandstone, shale, and gravel deposits (map unit QPc) are mapped at the surface (Jennings et al. 2010). These deposits are mapped as late Pliocene (approximately 2.58 million years ago to 3.6 million years ago) nonmarine deposits (map unit Puc) by Jennings and Strand (1960). These older deposits have a high likelihood of being found underneath the younger deposits mapped on the surface. The sandstone, shale, and gravel deposits are continental in origin and are mostly loosely consolidated (Jennings et al. 2010). Pleistocene and Pliocene sedimentary deposits have produced significant paleontological resources throughout the state of California (Jefferson 1991, 2003; Harris 2012). These older sedimentary deposits have high paleontological sensitivity based on the age of the sediments.

Paleontological Literature Review

A search of the University of California Museum of Paleontology online database, as well as several other online databases all produced negative results for fossil localities within the Project site or nearby from similar sediments that underlie the Project site.

Paleontological Records Searches

The NHMLA sent a results letter regarding the paleontological resources records search on April 21, 2024. The museum indicated that after a preliminary records search that they had no relevant fossil localities within the region, and any localities they did have would be quite far from the Project.

Results of the Field Survey

The Project site is an old orchard with heavily disturbed sediments. There was ground surface visibility throughout most of the site when the survey was conducted on June 21, 2024. Sediments consist of a medium brown loam with poorly sorted pebbles of granitic origin. No fossils were discovered during the intensive survey for paleontological resources.

2.7.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS – Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☐	☒
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☒	☐	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

No Impact. There are no known faults traversing the Project site, and the Project site is not located within an Alquist-Priolo Earthquake Fault Zone or any other established fault zones (California Department of Conservation 2024b). The Hunting Creek Fault is the nearest earthquake fault to the Project site and is located approximately 19 miles southwest. Thus, the Project would not be exposed to fault rupture hazards along this fault, and no impact would occur.

ii) Strong seismic ground shaking?

Less Than Significant Impact. The primary seismic hazard for the Project site is the susceptibility to ground shaking due to the presence of active or potentially active faults in the region. The design and construction of the Project would comply with the Colusa County Building Code, which is based on the most recent version of the California Building Standards Code (commonly referred to as the CBC). Compliance with County Building Code and CBC regulations would minimize damage in the event of an earthquake. Additionally, no Project structures are habitable structures and would therefore pose very low risk of loss, injury, or death. Complying with all applicable building codes and standards would reduce Project impacts to levels that are less than significant.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. Potential secondary seismic effects of strong seismic ground shaking include liquefaction, lateral spreading, and seismically induced settlement/differential compaction. Liquefaction is defined as a loss of strength of saturated, cohesionless soil generally due to seismic shaking. Soil types most susceptible to liquefaction are loose, saturated silty to clean fine sands. Lateral spreading is the lateral movement of soil on an unsupported slope during liquefaction. The California Geological Survey has not established Zones of Required Investigation for liquefaction or earthquake-induced landslides on or near the Project site. The Project site is underlain by Holocene age (past 11,700 years) alluvial fan deposits

(California Division of Mines 1960). A generalized causal relationship exists between liquefaction potential and depositional landscapes. Based on this relationship, the liquefaction potential of Holocene alluvial fan deposits is low (Colusa County 2011). Therefore, the potential for hazards from liquefaction and subsequent lateral spreading on the site would be low. Compliance with County Building Code and CBC regulations would minimize damage associated with seismic related ground failure, including settlement and differential compaction, such that Project impacts would be less than significant.

iv) Landslides?

No Impact. No natural or artificial slopes exist on or near the Project site. Therefore, the risk of seismically induced landslides is not applicable, and no impact would occur.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact with Mitigation Incorporated.

Construction

Soil erosion and the loss of topsoil could occur during grading and construction of the proposed Project. Because more than 1.0 acre of ground disturbance would occur during Project construction, grading and construction would occur in compliance with a National Pollutant Discharge Elimination System (NPDES) Construction General Permit. Under this permit, potential impacts of soil erosion on the Project site would be minimized through implementation of a Storm Water Pollution Prevention Plan (SWPPP), which would prescribe temporary BMPs to control wind and water erosion during and shortly after construction of the Project. With implementation of BMPs as prescribed in the SWPPP, the impact on soil erosion and the loss of topsoil during construction would be less than significant.

Operations

The Project site is relatively flat with minimal potential for concentrated runoff and erosion to occur. Upon construction of the BESS components, temporary BMPs would be implemented until such a time that vegetation has been restored or permanent BMPs are in place and functioning, thus minimizing the potential for soil erosion. In addition, existing landscaping surrounding the Project, in addition to the proposed landscape buffer, would minimize the amount of runoff and potential for erosion from the Project site by providing permeable areas for water infiltration and decrease runoff volume. As a result, erosion related impacts during operations would be less than significant.

Decommissioning

Decommissioning of the Project at the end of its useful life would include the removal of BESS equipment from the foundations, disconnection of wiring, and removal of site infrastructure, which would potentially result in soil erosion. Similar to that described for construction, because more than 1.0 acre of ground disturbance would occur during Project decommissioning, demolition, soil excavation for removal of subsurface infrastructure, and site restoration would occur in compliance with an NPDES Construction General Permit. Under this permit, potential impacts of soil erosion on the Project site would be minimized through implementation of a SWPPP, which would prescribe temporary BMPs to control wind and water erosion during and shortly after decommissioning of the Project.

However, following decommissioning and site restoration, the Project site would be unpaved and susceptible to long-term soil erosion. Impacts would be less than significant with implementation of **MM-GEO-1**.

c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Less Than Significant Impact. As discussed previously, there would be a less than significant impact related to liquefaction, lateral spreading, landslide, or other seismic-related ground failure. The Project site is located on the northwest perimeter of an area of ground subsidence due to excessive groundwater withdrawal. From 1987 to 2016, groundwater levels in a well northwest of Arbuckle dropped approximately 119 feet, and from 2011 to 2019, groundwater levels near Arbuckle dropped up to 43 feet. From Spring 2011 to Spring 2016, groundwater levels in the vicinity of the Project site dropped approximately 10 feet to 12 feet. These lowering of groundwater levels resulted in up to 2 feet of ground subsidence just north of Arbuckle and approximately 1 inch of subsidence in the vicinity of the Project site. The Colusa County survey results were collected as groundwater levels were recovering from the severe drought of 2012-2016, which saw groundwater levels in much of the state reach historic lows. Field work indicated that groundwater levels recovered an average of 7 feet by 2019 (DWR 2016, 2019).

Land subsidence can damage structures and infrastructure, especially elongated structures such as levees, roads, and underground utilities (e.g., electrical lines, water pipes, sewer pipes, drain pipes), which can suffer from cracks, tilting, and collapse due to uneven ground settlement. PG&E's portion of the intertie line, from the POCO to the existing Cortina Substation, would be installed on a tubular steel pole, which would eliminate the potential for ground subsidence to adversely impact this portion of the intertie line. The Project's portion of the intertie line would be installed in 0.5-mile of underground conduit. Although this portion of the intertie line may possibly be susceptible to damage due to subsidence, the relative flexibility of the conduit would minimize any potential damage to the intertie line. The BESS batteries, battery racks, cooling system, direct-current disconnect, and other ancillary equipment would be housed in outdoor-rated containers. Power for the HVAC system, lighting, and other electrical systems would be provided through a connection to the on-site station service transformer with connection lines installed above and/or below ground.

Because documented ground subsidence in the vicinity of the Project site is only 1 inch, the potential for damage to BESS containers and associated underground infrastructure is low. Project construction would be completed in compliance with County Building Code and CBC regulations, which would minimize the potential for damage to occur as a result of minor differential settlement. In addition, the Project would not cause or induce ground subsidence as a result of over-pumping the underlying aquifer.

Soil collapse is a phenomenon where the soils undergo a significant decrease in volume upon increase in moisture content, with or without an increase in external loads. As with liquefaction and lateral spreading, design recommendations and compliance with the latest County Building Code and CBC would minimize the effects of soil collapse. Conformance with standard engineering practices and design criteria would ensure that the proposed Project does not exacerbate existing conditions. Therefore, impacts related to geologic unit or soil that is unstable would be less than significant.

d) Would the project be located on expansive soil, as defined in Section 1803A.5.3 of the California Building Code, creating substantial direct or indirect risks to life or property?

Less Than Significant Impact. Expansive soils are typically associated with fine-grained clayey soils that have the potential to shrink and swell with repeated cycles of wetting and drying. Such soils can expose overlying buildings to differential settlement and other structural damage. According to the Natural Resources Conservation Service Web Soil Survey data, the soils underlying the Project site are categorized as Myers clay and Mallard clay loam, both which are potentially prone to soil expansion. Prior to construction, a design-level geotechnical investigation would be conducted by a qualified geologist and would identify any expansive soils within the Project site and make design recommendations to minimize impacts from expansive soils. Conformance with the CBC as well as design recommendations would reduce the potential for substantial risks to life or property as a result of the expansive soils. Therefore, impacts would be less than significant.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. The proposed Project would not include toilets, kitchens, or restrooms that would generate wastewater requiring disposal into the sewer system or a septic tank. Thus, the on-site soils would not pose limitations to septic tanks or alternative wastewater disposal systems since none are proposed as part of the Project. Therefore, no impact would occur.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant Impact With Mitigation Incorporated. No paleontological resources were identified within the Project site as a result of the institutional records search or desktop geological and paleontological review. In addition, the Project site is not anticipated to be underlain by unique geologic features. The Project site is underlain by Holocene to late Pleistocene sedimentary deposits, which have low paleontological sensitivity, but sensitivity increases with depth. If intact paleontological resources are located on site, ground-disturbing activities associated with construction of the Project, such as grading during site preparation and trenching for utilities of large diameter (2 feet or greater), have the potential to destroy a unique paleontological resource or site. As such, the Project site is considered to be potentially sensitive for paleontological resources, and without mitigation, the potential damage to paleontological resources during construction associated with the Project is considered a potentially significant impact. Given the number of past fossil discoveries from similar Pleistocene and Pliocene deposits throughout the state of California, the Project site is highly sensitive for supporting paleontological resources below the depth of fill and disturbed sedimentary deposits. However, upon implementation of **MM-GEO-2**, impacts would be reduced to below a level of significance. Impacts of the Project are considered less than significant with mitigation incorporated during construction.

Mitigation Measures

MM-GEO-1: Prior to commencement of any grading activity on-site, the applicant shall prepare an erosion control plan and develop and implement a SWPPP (with associated BMPs), to be implemented following Project decommissioning. The plan shall include flow control measures to manage water flow and prevent erosion, such as silt fences and check dams;

sediment control measures such as installation of sediment traps and silt fences to capture eroded soil before it leaves the site; and soil stabilization techniques such as mulching, seeding, and erosion control blankets to stabilize exposed soil. The soil erosion plan shall be prepared by a Qualified SWPPP Developer (QSD) and implemented by a Qualified SWPPP Practitioner (QSP), as designated by the State Water Resources Control Board. The erosion control plan shall be implemented until vegetation has been reestablished on-site.

MM-GEO-2: Prior to commencement of any grading activity on-site, the applicant shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (2010) guidelines. The paleontologist shall prepare a Paleontological Resources Mitigation and Monitoring Program for the Project. The Paleontological Resources Mitigation and Monitoring Program shall be consistent with the SVP (2010) guidelines and must outline: requirements for preconstruction meeting attendance and worker environmental awareness training; where monitoring is required within the Project site based on construction plans and/or geotechnical reports; procedures for adequate paleontological monitoring and discoveries treatment; and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management. The qualified paleontologist shall attend the preconstruction meeting and a qualified paleontological monitor shall be on-site during all rough grading and other significant ground-disturbing activities (including augering that is 2 feet in diameter or greater) in previously undisturbed, fine-grained Pleistocene and/or alluvial deposits. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Costs associated with fossil laboratory work and museum curation fees are the responsibility of the Project Applicant.

2.8 Greenhouse Gas Emissions

2.8.1 Environmental Setting

Dudek prepared an Air Quality, Greenhouse Gas, and Energy Technical Memorandum for the Project, which is attached as Appendix B and summarized herein.

2.8.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate—such as temperature, precipitation, or wind patterns—lasting for an extended period (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the sun's energy reaching the Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2024b).

The greenhouse effect is the trapping and buildup of heat in the atmosphere near the Earth's surface (troposphere). The greenhouse effect traps heat in the troposphere through a threefold process, as follows: short-wave radiation emitted by the Sun is absorbed by the Earth, the Earth emits a portion of this energy in the form of long-wave radiation, and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. However, recent climate changes, in particular the warming observed over the past century, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of warming since the mid-twentieth century and are the most significant driver of observed climate change (EPA 2024b; IPCC 2013). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system.

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 IPCC Synthesis Report (IPCC 2014) indicated that warming of the climate system is unequivocal, and since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, rising sea levels, and ocean acidification (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, frequency of severe weather events, and electricity demand and supply. The primary effect of global climate change has been a rise in average global tropospheric temperature. Global surface temperature in the first 2 decades of the twenty-first century (2001–2020) was 0.99 [0.84 to 1.10]°C higher than 1850–1900 (IPCC 2023). Global surface temperature has increased faster since 1970 than in any other 50-year period over at least the last 2000 years (IPCC 2023). Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. Human activities, principally through emissions of GHGs, have unequivocally caused global warming, with global surface temperature reaching 1.1°C above 1850-1900 in 2011-2020 (IPCC 2023).

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. Office of Environmental Health Hazard Assessment identified various indicators of climate change in California, which are scientifically based measurements that track trends in various aspects of climate change. Many indicators reveal discernible evidence that climate change is occurring in California and is having significant, measurable impacts in the state. Changes in the state's climate have been observed including an increase in annual average air temperature, more frequent extreme heat events, more extreme drought, a decline in winter chill, an increase in cooling degree days and a decrease in heating degree days, and an increase in variability of statewide precipitation (OEHHA 2022).

Warming temperatures and changing precipitation patterns have altered California's physical systems—the ocean, lakes, rivers and snowpack—upon which the state depends. Winter snowpack and spring snowmelt runoff from the Sierra Nevada and southern Cascade Mountains provide approximately one-third of the state's annual water supply. Impacts of climate on physical systems have been observed such as high variability of snow-water content (i.e., amount of water stored in snowpack), decrease in spring snowmelt runoff, glacier change (loss in area), rise in sea levels, increase in average lake water temperature and coastal ocean temperature, and a decrease in dissolved oxygen in coastal waters (OEHHA 2022).

Impacts of climate change on biological systems, including humans, wildlife, and vegetation, have also been observed including climate change impacts on terrestrial, marine, and freshwater ecosystems. As with global observations, species responses include those consistent with warming: elevational or latitudinal shifts in range, changes in the timing of key plant and animal life cycle events, and changes in the abundance of species and in community composition. Humans are better able to adapt to a changing climate than plants and animals in natural ecosystems. Nevertheless, climate change poses a threat to public health as warming temperatures and changes in precipitation can affect vector-borne pathogen transmission and disease patterns in California as well as the variability of heat-related deaths and illnesses. In addition, since 1950, the area burned by wildfires each year has been increasing (OEHHA 2022).

2.8.1.2 Greenhouse Gases

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code Section 38505(g), for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3) (see also 14 CCR 15364.5).[3] Some GHGs, such as CO_2, CH_4, and N_2O, are emitted into the atmosphere through natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than CO_2, include fluorinated gases, such as HFCs, PFCs, and SF_6, which are associated with certain industrial products and processes.

2.8.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2024b). The Intergovernmental Panel on Climate Change (IPCC) developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) of CO_2 equivalent (CO_2e).

[3] Climate forcing substances include GHGs and other substances such as black carbon and aerosols.

The current version of CalEEMod (version 2022.1) assumes that the GWP for CH_4 is 25 (so emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the IPCC Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the project.

2.8.2 Threshold of Significance

The significance criteria used to evaluate the Project's GHG emissions impacts is based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this GHG emissions analysis, the Project would have a significant environmental impact if it would (14 CCR 15000 et seq.):

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment;
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

The Appendix G thresholds for GHGs do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009). With respect to GHG emissions, the CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or performance-based standards" (14 CCR 15064.4[a]). A lead agency may use a "model or methodology" to estimate GHG emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change" (14 CCR 15064.4[c]). The CEQA Guidelines provide that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment (14 CCR 15064.4[b]):

1. The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

In addition, the CEQA Guidelines specify that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7[c]).

The CEQA Guidelines do not indicate an amount of GHG emissions that constitutes a significant impact on the environment. Instead, they authorize the lead agency to consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence (14 CCR 15064.4[a] and 15064.7[c]). Quantitative threshold approaches include numeric "bright-line" thresholds or efficiency-based thresholds that express the GHG

emissions on a "per capita" or "per service population" (i.e., residents + employees) basis. Several agencies throughout the state have drafted and/or adopted numerical threshold approaches and guidelines for analyzing the significance of project-related GHG emissions, including the South Coast Air Quality Management District's 3,000 MT CO_2e annual threshold for residential/commercial or mixed-use projects (SCAQMD 2010) and the California Air Pollution Control Officers Association 900 MT CO_2e threshold (CAPCOA 2008), among others. However, no numerical thresholds have been formally adopted by an air district or other public agency or expert for use in Colusa County.

In the absence of an adopted numerical threshold for the Project region, and as established by the BCAQMD, the significance of the Project-related GHG emissions can be determined by evaluating the Project's compliance with regulations or requirements adopted to implement statewide, regional, or local plans for the reduction or mitigation of GHG emissions. The state's 2030 target (reduce GHG emissions to 40% below 1990 levels by 2030) has been codified in law through Senate Bill (SB) 32, and the 2045 target (net zero GHG emissions and reduce anthropogenic GHG emissions to 85% below 1990 levels by 2045) has been codified into law through AB 1279. Therefore, 2030 and 2045 mark the next statutory statewide milestone targets applicable to the Project. Regarding local regulations, the Colusa County General Plan encourages renewable energy development in the conservation element. The compliance evaluation is the sole basis for determining the significance of the Project's GHG-related impacts on the environment.

Nevertheless, and in accordance with Section 15064.4 of the CEQA Guidelines, GHG emissions resulting from construction and operation of the Project were quantitatively estimated. The GHG emissions associated with implementation of the Project were estimated using industry standard and accepted software tools, techniques, and emissions factors. Estimation of emissions is for informational purposes only, for comparison with existing environmental conditions.

2.8.3 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS – Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? Or

b) Would the project generate conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact. As discussed in Section 2.8.2, the significance of the Project's GHG emission impacts is determined through an evaluation of compliance with regulations and requirements adopted to implement statewide, regional, and local plans for the purpose of reducing GHG emissions. While the GHG emissions increase associated with the Project was quantified, the estimate is provided for informational purposes in accordance with Section 15064.4 of the CEQA Guidelines and is not used for determination of significance. As such, the Appendix G thresholds are considered together below, beginning with the evaluation of the Project's compliance with applicable plans.

Project Potential to Conflict with State Reduction Targets and CARB's Scoping Plan

The California State Legislature passed AB 32 to provide initial direction to limit California's GHG emissions to 1990 levels by 2020 and initiate the state's long-range climate objectives. Since the passage of AB 32, the state has adopted GHG emissions reduction targets for future years beyond the initial 2020 horizon year. CARB is required to develop a Scoping Plan, which provides the framework for actions to achieve the state's GHG emission targets. While the Scoping Plan is not directly applicable to specific projects, nor is it intended to be used as the sole basis for project-level evaluations, it is the official framework for the measures and regulations that will be implemented to reduce California's GHG emissions in alignment with the adopted targets. Therefore, a project would be found to not conflict with the statutes if it meets the Scoping Plan policies and would not impede attainment of the goals therein.

For the Project, the relevant GHG emissions reduction targets include those established by SB 32 and AB 1279, which require GHG emissions be reduced to 40% below 1990 levels by 2030, and 85% below 1990 levels by 2045, respectively. In addition, AB 1279 requires the state achieve net zero GHG emissions by no later than 2045 and achieve and maintain net negative GHG emissions thereafter. CARB's 2017 Scoping Plan update was the first to address the state's strategy for achieving the 2030 GHG reduction target set forth in SB 32 (CARB 2017), and the most recent CARB 2022 Scoping Plan update outlines the state's plan to reduce emissions and achieve carbon neutrality by 2045 in alignment with AB 1279 and assesses the progress made toward the 2030 SB 32 target (CARB 2022). As such, given that SB 32 and AB 1279 are the relevant GHG emission targets, the 2017 and 2022 Scoping Plan updates that outline the strategy to achieve those targets, are the most applicable to the Project.

The 2017 Scoping Plan included measures to promote renewable energy and energy efficiency (including the mandates of SB 350)[4], measures to increase stringency of the low-carbon fuel standard, measures identified in the Mobile Source and Freight Strategies, measures identified in the proposed Short-Lived Climate Pollutants plan, and measures to increase stringency of SB 375 targets.[5] The 2022 Scoping Plan

[4] SB 350 expanded the Renewables Portfolio Standard program by establishing a goal that 50% of the total electricity sold to retail customers in California per year be from renewable energy sources by December 31, 2030. In addition, SB 350 included the goal to double the energy efficiency savings in electricity and natural gas final end uses (such as heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency.

[5] Pursuant to SB 375, CARB set per-capita GHG emissions reduction targets from passenger vehicles for each of the state's 18 metropolitan planning organizations.

builds upon and accelerates programs currently in place, including moving to zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemicals and refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; and displacing fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines) (CARB 2022). Many of the measures and programs included in the Scoping Plan would result in the reduction of Project-related GHG emissions with no action required at the project-level, including GHG emission reductions through increased energy efficiency and renewable energy production, reduction in carbon intensity of transportation fuels (low-carbon fuel standard), and the accelerated efficiency and electrification of the statewide vehicle fleet (Mobile Source Strategy). Table 2.8-1 summarizes the Project's potential to conflict with the applicable 2017 Scoping Plan actions.

Table 2.8-1. Project Potential to Conflict with 2017 Scoping Plan

Action	Potential to Conflict
Implement SB 350 by 2030 ▪ Increase Renewable Portfolio Standard ▪ Establish annual targets for statewide energy efficiency ▪ Reduce GHG emissions in the electricity sector	***No Conflict.*** This action is directed towards policymakers and would not be directly applicable to the Project. Nonetheless, the Project would use energy from PG&E. PG&E has committed to diversify its portfolio of energy sources by increasing energy from wind and solar sources. The Project would not interfere with or obstruct PG&E energy source diversification efforts. Rather, the Project would provide additional capacity to the electrical grid and support the integration of additional intermittent renewable energy sources, such as wind and solar. The Project would also serve as an additional local capacity resource that would enhance grid reliability.
Implement Mobile Source Strategy (Cleaner Technology and Fuels) ▪ Increase zero emission and plug-in hybrid electric vehicles ▪ Increase GHG stringency on light-duty vehicles beyond Advanced Clean Cars ▪ Medium- and heavy-duty GHG Phase 2 ▪ Innovative Clean Transit ▪ Last Mile Delivery ▪ Further reduce VMT through SB 375 and regional Sustainable Communities Strategy	***No Conflict.*** These actions are part of the CARB Mobile Source Strategy that pertains to vehicle fleet standards. As this is a CARB enforced standard, vehicles that access the Project are required to comply with the standards and will therefore comply with the strategy.
Implement California Sustainable Freight Action Plan	***No Conflict.*** This measure would apply to all trucks accessing the Project sites, including existing trucks or new trucks that are part of the statewide goods movement sector. Thus, the Project would not obstruct or interfere with agency efforts to improve freight system efficiency but rather would comply with all applicable standards.
Adopt a Low Carbon Fuel Standard with a Carbon Intensity reduction of 18%.	***No Conflict.*** This measure, which was increased to 20% reduction in carbon intensity by 2030 (see 2022 Scoping Plan), applies to all fuel purchased and used by the Project in the state. Thus, the Project would not obstruct or interfere with agency efforts to implement a Low Carbon Fuel Standard but rather would comply with all applicable standards.

Table 2.8-1. Project Potential to Conflict with 2017 Scoping Plan

Action	Potential to Conflict
Utilize wood and agricultural products to increase the amount of carbon stored in the natural and built environments.	***No Conflict.*** To the extent appropriate for the Project, wood products would be used in construction.

Source: CARB 2017.
Notes: SB = Senate Bill; PG&E = Pacific Gas and Electric; CARB = California Air Resources Board; GHG = greenhouse gas; VMT = vehicle miles traveled.

Table 2.8-2 highlights the measures from the 2022 Scoping Plan that are relevant to the Project.

Table 2.8-2. Project Potential to Conflict with 2022 Scoping Plan

Sector	Action	Potential to Conflict
GHG Emissions Reductions Relative to the SB 32 Target	40% below 1990 levels by 2030	***No Conflict.*** While the SB 32 GHG emissions reduction target is not an Action that is analyzed independently, it is included in Table 2-1 of the 2022 Scoping Plan for reference. The Project would not obstruct or interfere with agency efforts to meet the SB 32 reduction goal. Rather, the Project would allow for increased energy storage from intermittent renewable energy sources, thereby increasing grid reliability and increasing the opportunity for renewable energy development.
Smart Growth/ VMT	VMT per capita reduced 25% below 2019 levels by 2030, and 30% below 2019 levels by 2045	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to meet this regional VMT reduction goal, including through implementation of SB 375. As detailed below, the Project would not conflict with the Colusa County Transportation Commission Regional Transportation Plan, which is the regional growth management strategy for the County.
Light-duty Vehicle (LDV) Zero Emission Vehicles (ZEVs)	100% of LDV sales are ZEV by 2035	***No Conflict.*** As this action pertains to LDV sales within California, the Project would not obstruct or interfere with its implementation.
Truck ZEVs	100% of medium-duty vehicle (MDV)/ heavy-duty vehicle (HDV) sales are ZEV by 2040	***No Conflict.*** As this action pertains to MDV and HDV sales within California, the Project would not obstruct or interfere with its implementation.
Electricity Generation	Sector GHG target of 38 million metric tons of carbon dioxide equivalent ($MMTCO_2e$) in 2030 and 30 $MMTCO_2e$ in 2035 Retail sales load coverage[1] 20 gigawatts (GW) of offshore wind by 2045 Meet increased demand for electrification without new fossil gas-fired resources	***No Conflict.*** As this Action pertains to the statewide procurement of renewably generated electricity, the Project would not obstruct or interfere with its implementation. Rather, the Project would support increased usage of renewable electricity by allowing for a more reliable local electric grid and reducing reliance on natural gas power plants.
New Residential and	All electric appliances beginning 2026 (residential) and 2029 (commercial),	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to meet the all-electric appliance and heat pump goals because

Table 2.8-2. Project Potential to Conflict with 2022 Scoping Plan

Sector	Action	Potential to Conflict
Commercial Buildings	contributing to 6 million heat pumps installed statewide by 2030	no appliances or pumps will be installed as part of the Project.
Construction Equipment	25% of energy demand electrified by 2030 and 75% electrified by 2045	***No Conflict.*** As this Action pertains to the electrification of off-road equipment across California, the Project would not obstruct or interfere with its implementation. Instead, construction equipment used at the Project site will conform to state standards.
Low Carbon Fuels for Transportation	Biomass supply is used to produce conventional and advanced biofuels, as well as hydrogen	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to increase the provision of low carbon fuels for transportation. The development and use of biofuels in trucks and automobiles would occur at the state and regional level. All equipment at the Project site using biofuels will conform to state standards.
Low Carbon Fuels for Buildings and Industry	In 2030s biomethane blended in pipeline Renewable hydrogen blended in fossil gas pipeline at 7% energy (~20% by volume), ramping up between 2030 and 2040 In 2030s, dedicated hydrogen pipelines constructed to serve certain industrial clusters	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to increase the provision of low carbon fuels for use in buildings and industry. The blending of biomethane and use of renewable hydrogen in existing natural gas pipelines would happen at the scale of the utility provider and without action required by the Project. All fuels used at the Project site will conform to state standards.
High-GWP Potential Emissions	Low-GWP refrigerants introduced as building electrification increases, mitigating HFC emissions	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to introduce low-GWP refrigerants. The State has established a prohibition on the sale or distribution of bulk HFCs identified as having a high GWP through SB 1206. All refrigerants used at the Project site will conform to state standards.

Source: CARB 2022.
Notes: SB = Senate Bill; GHG = greenhouse gas; VMT = vehicle miles traveled; LDV = light-duty vehicle; ZEV = zero emission vehicle; MDV = medium-duty vehicle; HDV = heavy-duty vehicle; $MMTCO_2e$ = million metric tons of carbon dioxide equivalent; GWP = global warming potential; HFC = hydrofluorocarbons.
[1] As noted in Table 2-1 of the 2022 Scoping Plan, SB 100 speaks only to retail sales and state agency procurement of electricity (i.e., wholesale or non-retail sales and losses from storage and transmission and distribution lines are not subject to the law).

Based on the analysis in Table 2.8-1 and Table 2.8-2, the Project would be consistent with the applicable strategies and measures in the 2017 Scoping Plan and 2022 Scoping Plan, respectively.

The 2045 carbon neutrality goal required CARB to expand proposed actions in the 2022 Scoping Plan to include those that capture and store carbon in addition to those that reduce only anthropogenic sources of GHG emissions. However, the 2022 Scoping Plan emphasizes that reliance on carbon sequestration in the state's natural and working lands will not be sufficient to address residual GHG emissions, and achieving carbon neutrality will require research, development, and deployment of additional methods to capture atmospheric GHG emissions (e.g., mechanical direct air capture). Given that the specific path to neutrality will require development of technologies and programs that are not currently known or available, the

Project's role in supporting the statewide goal would be speculative and cannot be wholly identified at this time.

Overall, the Project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent applicable and required by law. As demonstrated above, the Project would not conflict with CARB's 2017 or 2022 Scoping Plan updates and with the state's ability to achieve the 2030 and 2045 GHG reduction and carbon neutrality goals.

Potential to Conflict with the Colusa County General Plan

Colusa County has not yet adopted a GHG reduction plan at this time. However, the Colusa County General Plan does encourage renewable energy projects in the Conservation Element (Colusa County 2012), as identified below:

Goal CON-2**:** Conserve, protect, and enhance energy, air, and mineral resources.

> Objective CON-2A: Use Energy Efficiently and Encourage the Use of Renewable and Sustainable Sources of Energy
>
> Policy CON 2-2: Encourage the development of large-scale commercial energy projects that utilize renewable sources such as solar, wind, biomass, and agricultural byproducts.
>
> Policy CON 2-3: Allow commercial alternative energy facilities, including solar, wind and biomass in the Agriculture General, Agriculture Upland, Industrial, Forest, and Resource Conservation land use designations with a Conditional Use Permit.

The Project would allow for increased energy storage from intermittent renewable energy sources, thereby increasing grid reliability and increasing the opportunity for renewable energy development. Thus, the Project would support the County's renewable energy goals and would not conflict with the General Plan.

Potential to Conflict with the Colusa County Transportation Commission Regional Transportation Plan

The Colusa County Transportation Commission adopted the *2018 Colusa County Regional Transportation Plan Update* (RTP) in 2019, which provides a connection between transportation and land use planning that would help reduce congestion, commute times, VMT, and associated reduction in GHGs (CCTC 2019). The following RTP goals are established for Colusa County to lessen dependence on the automobile and to promote mode shifting to alternative forms of transportation:

Goal 1.3: promotes a greater use of non-auto modes, such as transit, to reach as many people as possible in the county with improved transit service.

Goal 5.1: provides for better access to locally-operated businesses.

Goal 7.1: strives to minimize traffic congestion through Transportation System Management (TSM) techniques.

Goal 8.1: increases the efficiency of the existing transportation system. Implement TSM techniques where feasible.

Goal 10.1: reduces the demand for single occupant vehicle travel. Where feasible, reduce the demand for travel by single-occupant vehicles through Transportation Demand Management (TDM) techniques.

Goal 11.1: strives to improve livability in the county through land use decisions that encourage walking, transit, and bicycling.

Construction would result in temporary traffic that would be eliminated from the roadway network upon completion of construction. Once construction is completed, VMT would return to pre-Project conditions and all temporary, construction related VMT would be eliminated. The same would be true for temporary decommissioning impacts. During operation, the Project would be remotely operated and would only need infrequent routine maintenance over the long-term. Thus, the Project would not result in a substantial increase in VMT, and, as such, would not conflict with goals of the Colusa County Transportation Commission RTP.

Quantification of GHG Emissions

Construction and decommissioning of the Project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road vendor trucks, and worker vehicles. For additional details, see Appendix B. Pursuant to the approach taken by other air districts, such as the South Coast Air Quality Management District, Project construction emissions were amortized over the lifetime of the Project, which is anticipated to be 25 years and added to the annual operational phase GHG emissions. Table 2.8-3 presents construction and decommissioning GHG emissions for the Project from on-site and off-site emission sources.

Table 2.8-3. Estimated Annual Construction and Decommissioning Greenhouse Gas Emissions

Year	CO_2	CH_4	N_2O	R	CO_2e
	Metric Tons Per Year				
2026 (Construction)	628.61	0.01	0.06	0.50	646.78
2027 (Construction)	640.74	0.01	0.06	0.52	658.62
Construction Subtotal	*1,269.35*	*0.02*	*0.12*	*1.03*	*1,305.40*
2052 (Decommissioning)	566.54	0.02	0.01	<0.01	571.02
Total Construction plus Decommissioning Emissions	**1,835.89**	**0.04**	**0.13**	**1.03**	**1,876.42**
				Amortized Over 25-Years	*75.06*

Source: Appendix B.
Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R = refrigerants; CO_2e = carbon dioxide equivalent.
Estimates also include GHGs from the diesel generator used during commissioning, which were quantified using a spreadsheet model and incorporate Tier 4 Final emission factors per PDF-AQ-1.
All dates assumed in the modeling are approximate. Totals may not sum due to rounding.

For long-term operations, Project-generated GHG emissions from mobile sources, area sources, energy, solid waste, off-road equipment, and stationary sources were estimated, as described in Appendix B. Table 2.8-4 shows the estimated operational GHG emissions from the Project.

Table 2.8-4. Estimated Annual Operational Greenhouse Gas Emissions

Emission Source	CO_2	CH_4	N_2O	R	CO_2e
	Metric Tons Per Year				
Mobile	1.78	<0.01	<0.01	0.00	1.81
Area	0.01	<0.01	<0.01	0.00	0.01
Energy	11.10	<0.01	<0.01	0.00	11.21
Water	0.00	0.00	0.00	0.00	0.00
Waste	0.06	0.01	0.00	0.00	0.21
Off-Road	0.52	<0.01	<0.01	0.00	0.52
Stationary	51.79	<0.01	<0.01	0.00	51.96
Total	**65.26**	**0.01**	**<0.01**	**<0.01**	**65.72**
				Amortized Construction Emissions	*75.06*
				Operational Emissions plus Amortized Construction and Decommissioning Emissions	**140.77**

Source: Appendix B.
Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R=refrigerants; CO_2e = carbon dioxide equivalent; GHG = greenhouse gas.
Values of "<0.01" indicate that the estimated emissions are less than 0.01 metric tons per year. Totals may not sum due to rounding.

As shown in Table 2.8-4, the estimated total GHG emissions during operation of the Project would be approximately 141 MT CO_2e per year, including amortized construction and decommissioning emissions.

Summary

The Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, nor would it conflict with the relevant goals and objectives of any other local or regional plan. Rather, it would ultimately support the implementation of state and local plans for renewable energy. Thus, the Project would result in a potential cumulative GHG impact that would be less than significant.

2.9 Hazards and Hazardous Materials

2.9.1 Environmental Setting

A Phase I Environmental Site Assessment (ESA) (Appendix G) was prepared for the Project in May 2024. The Phase I ESA was performed according to the guidelines stipulated in ASTM Standard E2247-16, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Properties. The scope of the environmental investigation consisted of (1) a reconnaissance of the subject property; (2) a search of regulatory agency records; (3) a review of available historical aerial photographs, topographic maps, Sanborn fire insurance maps, city directory listings, and building department records; (4) an interview with the

subject property owner and the user of the report; and (5) preparation of the Phase I ESA report detailing the findings of the investigation.

The Project site is currently used for agricultural purposes. Historical resources indicated that the site has been cultivated for agricultural purposes from as early as 1937. As with all agricultural properties, pesticides and herbicides are likely used. The chemicals of concern associated with these compounds, such as organochlorinated compounds and metals, are accumulative and persistent in shallow soils. Therefore, the longer a property is used for agricultural purposes, the more likely there is an accumulation of these chemicals of concern. Due to the long-term agricultural use of the property, there is a potential for elevated concentrations of pesticide- and herbicide-related compounds in shallow soils. Typically, this is considered a recognized environmental condition (REC) for unrestricted land use. However, based on the future commercial and unoccupied use of the subject property, it is unlikely that residual concentrations of pesticide-related compounds would be above applicable risk-based concentrations for the land use as a renewable energy facility. Therefore, the historical agricultural use is not considered to represent a REC.

A vapor encroachment was conducted to determine whether there is a potential for vapors originating from contaminated soil and/or groundwater to occur in the subsurface below the existing and potential future on-site structures. Information obtained from other sources (geologic and hydrogeological information, site reconnaissance, local regulatory agency responses) was also considered. The vapor encroachment condition assessment was conducted in accordance with ASTM Standard E2600-22. The Environmental Data Resources Radius Map Report was used to evaluate listed contaminated sites as identified in federal, state, and local databases.

No sites were identified as having groundwater contamination or soil vapor contamination that could impact the subject property; as such, no vapor encroachment condition was identified.

The Phase I ESA did not reveal evidence of RECs, historical RECs, controlled RECs, vapor encroachment conditions, or significant data gaps in connection with the Project site.

2.9.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☒	☐	☐

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact. Exposure of the public or the environment to hazardous materials can occur through transportation accidents, environmentally unsound disposal methods, and/or improper handling of hazardous materials or hazardous wastes (particularly by untrained personnel) during construction or operation. The severity of these potential effects varies by type of activity, concentration and/or type of hazardous wastes, and proximity to sensitive receptors.

Construction and Decommissioning

The hazardous materials used for construction and decommissioning would be typical of most construction projects of this type. Materials may include small quantities of gasoline, diesel fuel, oils, lubricants, solvents, detergents, degreasers, paints, ethylene glycol, dust palliatives, herbicides, and welding materials/supplies.

The California Hazardous Materials Release Response Plans and Inventory Law of 1985 (Business Plan Act) requires preparation of Hazardous Materials Business Plans (HMBP) and disclosure of hazardous materials inventories, including an inventory of how hazardous materials are handled, plans showing where

hazardous materials are stored, an emergency response plan, and provisions for employee training in safety and emergency response procedures (California Health and Safety Code, Division 20, Chapter 6.95, Article 1). Colusa County Environmental Health is the local Certified Unified Program Agency with jurisdiction over the hazardous materials of the proposed Project. As a Condition of Approval, a HMBP would be prepared and provided to the County and would include necessary information to prevent or mitigate possible environmental contamination or worker exposure. During construction and decommissioning of the proposed Project, material safety data sheets for all applicable materials present at the site would be made readily available to on-site personnel.

Construction and decommissioning contractors would implement BMPs for handling hazardous materials during construction activities, including following manufacturers' recommendations and regulatory requirements for use, storage, and disposal of chemical products and hazardous materials used in construction and decommissioning; avoiding overtopping construction and decommissioning equipment fuel tanks; routine maintenance of construction and decommissioning equipment; and properly disposing of discarded containers of fuels and other chemicals. Construction and decommissioning contractors would be required to implement safety measures in accordance with the General Industry Safety Orders of the California Code of Regulations. Furthermore, all construction and decommissioning-related materials would be transported and disposed of in accordance with applicable codes and regulations.

Operation

Operations at the proposed Project would consist of periodic replacement of inverter power modules, filters, and miscellaneous electrical repairs on an as-needed basis. However, outside of these periodic in-person visits, the Project site would be unoccupied. Limited amounts of hazardous materials would be stored or used on the site during operations, including diesel fuel, gasoline, and motor oil for vehicles; mineral oil to be sealed within the transformers; and lead-acid-based batteries for emergency backup. Appropriate spill containment and cleanup kits would be maintained during operation of the proposed Project. In addition the HMBP that would be prepared for the Project, as a Condition of Approval, a Spill Prevention, Control, and Countermeasures plan would be developed for site operations. Fuels and lubricants used during operations would be subject to the Spill Prevention, Control, and Countermeasures plan.

The storage, use, transport, and disposal of hazardous materials are regulated by applicable federal, State, and local regulations. Compliance with federal, State and local requirements would serve to minimize health and safety risks to people or structures associated with hazardous materials stored or used for operations of the proposed Project. Therefore, operational impacts associated with the proposed Project related to use, transport, storage, or disposal of hazardous materials would be less than significant.

b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant Impact with Mitigation Incorporated.

Construction and Decommissioning

Construction and decommissioning of the proposed Project would involve minimal uses of hazardous materials typical to these activities, including gasoline, motor oils, paints, solvents, and other miscellaneous

materials (e.g., engine oil, etc.). All potentially hazardous materials would be used and stored in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. An HMBP is required to be prepared and submitted to the Colusa County Environmental Health Division, which is Colusa County's Certified Unified Program Agency, to govern the use, handling, and routine transport of these materials. The construction and decommissioning phases would involve the use of heavy equipment, which requires small amounts of oil and fuels and other potential flammable substances. During construction and decommissioning, equipment would require refueling and minor maintenance on location that could lead to fuel and oil spills. The contractor would be required to identify a staging area for storing materials. Additionally, operators of heavy-duty equipment are trained to remain alert and nearby during fueling of equipment, and spills, should they occur, should not reach the off-site environment. Construction and decommissioning contractors would be required to implement safety measures in accordance with the General Industry Safety Orders of the California Code of Regulations. All construction and decommissioning-related materials would be transported and disposed of in accordance with applicable codes and regulations. Compliance with applicable federal, State, and local standards would be required; therefore, construction and decommissioning-related impacts related to accidental release of hazardous materials would be less than significant.

Operation

As discussed above, limited amounts of hazardous materials would be stored or used on the site during operations, including diesel fuel, gasoline, and motor oil for vehicles; mineral oil to be sealed within the transformers; and lead-acid-based batteries for emergency backup. Appropriate spill containment and cleanup kits would be maintained during operation of the proposed Project. In addition to the HMBP that would be prepared for the Project, a Spill Prevention, Control, and Countermeasures plan would also be developed for site operations. Fuels and lubricants used in operations would be subject to the Spill Prevention, Control, and Countermeasures plan. Additionally, the proposed Project would be required to comply with federal, State, and local requirements, further minimizing the potential for an accidental release of hazardous materials.

BESS facility failure can occur due to thermal abuse, physical/mechanical damage, electrical abuse, environmental impacts, internal faults within the battery cell, and other electrical faults or system failures. Additionally, during normal operations of the Project, there would be the potential for hazards and accidents typical with that of other BESS operations. These hazards and potential accidents, while infrequent and minimized through routine maintenance and inspection, include, but are not limited to fires, explosions, and the release of toxic gases. The primary potential upset and accident condition for the Project would be the risk of a thermal runaway event occurring, where the system increases in temperature, in turn releasing energy that further increases temperature. This could potentially cause a fire due to the overheating of the battery system. A fire may release toxic chemicals into the air and atmosphere. There are no sensitive receptors immediately adjacent to the Project site.

As detailed in **MM-HAZ-1**, an Emergency Response Plan and Hazard Mitigation Analysis would be completed and submitted prior to the start of construction activities. The Emergency Response Plan would detail emergency response procedures for the Project so that all fire service personnel understand the practices that are to be followed to prepare for and to provide immediate and effective responses to emergencies that may arise at the facility. A Hazards Mitigation Analysis would evaluate the technology specific BESS failure modes and identify potential hazards related to the BESS technology failure and detail the installed safety measures of the facility.

Under normal operations, a BESS does not store or generate hazardous materials in quantities that would represent a risk to offsite receptors. Nonetheless, the Project would be required to comply with the fire code and all local, state, and federal requirements related to Project design, operations, and accident responses. Further, the Project would be subject to and implemented in accordance with the National Fire Protection Association (NFPA), International Fire Code (IFC), Occupational Safety and Health Administration (OSHA), the California Fire Code (CFC), and California Environmental Protection Agency requirements. The risk of thermal runaway and or chemical release due to battery failure is low. Numerous nationally and internationally recognized standards and codes have been developed to inform safe manufacturing, construction, installation, and operation of energy storage systems, including, but not limited to:

- 2021 International Fire Code: Thid Code contains regulations to safeguard against fires and other hazards and addresses general precautions, emergency planning and preparedness, fire department access and water supplies, automatic sprinkler systems, fire alarm systems, special hazards, and other matters.
- California Fire Code: Battery energy storage systems are highly regulated under Chapter 12 of the California Fire Code. These regulations set strict standards for installation and operation of such systems, including internal fire detection and suppression systems and require hazard assessments prior to commercial operation.
- Senate Bill 38: SB 38 was signed into law by Governor Newsome in October 2023, amended Section 761.3 of the California Public Utilities Code to address safety concerns with battery energy storage facilities. The law requires that every battery energy storage facility located in California establish an emergency response and emergency action plan that covers the facility. The owner/operator of the facility must coordinate with local emergency management agencies, unified program agencies, and local first responders to develop the response and action plan, establish a notification and communication procedure, and consider potential offsite impacts to the surrounding community and environment.
- NFPA 855 Standard for the Installation of Stationary Energy Storage Systems: This Standard provides the minimum requirements for mitigating the hazards associated with energy storage systems. The design, installation, commissioning, operation, maintenance and decommissioning of energy storage facilities must comply with standards outlined by NFPA 855. The standard includes site design standards such as maximum energy and spacing between units. Compliance with these standards is documented through several studies and reports that must be submitted to the regulating governmental entity, including 1) Hazard Mitigation Analysis (HMA), 2) Emergency Response Plan, 3) details of all safety systems, and more.
- UL 9540: UL 9540 is the safety standard for energy storage equipment, including batteries, that is required under NFPA 855. NFPA 855 requires that batteries included in energy storage projects are listed to the safety specifications included in UL 9540 and undergo rigorous fire testing. This standard ensures that equipment incorporated into battery energy storage facilities are tested, certified and safe for operation on the electric grid.

A Fire Master Plan has been prepared specifically for the Project and details how each of the above-mentioned standards and codes would be implemented for the Project (Attachment 1). Implementation of **MM-HAZ-1** would ensure that any and all technologies used on-site will have proper accident procedures in place and be approved by the Williams Fire Protection Authority to mitigate any potential impacts from failures that could occur during normal operation of the Project.

With adherence to all applicable standards and codes as discussed above and within the Project's Fire Master Plan, and implementation of **MM-HAZ-1**, the proposed Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment; impacts would be less than significant for operations.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. The nearest school to the Project site is located approximately 3.6 miles north of the Project, in the City of Williams. There are no proposed schools within one-quarter mile of the Project. Additionally, all potentially hazardous materials would be used and stored in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Thus, the proposed Project would not emit or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school and no impact would occur.

d) Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. A Phase I ESA was prepared for the Project site (Dudek 2024). The results of the Phase I ESA indicate that the proposed site is not on a current list of hazardous materials sites and no hazardous or toxic waste sites are located on or adjacent to the proposed Project site. No RECs were identified at the site. Therefore, the Project would result in no impact associated with hazardous materials sites.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The Project is not located within an airport land use plan. Additionally, no public airports or public use airports are located within 2 miles of the Project site. The nearest privately owned airport to the Project site is the Williams Soaring Center, located approximately 5.1 miles northeast of the Project site. The nearest public airport to the Project site is the Colusa County Airport, located approximately 12.5 miles northeast of the Project site. Therefore, no impact would occur.

f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less Thank Significant Impact. Construction, operation, and decommissioning of the Project would not impair the implementation of or physically interfere with the Colusa County Local Hazard Mitigation Plan Update (Colusa County 2024), including any emergency response or emergency evaluation. Colusa County has not formally adopted an emergency operations plan or emergency evacuation plan that applies to the Project area. See additional discussion in the 2.15 Public Services section herein regarding police and fire services, and details related to uniformly applied standards and regulations such as NFPA 855 and SB 38 which requires battery storage facilities to develop an emergency response plan in close coordination with local emergency response agencies, to establish a notification and communication procedure, and consider

potential offsite impacts to the surrounding community and environment. Therefore, impacts would be less than significant.

g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Less Than Significant Impact with Mitigation Incorporated. The Project site and the surrounding lands are not located within a CAL FIRE-designated Fire Hazard Severity Zone (FHSZ). The Project site and the surrounding lands do not currently contain terrain or vegetation that is conducive to the ignition or spread of a wildfire. There is extensive above-ground high-voltage electrical equipment already present in the Project area. Project components would be constructed from non-combustible materials and would comply with CFC requirements for BESS facilities (Section 1207), including battery management systems, fire detection and suppression systems, thermal management systems, and explosion control. In addition, Project components would be adequately separated (minimum of 10 feet per CFC Section 1207) from public streets, property lines, and surrounding vegetation to prevent a fire on a Project component from spreading onto adjacent properties. The Project will be required to comply with applicable building and fire code, including NFPA 855, would implement **MM-HAZ-1** in close coordination with local emergency response agencies, to establish a notification and communication procedure, and consider potential offsite impacts to the surrounding community and environment consistent with SB 38. See additional discussion in section 2.15 for more information regarding Fire response. As such, impacts would be less than significant with the incorporation of mitigation.

Mitigation Measures

MM-HAZ-1: Prior to commencement of any grading activity on-site, the applicant shall prepare an Emergency Response Plan and Hazard Mitigation Analysis for review and approval by the Willimas Fire Protection Authority.

2.10 Hydrology and Water Quality

2.10.1 Environmental Setting

The Project area is located within the Freshwater Creek watershed and Salt Creek subwatershed of the Sacramento Valley, which begins at Shasta Lake in the north and extends south to the Sacramento/San Joaquin Delta. The Sacramento Valley is approximately 3.5 million acres and is mostly characterized by the agricultural working landscape that lies between the foothills of the Sierra Nevada on the east and the Coast Ranges on the west. Nearly 2 million acres in the valley are used for irrigated crops, including orchards (stone fruit and nuts), rice, grain, pasture, vineyards, tomatoes, and a variety of other field crops (Sacramento River Watershed Program 2024). The Project area does not occur within a FEMA flood hazard zone (FEMA 2024).

A Preliminary Drainage Study was prepared for the Project (Kimley Horn 2024; Appendix I). The Project site is currently used as an agricultural orchard. In the existing condition, stormwater sheet flows north across the orchard and discharges into the existing drainage ditch along Walnut Drive, where it is conveyed into the public storm drain system.

2.10.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☒	☐	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site;	☐	☒	☐	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less Than Significant Impact with Mitigation Incorporated.

Construction

The Project site is relatively flat with minimal potential for concentrated runoff to occur. Construction of the Project would involve minor changes to on-site topography, which may increase the potential for erosion during storm events. The Project is not expected to generate any wastewater or hazardous waste during construction. However, equipment used during construction would contain hazardous materials such as hydraulic oil, diesel fuel, and other products contained within construction vehicles and equipment. The accidental release of these water quality pollutants could result in the degradation of water quality if they reach surface water bodies during storm events or are infiltrated into groundwater.

As required by the Clean Water Act and other federal regulations, any construction project that disturbs 1 acre of land or more must obtain coverage under the State Water Resources Control Board's NPDES Construction General Permit. The Construction General Permit requires the Applicant to prepare and implement a SWPPP. The purpose of a SWPPP is to identify and implement BMPs to reduce impacts to surface water from contaminated stormwater discharges. Development and implementation of the SWPPP would apply to both the construction and post-construction phases of the Project. Upon construction of the battery energy storage facilities, temporary BMPs would be implemented until such a time that vegetation has been restored or permanent BMPs are in place and functioning. With implementation of the NPDES Construction General Permit, including the preparation and implementation of a SWPPP and associated BMPs, the impact on water quality during construction would be temporary and less than significant.

Operation

The primary constituents of concern during the operational phase of the Project would be solids, oils, and greases from the proposed paved access road and driveway that could be carried off site. PDF-WQ-1, proper maintenance of vehicles and equipment to minimize incidental spills onto paved areas, would address the anticipated and expected pollutants of concern during the operational phase of the Project. Existing landscaping surrounding the Project in addition to the proposed landscape buffer would minimize the amount of runoff from the Project site by providing permeable areas for water infiltration and decrease runoff volume. Additionally, the proposed BESS components would be enclosed within storage containers, and battery fluids or substances would not be susceptible to spills or runoff.

As discussed in Section 2.9, Hazards and Hazardous Materials, the storage, use, transport, and disposal of hazardous materials are regulated by applicable federal, State, and local regulations. Compliance with federal, State and local requirements, as well as compliance with an HMBP, would serve to minimize the accidental release of hazardous materials. Therefore, impacts on water quality during operation of the Project would be temporary and less than significant.

Decommissioning

Decommissioning of the Project at the end of its useful life would include the removal of BESS equipment from the foundations, disconnection of wiring, and removal of site infrastructure, which would potentially result in soil erosion and incidental spills of hazardous materials such as hydraulic oil or diesel fuel. Similar to that described for construction, development and implementation of a SWPPP and associated BMPs during demolition and site restoration activities would minimize the potential for adverse water quality impacts. However, following decommissioning and site restoration, the Project site would be unpaved and

susceptible to long-term soil erosion, which could potentially result in adverse water quality impacts. Impacts would be less than significant with implementation of **MM-GEO-1**.

b) Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less Than Significant Impact.

Construction and Operation

Potential sources of water would be provided by either an improved existing on-site well or through an off-site source delivered by truck. The Project would require minimal amounts of water during its lifespan. The majority of the water demand would occur during construction, with water required for dust suppression and earthwork. It is anticipated that approximately 60 acre-feet of water would be used during construction activities. Operation of the Project would not result in a substantial increase in water demand as the BESS would require minimal water use for operation and maintenance activities.

Project construction would result in an increase in impervious surfaces and locally influence the amount of stormwater infiltration and recharge of the shallow aquifer. However, the site is located in a rural area with extremely limited paving. The amount of impervious surfaces introduced by the Project would be negligible in comparison to the surrounding area susceptible to groundwater recharge. Additionally, the Project would incorporate a detention basin to retain stormwater on site for infiltration, resulting in minimal effects to groundwater recharge. Therefore, the proposed Project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the Project may impede sustainable groundwater management of the basin. Impacts would be less than significant.

Decommissioning

Similar to that described for construction and operations, potential sources of water would be provided by either an improved existing on-site well or through an off-site source delivered by truck. The Project would require minimal amounts of water during its lifespan. The water demand during decommissioning would be similar to that described for construction.

Following decommissioning, all paving and equipment would be removed from the site, resulting in pervious ground, similar to existing conditions. As a result, the potential for groundwater recharge would be similar to existing conditions, resulting in no long-term recharge impacts.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) Result in substantial erosion or siltation on- or off-site?

Less Than Significant Impact with Mitigation Incorporated. Construction of the proposed Project would result in some grading activities. As discussed above, the Project site is relatively flat with minimal potential for concentrated runoff to occur. Additionally, the Applicant must obtain coverage under State Water Resources Control Board's NPDES Construction General Permit and implement a SWPPP. The SWPPP

would include BMPs to reduce runoff, erosion, and siltation. Therefore, impacts would be less than significant with implementation of **MM-GEO-1**.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

Less Than Significant Impact. Under the proposed Project, impervious surfaces would increase on-site in comparison to existing conditions, which in turn would result in increased stormwater runoff. A Preliminary Drainage Study (Kimley Horn 2024; Appendix I) assumed proposed gravel roads and pads would be pervious and concrete pads would be 100% impervious. The proposed site drainage conditions would generally follow the existing drainage pattern; however, runoff would sheet flow towards a proposed detention basin in the northern portion of the site, which would be 18 inches deep, 9,625 square feet, and have 4:1 (horizontal to vertical) side slopes. The proposed detention basin would be sized based on the increased runoff produced from the proposed site conditions for the 50-year storm for a 24-hour period. Colusa County has no published drainage design manual or guidelines; therefore, the detention basin sizing was based on direction from County staff to Kimley Horn.

With implementation of the proposed detention basin, the post-construction runoff rate (5.31 cubic feet per second) from the detention basin would be less than the existing site runoff rate (6.34 cubic feet per second). From the detention basin, stormwater would flow to the existing drainage ditch along Walnut Drive and then be conveyed into the public storm drain system. On-site runoff that exceeds the 50-year runoff detention sizing would discharge into the drainage ditch along Walnut Drive. Because post-construction runoff rates would be less than under existing conditions, the project would not increase the rate of runoff in a manner that would result in flooding on- or off-site. Therefore, impacts would be less than significant.

iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Less Than Significant Impact. As described above for Threshold c-ii, because post-construction runoff rates would be less than under existing conditions, and the proposed detention basin has been designed per County specifications, the Project would not create nor contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems. As discussed for Threshold a, PDFs would address the anticipated and expected pollutants of concern during the operational phase of the Project. As a result, impacts would be less than significant.

iv) Impede or redirect flood flows?

Less Than Significant Impact. The Project site is not located within a FEMA flood hazard zone (FEMA 2024). In addition, the Project would include a detention basin to retain 50-year stormwater flows on the Project site and reduce the runoff rate from the Project site as compared to the existing site runoff rate. Therefore, the Project would not impede or redirect flood flows and impacts would be less than significant.

d) In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?

No Impact. According to the FEMA Flood Insurance Rate Map (FEMA 2024) and the Colusa County Local Hazard Mitigation Plan (Colusa County 2024), the Project site is not within a 100-year flood zone or dam

inundation zone. The Project site is located approximately 80 miles east of the Pacific Ocean and not in proximity to an enclosed body of water susceptible to seiches. Therefore, the Project site is not at risk of being inundated by a tsunami or seiche and no impacts would occur.

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less Than Significant Impact. The Project is located within the Sacramento River Hydrologic Region and is subject to the applicable requirements of the Water Quality Control Plan for the Sacramento and San Joaquin River Basins (i.e., the Basin Plan), which is administered by the Central Valley Regional Water Quality Control Board, in accordance with the Porter Cologne Water Quality Control Act. As discussed above in Threshold a, the Project would include required BMPs and drainage control requirements that would be consistent with protection of beneficial uses of receiving streams and underlying groundwater, as identified in the Basin Plan. As a result, the Project would not conflict with or obstruct implementation of a water quality control plan and impacts would be less than significant.

The Project site overlies the Colusa Subbasin of the Sacramento Valley Groundwater Basin, which is a medium to high priority basin with respect to Sustainable Groundwater Management Act basin prioritization (DWR 2025). Groundwater sustainability agencies within the Colusa Subbasin include the Colusa Groundwater Authority and the Glenn Groundwater Authority, which have collectively submitted a groundwater sustainability plan (GSP) to the Department of Water Resources. The GSP was originally submitted on January 28, 2022, but was considered incomplete by the Department of Water Resources and therefore resubmitted on April 22, 2024. The GSP is currently under review by the Department of Water Resources (DWR 2025). Potential sources of water for the Project include either an on-site improved existing well or through off-site source delivered by truck. Any potential groundwater withdrawals for Project grading and construction would be completed in accordance with the Colusa Subbasin GSP, thus preventing any deleterious effects to the Colusa Subbasin of the Sacramento Valley Groundwater Basin. As a result, the Project would not conflict with or obstruct implementation of a sustainable groundwater management plan and impacts would be less than significant.

2.11 Land Use and Planning

2.11.1 Environmental Setting

The Project site is located in rural Colusa County and is designated as AG per the Colusa County General Plan. The Project site is zoned as E-A per the Colusa County Zoning Code. Pursuant to the Colusa County Zoning Code, energy generation for off-site use is an allowable use in the E-A Zone, subject to obtaining a Use Permit. Adjacent land on all sides of the proposed Project is also zoned as E-A.

2.11.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

a) Would the project physically divide an established community?

No Impact. The Project site is located outside of the Williams city limits and is, therefore, not located within an established community. The land around the Project is primarily developed with orchards and rural residential properties. Therefore, the proposed Project would not divide an established community, and there would be no impacts.

b) Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less Than Significant Impact. The proposed Project is comprised of two parcels: Colusa County APN 016-290-097 and 016-290-097. The zoning designation for both parcels is E-A. The Colusa County Zoning Code addresses allowable uses in the E-A zoning district, which allows energy generation for off-site use if a Use Permit is approved by the Colusa County Planning Commission.

The Project site is surrounded by primarily agricultural uses, with scattered single-family residences and an existing transmission line located along Walnut Drive and the PG&E Cortina Substation and several existing transmission lines located to the west. Aerial imagery from the 1950s to present shows minimal changes in land cover, with the exception of the expansion of Cortina Substation.

The development of the proposed Project would be consistent with the existing land use designation and zoning and would not require a General Plan or rezone. The Project would also be consistent with all applicable development standards and design guidelines and would be developed in accordance with the industrial vision of the Sustainable Plan area. The Applicant would be required to obtain a Conditional Use Permit to construct, operate, maintain, and decommission the Project. The Use Permit application would be processed by the County in accordance with Section 44-1.080.030 of the Colusa County Zoning Code. The Use Permit would contain conditions of approval that ensure the Project would be consistent with the Colusa County General Plan, zoning code, and other applicable laws and regulations. As such, impacts associated with the development of the proposed Project would not conflict with applicable Colusa County General Plan, Zoning, or other County land use plans, policies, or other regulations that have been adopted

for the purpose of avoiding or mitigating environmental effects and would result in less than significant land use impacts.

2.12 Mineral Resources

2.12.1 Environmental Setting

A review was conducted of maps provided by the California Department of Conservation. The Project site has not been mapped by the California Geological Survey and is not mapped as a Mineral Resource Zone (California Department of Conservation 2024c).

2.12.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES – Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

a) ***Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?***

No Impact. The Project area has not been mapped by the California Geological Survey (California Department of Conservation 2024c). Thus, there are no known mineral resources of value at the Project site. The Project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state, and no impact would occur.

b) ***Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?***

No Impact. The Project site is not mapped as a locally important Mineral Resource Zone (California Department of Conservation 2024c). Therefore, the Project would not result in a loss of a locally important mineral resource, and no impact would occur.

2.13 Noise

2.13.1 Environmental Setting

Noise is defined as unwanted sound. Sound may be described in terms of level or amplitude (measured in decibels [dB]), frequency or pitch (measured in hertz or cycles per second), and duration (measured in seconds or minutes). The standard unit of measurement of the amplitude of sound is the dB. Because the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale is used to relate noise to human sensitivity. The A-weighted decibel scale (dBA) performs this compensation by discriminating against low and very high frequencies in a manner approximating the sensitivity of the human ear. Several descriptors of noise (noise metrics) exist to help predict average community reactions to the adverse effects of environmental noise, including traffic-generated noise, on a community. These descriptors include the equivalent noise level over a given period (L_{eq}), the statistical sound level, the day–night average noise level (L_{dn}), and the community noise equivalent level (CNEL). Each of these descriptors uses units of dBA. Table 2.13-1 provides examples of A-weighted noise levels from common sounds. In general, human sound perception is such that a change in sound level of 3 dB is barely noticeable; a change of 5 dB is clearly noticeable; and a change of 10 dB is perceived as doubling or halving of the sound level.

Table 2.13-1. Typical Sound Levels in the Environment and Industry

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
—	110	Rock band
Jet flyover at 300 meters (1,000 feet)	100	—
Gas lawn mower at 1 meter (3 feet)	90	—
Diesel truck at 15 meters (50 feet), at 80 kilometers per hour (50 mph)	80	Food blender at 1 meter (3 feet) Garbage disposal at 1 meter (3 feet)
Noisy urban area, daytime gas lawn mower at 30 meters (100 feet)	70	Vacuum cleaner at 3 meters (10 feet)
Commercial area Heavy traffic at 90 meters (300 feet)	60	Normal speech at 1 meter (3 feet)
Quiet urban daytime	50	Large business office Dishwasher, next room
Quiet urban nighttime	40	Theater, large conference room (background)
Quiet suburban nighttime	30	Library
Quiet rural night time	20	Bedroom at night, concert hall (background)
—	10	Broadcast/recording studio
Lowest threshold of human hearing	0	Lowest threshold of human hearing

Source: Caltrans 2013.
Note: dBA = A-weighted decibels.

L_{eq} is a sound energy level averaged over a specified period (typically no less than 15 minutes for environmental studies). L_{eq} is a single numerical value that represents the amount of variable sound energy received by a receptor during a time interval. For example, a 1-hour L_{eq} measurement would represent the average amount of energy contained in all the noise that occurred in that hour. L_{eq} is an effective noise descriptor because of its ability to

assess the total time-varying effects of noise on sensitive receptors. L_{max} is the greatest sound level measured during a designated time interval or event.

Unlike the L_{eq} metrics, L_{dn} and CNEL metrics always represent 24-hour periods, usually on an annualized basis. L_{dn} and CNEL also differ from L_{eq} because they apply a time-weighted factor designed to emphasize noise events that occur during the evening and nighttime hours (when speech and sleep disturbance is of more concern). "Time weighted" refers to the fact that L_{dn} and CNEL penalize noise that occurs during certain sensitive periods. In the case of CNEL, noise occurring during the daytime (7:00 a.m.–7:00 p.m.) receives no penalty. Noise during the evening (7:00 p.m.–10:00 p.m.) is penalized by adding 5 dB, while nighttime (10:00 p.m.–7:00 a.m.) noise is penalized by adding 10 dB. L_{dn} differs from CNEL in that the daytime period is defined as 7:00 a.m.–10:00 p.m., thus eliminating the evening period. L_{dn} and CNEL are the predominant criteria used to measure roadway noise affecting residential receptors. These two metrics generally differ from one another by no more than 0.5 dB to 1 dB and as such, are often treated as equivalent to one another.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration can be a serious concern, causing buildings to shake and rumbling sounds to be heard. In contrast to noise, vibration is not a common environmental problem. It is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads. Some common sources of vibration are trains, buses on rough roads, and construction activities, such as blasting, pile driving, and heavy earthmoving equipment.

Peak Particle Velocity (PPV) is most frequently used to describe vibration impacts and is usually measured in inches per second. High levels of vibration may cause physical personal injury or damage to buildings. However, vibration levels rarely affect human health. Instead, most people consider vibration to be an annoyance that can affect concentration or disturb sleep. In addition, high levels of vibration can damage fragile buildings or interfere with equipment that is highly sensitive to vibration (e.g., electron microscopes). Most perceptible indoor vibration is caused by sources within buildings, such as operation of mechanical equipment, movement of people, or slamming of doors. Typical outdoor sources of perceptible vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If the roadway is smooth, the vibration from traffic is rarely perceptible.

Sensitive Receptors

Noise- and vibration-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, guest lodging, libraries, and some passive recreation areas would be considered noise and vibration sensitive and may warrant unique measures for protection from intruding noise. The nearest sensitive receptors to the Saloon Energy Storage project site include rural single-family residences to the north, east, south, and west. Refer to Figure 6 (Sensitive Receptors) for the locations of these nearby residences. These sensitive receptors represent the nearest land uses with the potential to be impacted by construction and operation of the Proposed Project.

Existing Noise Conditions

Noise measurements were conducted near the Saloon Energy Storage project site on January 8, 2025, to characterize the existing noise levels (Figure 7, Ambient Noise Measurement Locations). The noise measurements were taken using a Rion NL-62 sound level meter equipped with a 0.5-inch, pre-polarized condenser microphone

with pre-amplifier. The sound level meter meets the current American National Standards Institute standard for a Type 1 (Precision) sound level meter. The accuracy of the sound level meter was verified using a field calibrator before and after the measurements, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

Four short-term noise measurement locations (ST1–ST4) were conducted adjacent to nearby noise-sensitive land uses. The measured L_{eq} and maximum noise levels are provided in Table 2.13-2. The field noise measurement data sheets are provided in Appendix J. The primary noise source was traffic on the local roadways; secondary noise sources included distant aircraft overflights, birds, and distant industrial noise. As shown in Table 2.13-2, the measured sound levels ranged from approximately 37 to 72 dBA L_{eq}.

Table 2.13-2. Measured Noise Levels

Receptors	Location	Date	Time	L_{eq} (dBA)	L_{max} (dBA)
ST1	North of project site along Walnut Dr	1/8/25	2:34 p.m.–2:49 p.m.	63	77
ST2	East of project site along Walnut Dr and adjacent to nearby residences	1/8/25	2:54 p.m.–3:09 p.m.	65	78
ST3	East of project site and ST2 along Walnut Dr and adjacent to nearby residences	1/8/25	3:13 p.m.–3:28 p.m.	72	87
ST4	Southeast of project site along Hill Rd and adjacent to nearby residences	1/8/25	12:28 p.m.–12:43 p.m.	37	50

Source: Appendix J.
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; L_{max} = maximum sound level during the measurement interval.

Regulatory Setting

Colusa County General Plan

The Colusa County General Plan ("General Plan") identifies the County's vision for the future and provides a framework to guide decisions on growth, development, and conservation of open space and resources (Colusa County 2012). General Plan policies related to noise that are relevant to the proposed Project include:

Goal N-1: Protect people from the harmful and annoying effects of exposure to excessive noise.

Objective N 1-A: Ensure that Existing and Planned Land Uses are Compatible with the Current and Projected Noise Environment.

Policy N 1-1: New proposed stationary noise sources shall not result in noise levels that exceed the standards of Table N-1, as measured immediately within the property line of lands designated for noise sensitive uses.

Policy N 1-2: Ensure that noise sources do not interfere with sleep by applying an interior maximum noise level criterion (Lmax) of 45 dBA in sleeping areas, for sensitive receptors.

Policy N 1-6: Require new land use development proposals to address potential stationary and mobile noise impacts and land use incompatibilities from aircraft noise, train travel, and truck travel.

Objective N 1-C: Encourage the Application of State of the Art Land Use Planning Methodologies in Areas of Potential Noise and Vibration Conflicts.

Policy N 1-12: Where noise mitigation measures are required to achieve the standards of Tables N-1 or N-2, the emphasis of such measures shall be placed upon site planning and project design. The use of noise barriers shall be considered a means of achieving the noise standards only after all other practical design-related noise mitigation measures have been considered and integrated into the project. Landscaped berms shall be considered as a preferred mitigation option over sound walls.

Policy N 1-13: An acoustical analysis shall be prepared and submitted to the County according to the requirements of Table N-3 when:

- Noise sensitive land uses are proposed in areas exposed to existing or projected noise levels exceeding the Table N-1 (stationary) or Table N-2 (mobile) noise level standards.
- A proposed project has the potential to create new noise levels exceeding the noise level standards of Table N-1 or Table N-2.

Policy N 1-15: As part of the review of new development projects, consider vibration impacts and require mitigation to reduce any significant adverse impacts to the maximum extent feasible and practical.

Policy N 1-16: In making a determination of impact under the California Environmental Quality Act (CEQA), a significant impact will occur if the project results in an exceedance of the noise level standards contained in the Noise Element, or the project will result in an increase in ambient noise levels by more than 3 dB.

Policy N 1-17: Require use of site design measures, such as the use of building design and orientation, buffer space, use of berms, and noise attenuation measures applied to the noise source, to reduce impacts to the maximum extent feasible and practical before mitigating noise impacts through use of sound walls. The use of sound walls or noise barriers to attenuate noise from existing noise sources is discouraged, but may be allowed if the wall is architecturally incorporated into the project design, blends into the natural landscape, and does not adversely affect significant public view corridors.

The table in the Noise Element referred to as Table N-1 is shown below as Table 2.13-3.

Table 2.13-3. Exterior and Interior Noise Level Performance Standards for Projects Affected by or Including Non-transportation Noise Sources

Type of Use	Interior Noise Level Standard	Exterior Noise Level Leq (dBA)	
		Day Time (7 a.m. to 10 p.m.)	Nighttime (10 p.m. to 7 a.m.)
All sensitive land uses	45 dBA L_{max}	55 dBA	45 dBA
New residential affected by existing seasonal agricultural noise	40 dBA L_{dn}	N/A	N/A

Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; L_{max} = maximum sound level during the measurement interval; L_{dn} = day–night noise level.

Colusa County Zoning Code

Chapter 13-6 of the Colusa County Zoning Code sets noise limits applicable to Project operations and are shown in Table 2.13-4.

Table 2.13-4. Colusa County Zoning Code Noise Limits

	Time Period	L_{eq} (dBA)
Residential	(9 p.m. to 7 a.m.)	50
	(7 a.m. to 9 p.m.)	55
Agricultural/Commercial/Industrial	(9 p.m. to 7 a.m.)	55
	(7 a.m. to 9 p.m.)	60

Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels.

Chapter 13-8 of the Colusa County Zoning Code sets noise restrictions applicable to Project construction:

> b) Construction and Landscape Maintenance Equipment. Notwithstanding any other provision of this chapter, between the hours of seven a.m. and seven p.m. on Mondays through Fridays, and between the hours of eight a.m. and eight p.m. on Saturdays and Sundays, construction, alteration, repair, or maintenance activities which are authorized by valid county permit or business license, carried out by employees or contractors of the county, or private activities not requiring a permit shall be allowed if they meet at least one of the following noise limitations:
>
> 1. No individual piece of equipment produces a noise level exceeding eighty-three dBA at a distance of twenty-five feet. If the device is housed within a structure on the property, the measurement shall be made outside the structure at a distance as close to twenty feet from the equipment as possible.
> 2. The noise level at any point outside of the property plane of the project does not exceed eighty-six dBA.

2.13.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE – Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant Impact With Mitigation Incorporated.

Construction

One of the most extensive and widely used databases for sound levels from motorized or powered equipment is the Federal Highway Administration Roadway Construction Noise Model. While the focus of data compilation was for equipment that would typically be employed for the construction of transportation facilities, the list is comprehensive enough to be useful in assessing sound levels for nearly every construction activity for which powered equipment is used. Table 2.13-5 provides an excerpt from the Roadway Construction Noise Model of the sound levels generated by various powered equipment that could be associated with construction of the project. Note that the equipment noise levels presented in Table 2.13-5 are maximum noise levels. Usually, construction equipment operates in alternating cycles of full power and low power, producing average noise levels over time that are less than the maximum noise level. The average sound level of construction activity also depends on the amount of time that the equipment operates and the intensity of construction activities during that time.

Table 2.13-5. Selected Powered Equipment Noise Emission Levels from the Roadway Construction Noise Model

Equipment	Maximum Sound Level (dBA L_{max}) – 50 feet from Source
Air Compressor	81
Backhoe	80
Compactor	82
Concrete Mixer	85
Crane, Mobile	83
Dozer	85
Generator	81
Grader	85
Loader	85

Table 2.13-5. Selected Powered Equipment Noise Emission Levels from the Roadway Construction Noise Model

Equipment	Maximum Sound Level (dBA L_{max}) – 50 feet from Source
Paver	89
Pneumatic Tool	85
Pump	76
Roller	74
Saw	76
Scraper	89
Truck	88

Source: FHWA 2006a, 2006b.
Notes: dBA = decibel (A-weighted); Lmax = maximum sound level during the measurement interval.

Noise emissions from the construction phases of the project were estimated based upon construction scenario information provided by the project applicant, including phasing, equipment inventory, and vehicle trips, and CalEEMod default values when project specifics were not known. The construction equipment inventory used for estimating the project-generated construction noise emissions are found in Appendix J.

A Microsoft Excel–based noise prediction model emulating and using reference data from the FHWA Roadway Construction Noise Model was used to estimate construction noise levels at the nearest noise-sensitive land uses (i.e., residences), based upon the distance between the closest project construction boundary and these residences. Aggregate noise emission from project construction activities, broken down by sequential phase of construction activity, were predicted for the worst-case construction activity occurring along the closest construction boundary to the off-site closest residences. Dudek compared predicted construction noise levels to the recommended Federal Transit Administration (FTA) construction noise exposure standard and to measured ambient noise levels.

Construction noise modeling was performed to predict worst-case construction noise levels at the closest noise-sensitive uses to the site, including: residences on the adjacent agriculture parcel to the west (R1 and R2) located approximately 215 feet and 90 feet respectively from the closest boundary of the future construction zone for the project; a residence on the adjacent agriculture parcel to the north (R3) located approximately 325 feet from the closest boundary of the future construction zone for the project; a residence on the agricultural parcel to the east (R4) located approximately 700 feet from the closest boundary of the future construction zone for the project; and, a residence on the adjacent agriculture parcel to the northeast (R5) located approximately 1,190 feet from the closest boundary of the future construction zone for the project; a residence on the adjacent agriculture parcel to the southeast (R6) located approximately 2,335 feet from the closest boundary of the future construction zone of the project; a residence on the agricultural parcel to the east (R7) located approximately 2,330 feet from the closest boundary of the future construction zone for the project; and, a residence on the adjacent agriculture parcel to the northeast (R8) located approximately 2,900 feet from the closest boundary of the future construction zone for the project.

The modeled construction noise prediction is worst-case because it assumes all the equipment in a given phase is operating along the construction zone boundary that is closest to the identified off-site receiver. The above minimum distance separation assumption would not be representative of more typical

construction noise, because in general the construction activities would not take place either at the nearest or at the farthest portions of the project site, but somewhere in between. Thus, the construction noise analysis provides conservative, worst-case results in terms of construction noise exposure for the modeled off-site receivers.

The final phase evaluated, decommissioning, addresses the process of removing all site development at the end of the useful life of the project. Table 2.13-6 provides a summary of the construction noise modeling; detailed information is provided in Appendix J. Refer to Figure 6 for the location of the modeled residential receivers (R1 – R8) identified in Table 2.13-6.

Table 2.13-6. Construction Noise Levels at Nearest Off-Site Receptors by Phase

Phase	Construction Noise Level $L_{eq\ 8\text{-}hr\ /\ 1\ hr}$ (dBA)							
	R1	R2	R3	R4	R5	R6	R7	R8
(1) Site Preparation	59	62	60	54	49	42	42	40
(2) Grading	62	65	63	57	52	45	45	42
(3) Battery / Container Installation	55	53	47	46	42	38	38	35
(4) Substation Installation	54	55	52	49	45	37	39	37
(5) Intertie Line Site Preparation	63	73	59	47	45	36	38	35
(6) Intertie Line Foundation and Tower Erection	63	73	59	47	45	36	38	36
(7) Intertie Line Stringing and Pulling	58	68	54	43	40	31	33	31
(8) Decommissioning	64	67	65	60	55	47	47	45
Highest Noise Level Across All Phases	**64**	**73**	**65**	**60**	**55**	**47**	**47**	**45**

Source: Appendix J.
Notes: Leq = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels.

The FTA has adopted a guideline for daytime construction noise exposure at residential land uses, which has been applied to the predicted construction noise levels at the closest existing residences to the Project Site. The FTA guideline is a maximum of 80 dBA L_{eq} which is averaged over a typical 8-hour construction day. Assuming construction activity intensity is similar across the 8-hour construction day, the L_{eq} value for the FTA 8-hour averaging period would be equal to the L_{eq} 1hr value for any given hour within the 8-hour construction window (hence the labeling of L_{eq} 8-hr / 1 hr in the results columns of Table 2.13-6). As reported in Table 2.13-6, construction noise levels are not predicted to exceed the FTA recommended maximum of 80 dBA L_{eq} 8-hr at any modeled noise-sensitive receiver.

However, the Colusa County General Plan Noise Element restricts construction noise to no greater than 86 dBA L_{eq} at the property boundary of the Project Site. Table 2.13-7 illustrates the predicted construction noise levels at the Project Site property boundaries, without and with an 8-foot high barrier along the property boundary.

Table 2.13-7. Construction Noise Levels at Project Site Property Boundaries Without and With 8-foot Property Line Noise Barrier

Phase	Noise Level $L_{eq\ 1\ hr}$ (dBA)	
	Construction Noise Level without Barrier	Construction Noise Level with Barrier
(1) Site Preparation	85	73
(2) Grading	**88**	76
(3) Battery / Container Installation	79	68
(4) Substation Installation	76	66
(5) Intertie Line Site Preparation	85	73
(6) Intertie Line Foundation and Tower Erection	85	73
(7) Intertie Line Stringing and Pulling	81	69
(8) Decommissioning	**91**	79
Highest Noise Level Across All Phases	91	79

Source: Appendix J.
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; **Bolded** values indicate a noise level exceeding the applicable limit.

As shown in Table 2.13-7, the construction noise levels at the Project Site property boundaries during the grading and decommissioning phases without any barrier in place would exceed the Colusa County limit of 86 dBA L_{eq}. This exceedance of the construction noise standard would be a potentially significant impact. With incorporation of a temporary 8-foot high noise barrier along the property boundary (**MM NOI-1**), noise levels from construction activities would be reduced to a level of less than significant. Table 2.13-7 also illustrates the residual construction noise levels along the Project Site property line with the 8-foot barrier in place. Table 2.13-8 provides a comparison of the highest construction related noise levels from all construction phases to daytime ambient noise exposure at the closest noise-sensitive land uses.

Table 2.13-8. Highest Construction Noise Levels for any Phase Compared to Daytime Ambient Noise Levels at Modeled Noise-Sensitive Receivers

Receiver	Noise Level $L_{eq\ 1\ hr}$ (dBA)		
	Highest Construction Noise Level	Daytime Ambient Noise Level	Increase
R1	64	63	1
R2	73	63	10
R3	65	63	2
R4	60	65	0
R5	55	65	0
R6	47	37	10
R7	47	72	0
R8	45	72	0

Source: Appendix J.

As reported in Table 2.13-8, noise levels during the construction phase with the greatest intensity would result in a temporary increase of up to 10 dBA Leq over existing daytime ambient noise levels at the vicinity

residences represented by R2 and R6. This increase would be perceived as a doubling of the ambient noise level, which would be readily noticeable and would also likely result in annoyance for occupants of these residences. Short-term construction noise level increases over ambient noise levels are therefore considered a potentially significant impact. With incorporation of a temporary 8-foot high noise barrier along the property boundary (**MM NOI-1**), however, noise level increases from construction activities would be reduced to a level of less than significant. It should be noted that noise levels up to 73 dBA Leq are not considered hazardous or harmful (hearing protection for construction workers is required for noise levels greater than 80 dBA Leq), and therefore residents spending time in yard areas would not be exposed to harmful construction noise levels (even without mitigation).

Operation

Less Than Significant Impact. Long-term (i.e., operational) noise associated with the Proposed Project would primarily consist of noise from on-site mechanical and electro-mechanical equipment such as HVAC equipment associated with the BESS units and the noise from the inverters and transformers. Once operational, the Proposed Project would not create or require a substantial number of Project-related trips. Although vehicle trips would occur for periodic inspection and maintenance, the number of such trips would be negligible and, thus, less than significant.

Prediction of operation noise attributed to the project involved creation of a sound propagation model using the CadnaA software program. CadnaA (Computer Aided Noise Abatement) is a commercially available computer-modeling program for calculation, presentation, assessment, and prediction of environmental noise. Estimated sound emission from the CATL model EnerC+ 306 Containers (i.e., noise from operation of the cooling units for the battery containers), SMA PCS, which include inverter and medium-voltage transformer), and a generator-step-up transformer were entered into the CadnaA computer model. The outdoor noise propagation formulas in CadnaA follow the International Organization for Standardization Standard 9613-2, "Attenuation of Sound During Propagation Outdoors, Part 2: General Method of Calculation" (ISO 2024). Project features are input as sound sources in the CadnaA three-dimensional (3-D) model space and defined with the following assumptions and available project design information (refer to Figure 4, Site Plan):

CATL model EnerC+ 306 Containers - CATL provided sound test results for the EnerC+ 306 Containers with available sound reduction kit (referred to as a "soundproof cover" which consists of a sound baffle over the air intake and exhaust openings of the container). Dudek used the reported sound level for 70% fan speed, representing a level of average operating conditions. Testing results indicate a sound power level of level of 81 dBA LW. This value was entered into CadnaA to represent each battery enclosure container.

SMA MV Power Station 4600-S2 – This PCS includes a bi-directional inverter (SMA Sunny Central 3950 UP-US) and a medium-voltage transformer. SMA provided sound test results for the 3950-UP-US system. The reported reference sound level for the 3950-UP-US is 61 dBA L_{eq} at 10 meters (32.8 feet) with an available air-intake sound baffle. For the medium-voltage transformer in each PCS, the sound pressure level is estimated to be 40 dBA (sound pressure level at 10 meters) based on assumed capacity and using the NEMA TR-1 table. Since the sound generation level for the inverter is more than 10 dBA L_{eq} greater than the transformer, the combined source sound level for a PCS would 61 dBA L_{eq} at 10 meters. This value was entered into CadnaA to represent each PCS.

Step-up Transformer – The A-weighted sound power level of the step-up transformer was estimated with the same aforementioned guidance from the Edison Electric Institute, using 110 MVA as the anticipated load at full project site capacity. The generator-set-up transformer sound power was input to the model space as a horizontal area source (roughly consistent with the footprint of the equipment on the available site plan).

Calculation parameters that establish how the CadnaA model predicts combined noise level from these above-listed Project sources include as follows:

- Sound propagation per International Organization for Standardization 9613-2 (ISO 2024);
- Ground acoustical absorption coefficient = 1 (on a scale of 0 = reflective, 1 = absorptive); and
- One order of reflection.

Table 2.13-9 presents the results of the operational noise modeling based on continuous operation of all project mechanical equipment across an hour, and compares these operational noise levels to limits established under the Colusa County Noise Element Table N-1. Receiver locations are illustrated in Figure 6.

Table 2.13-9. Project Operational Noise Levels Compared to County Code Limits

Receiver ID	Predicted Operational Noise Level (dBA L_{eq})	Colusa County Nighttime (9:00 p.m. to 7:00 a.m.) Noise Limit (dBA L_{eq})	Exceeds Limit?
R1	45	45	NO
R2	45	45	NO
R3	41	45	NO
R4	40	45	NO
R5	36	45	NO
R6	31	45	NO
R7	31	45	NO
R8	29	45	NO

Source: Dudek – CadnaA modeling.
Notes: dBA = A-weighted decibels; L_{eq} = equivalent noise level.

As indicated in Table 2.13-9, facility operational noise with all equipment in operation would result in noise levels at the closest existing residences that are compliant with the Colusa County Noise Element Table N-1 nighttime noise limit (the most stringent standard, which is applicable because the facility would operate day and night).

Table 2.13-10 presents the results of the operational noise modeling based on continuous operation of all project mechanical equipment across an hour, and compares these operational noise levels to modeled ambient noise levels at the selected nearby receivers. Receiver locations are illustrated in Figure 6.

Table 2.13-10. Project Operational Noise Levels Compared to Ambient

Receiver ID	Lowest Recorded Hourly Average (dBA L_{eq})	Predicted Operational Noise Level (dBA L_{eq})	Existing + Project (dBA L_{eq})	Increase (dBA L_{eq})
R1	63	45	63	0
R2	63	45	63	0

Table 2.13-10. Project Operational Noise Levels Compared to Ambient

Receiver ID	Lowest Recorded Hourly Average (dBA L_{eq})	Predicted Operational Noise Level (dBA L_{eq})	Existing + Project (dBA L_{eq})	Increase (dBA L_{eq})
R3	63	41	63	0
R4	65	40	65	0
R5	65	36	65	0
R6	37	31	37	0
R7	72	31	72	0
R8	72	29	72	0

Source: Dudek – CadnaA modeling.
Notes: dBA = A-weighted decibels; L_{eq} = equivalent noise level.

As indicated in Table 2.13-10, operation of the project would not result in an increase in the ambient noise levels at the modeled noise sensitive receptors closest to the project site. Therefore, the project would result in **no impact** with respect to an increase in ambient noise level. CadnaA calculates the noise level across the entire grid that encompasses the project site and adjacent areas. Figure 8, Predicted Stationary Source Operation Noise from Proposed Project, graphically represents the noise model results, providing noise contours extending outward from the proposed project to illustrate the hourly noise level from operation of the project.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact. California Department of Transportation has been assembling data for vibration levels generated by heavy construction equipment operation during the building of transportation projects for many years. The vibration levels from use of such equipment are representative for other types of construction efforts and are therefore widely employed to assess vibration levels from heavy equipment use for any effort. According to the California Department of Transportation (Caltrans 2020) the most important equipment relative to generation of vibration, and the vibration levels produced by such equipment, are illustrated in Table 2.13-11.

Table 2.13-11. Vibration Velocities for Typical Construction Equipment

Equipment	PPV at 25 Feet (Inches Per Second)
Large Bulldozer	0.089
Loaded Trucks	0.076
Drill Rig / Auger	0.089
Jackhammer	0.035
Small Bulldozer	0.003

Source: Caltrans 2020.

The vibration level produced by the equipment listed in Table 2.13-11 is reported for a distance of 25 feet from the equipment. To determine the vibration level for a receiver at a distance other than 25 feet from the equipment, the following formula may be used:

$$\text{Peak particle velocity at distance (d)} = \text{peak particle velocity}(d_{ref}) * (d_{ref}/d)^{1.5}$$

In the above equation, "d" is the distance between the receiver and a vibration source, "d_{ref}" is the reference distance that applies for the indicated vibration magnitude.

The California Department of Transportation has collected ground-borne vibration information related to construction activities indicating that continuous vibrations with a PPV of approximately 0.1 inches/second begin to annoy people (Caltrans 2020). The heavier pieces of construction equipment, such as a large bulldozer or auger drill rig, would have PPVs of approximately 0.089 inches/second or less at a distance of 25 feet (Caltrans 2020).Using the above formula for vibration attenuation over distance, vibration levels at the nearest noise/vibration-sensitive receptor (approximately 90 feet), the PPV vibration level from use of a large bulldozer would be approximately 0.013 inches/second. For a loaded truck, the vibration level at this closest receptor would be 0.011 PPV inches/second. These vibration levels would be well below the vibration threshold of potential annoyance of 0.1 inches/second, and smaller equipment would generate even lower vibration levels.

The major concern with regard to construction vibration is related to building damage. Construction vibration as a result of the Proposed Project would not result in structural building damage, which typically occurs at vibration levels of 0.5 inches/second or greater for buildings of reinforced-concrete, steel, or timber construction. The heavier pieces of construction equipment used would include typical construction equipment for this type of project, such as bulldozers, backhoes, and flatbed or dump trucks. Pile driving of large columns, blasting, and other special construction techniques would not be used for construction of the Proposed Project; therefore, excessive ground-borne vibration and ground-borne noise would not be generated. Vibration levels from Project construction would be less than the thresholds of annoyance and potential for structural damage. Operation of the Proposed Project would not result in any sources of vibration. Therefore, impacts would be less than significant.

c) ***For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?***

No Impact. No public airports or private airstrips are located within 5 miles of the Project Site (AirNav 2024). The closest airport to the Project Site is Williams Airport/Glider port, which is on the east side of Williams, approximately 5.1 miles away. Williams Airport is a private facility, with no control tower, and therefore aircraft from outside the area typically do not use this facility. There are no published noise contours for Williams Airport, but at a distance of 5 miles from the Project Site, it is not anticipated that airport operations would result in ambient noise in the Project Vicinity that exceeds 60 dBA L_{dn}. Therefore, air traffic noise associated with this airport would not expose construction workers or operational staff to excessive noise levels. Therefore, no impacts associated airport or air traffic noise would occur.

Mitigation Measures

MM-NOI-1: Prior to grading permit issuance, Colusa County shall ensure the following:

- A temporary noise barrier 8 feet in height shall be erected and maintained along the Project Site property boundary during the grading phase.
- A temporary noise barrier 8 feet in height shall be erected and maintained at the Project Site property boundary along the east and south property boundaries for the parcel occupied by R2, during all phases of project construction.

- Temporary noise barriers shall provide attenuation of at least 25 STC (Sound Transmission Class), which may be achieved with exterior rated sound blankets affixed to standard chain-link fence support systems.
- During construction, stationary construction equipment shall be placed such that emitted noise is directed away from or shielded from sensitive noise receivers.
- During construction, stockpiling and vehicle staging areas shall be located as far as practical from noise sensitive receptors.
- Construction activities should be limited to the hours of 7:00 a.m. to 5:00 p.m., Monday through Friday, or 8:00 a.m. to 5:00 p.m. on Saturdays.

2.14 Population and Housing

2.14.1 Environmental Setting

The Project site is located in unincorporated Colusa County, approximately 4.5 miles southwest of the City of Williams. The Project site is vacant and has no habitable buildings, structures, or development. Scattered single-family residences are present in the surrounding area, as shown on Figure 3.

2.14.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. POPULATION AND HOUSING – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

a) ***Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?***

Less Than Significant Impact. The proposed Project would not induce substantial population growth. It does not propose any housing or commercial development, nor does it propose any significant extension of roads or infrastructure. No change in the County's population or housing would occur with implementation of the proposed Project. Construction jobs would be short term and are expected to be filled mostly by the existing

workforce and sourced from the surrounding communities. During operations, the proposed Project would be operated remotely, apart from periodic on-site personnel visitations for maintenance. These intermittent site visits would not create any permanent or substantial demand for housing, goods, or services in the area and would not induce substantial population growth in the County or surrounding communities. Therefore, impacts to population growth would be less than significant.

b) Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The proposed Project does not propose any housing or commercial development, nor does it propose any significant extension of roads or infrastructure. No change in the County population or housing would occur with implementation of the proposed Project. Therefore, the proposed Project would not materially affect regional population levels and no impact would occur.

2.15 Public Services

2.15.1 Environmental Setting

The nearest County fire station to the Project site is the Williams Fire Department, located at 810 E Street in the City of Williams, approximately 5.8 road miles northeast of the Project site. Police protection services would be provided by the Colusa County Sheriff's Department, located at 929 Bridge Street in the City of Colusa, approximately 15.3 road miles northeast of the Project site.

2.15.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. PUBLIC SERVICES – Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection	☐	☐	☒	☐
Police protection?	☐	☐	☒	☐
Schools?	☐	☐	☐	☒
Parks?	☐	☐	☐	☒
Other public facilities?	☐	☐	☐	☒

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

Fire protection?

Less Than Significant Impact. The Project would not involve the creation of new habitable structures or new population growth that could generate increased demand for fire protection services. During construction, there would be workers, machinery, construction supplies, and hazardous materials such as hydraulic oil, diesel fuel, lubricants, solvents, adhesives, paints, and other petroleum-based products contained in construction vehicles on site. There is a possibility that construction activities could accidentally ignite a fire that could require assistance from the Williams Fire Protection Authority (WFPA). The nearest fire station is located approximately 5.8 road miles northeast of the Project site in the City of Williams. Construction of the proposed Project would be temporary in nature and thus would not require new or physically altered fire protection facilities to provide fire protection services.

During operations of the proposed Project, the Project site would be served by the WFPA, with the nearest fire station located approximately 5.8 road miles northeast of the Project site. The Project would not have a significant impact on fire response times, as the Project is within WFPA's existing service area. Further, the Project will be constructed to meet the latest CFC, 2021 IFC, NFPA 855 Standards for the Installation of Stationary Energy Storage Systems, UL 9540, and SB 38 requirements as detailed in the project-specific Fire Master Plan (Attachment 1). The technology used would reduce the likelihood that any singular battery cell failure will cascade into a larger thermal runaway event or fire. The proposed battery containers would comply with the requirements in Section 1207 of the CFC and the NFPA 855 standard and include built-in failsafe and cooling systems designed to prevent thermal runaway and the spread of fire. Built in fire protection system would automatically shut down any affected battery storage components and prevent the spread of fire to other battery storage modules in the event of an emergency.

The WFPA would review and approve the facility fire protection and suppression plans prior to approval of the proposed Project. Furthermore, as required by the CFC, the proposed Project would be required to comply with all requirements pertaining to fire protection features, such as the adequate provisions of fire extinguishers, fire apparatus access roads, and water supply. The proposed Project would have fire protection systems present in each BESS container and fire protection features for the entire facility. The complementary fire protection features would minimize the risk of a thermal runaway or fire in a BESS container and the risk of fire spreading to Project components and thus would not result in the need for new or physically altered governmental facilities. The Project would be remotely monitored at all times and would not be frequently occupied. Project operations would not impair WFPA's response to neighboring properties. As required by SB 38, training to fire department staff on proper response to fire at BESS facilities would be offered when coordinating on preparation of the required emergency response plans.

As detailed in **MM-PUB-1**, the proposed Project applicant would be required to participate in a Fire Protection and Mitigation Agreement with the WFPA. The Fire Protection and Mitigation Agreement ensures funding for firefighting and emergency resources for new development such as the proposed Project. This funding provides capital that can be used toward firefighting and emergency response improvements so that the WFPA is able to perform their mission into the future by providing adequate firefighting and

emergency resources to the area. Therefore, Project impacts concerning fire protection services would be less than significant with incorporation of **MM-PUB-1**.

Police protection?

Less Than Significant Impact. The Project would not lead to an increase in residential populations at the Project site of in nearby communities, and thus would not change the officer-to-population ratio for the area. Operation of the Project would be largely unmanned and would require limited Colusa County Sheriff's Department protection services. The proposed Project would be surrounded by security fencing to prevent unauthorized access or trespassing. Security lighting would be installed at the access gate along Walnut Drive, the Project substation, and the entrance to the BESS structures. Patrol services around the Project facility are expected to continue to be provided by Colusa County Sheriff's Department personnel. Therefore, construction and operations of the Project would have a less than significant impact on police protection services and their staffing or response times.

Schools?

No Impact. The Project would not include the development of housing units, nor would it induce population growth. Thus, no impact on capacities, service levels, or performance objectives for schools would be generated by the Project. Therefore, no impact would occur.

Parks?

No Impact. The Project would not include the development of housing units, nor would it induce population growth. Thus, no impact on capacities, service levels, or performance objectives for parks would be generated by the Project. Therefore, no impact would occur.

Other public facilities?

No Impact. No impact on capacities, service levels, or performance objectives for other public facilities would be generated by the Project. Therefore, no impact would occur.

Mitigation Measures

MM-PUB-1 Fire Protection and Mitigation Agreement. The applicant shall provide evidence that they have entered into a Fire Protection and Mitigation Agreement with the Williams Fire Protection Authority (WFPA) prior issuance of building and grading permits to make a fair-share contribution toward local emergency response capabilities. The funding shall be used by the WFPA to mitigate risks of wildfires and to enhance fire suppression and emergency services capabilities for the Proposed Project.

2.16 Recreation

2.16.1 Environmental Setting

The Project site and surrounding areas are not used for recreational purposes. Land uses surrounding the Project site include undeveloped land with varying degrees of disturbance due to previous or existing agricultural activities. These areas do not support recreational activities.

2.16.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

a) ***Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?***

No Impact. The Project would not directly or indirectly result in housing development or population growth on the Project site or in the surrounding areas. With no new households or residents, the Project would not increase demand or use of local parks or regional recreational facilities. Therefore, the Project would have no impact on existing parks or create a need for new neighborhood or regional parks.

b) ***Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?***

No Impact. See discussion above. The Project would not create a need for new neighborhood or regional parks. There would be no impact.

2.17 Transportation

2.17.1 Environmental Setting

This section evaluates the potential transportation related impacts of the Project, including the potential for the Project to conflict with a program, plan, ordinance, or policy addressing the circulation system, substantially increase hazards, or result in inadequate emergency access. The section also analyzes the potential impacts of the Project based on CEQA Guidelines Section 15064.3(b), which focuses on VMT for determining the significance of transportation impacts. Pursuant to SB 743, the focus of transportation analysis has changed from level of service or vehicle delay to VMT.

Dudek prepared a Transportation Analysis for the Project, which is attached as Appendix K and summarized herein. Figure 9 presents the transportation study area.

Existing Roadway Network

I-5 is a north-south oriented, generally four-lane freeway located east of the Project. It would provide regional access to the Project site via its interchange with Hahn Road, approximately 8 miles southeast of the project site and with its interchange with State Route (SR-20) in Williams, approximately 5 miles northeast of the project site. The posted speed limit is 70 mph.

SR-20 is an east-west oriented, generally two-lane rural highway located north of the project. It would provide regional access to the Project site via its intersection with East Camp Road. The posted speed limit is 55 mph.

Old Highway 99/Frontage Road is a north-south oriented, generally two-lane road located east of the project. The County of Colusa's Circulation Element classifies Old Highway 99/Frontage Road as a Major Collector. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

East Camp Road is a north-south oriented, generally two-lane road located west of the project. The County of Colusa's Circulation Element classifies East Camp Road as a Local road. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

Hahn Road is an east-west oriented, generally two-lane road located south of the project. The County of Colusa's Circulation Element classifies Hahn Road as a Major Collector. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

Meyers Road is an east-west, two-lane road, located south of the Project between Walters Creek and Ohm Road. The County of Colusa's Circulation Element classifies Meyers Road as a Major Collector within the study area. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

Walnut Drive is an east-west, two-lane road, located immediately north of the Project between Zumwalt Road and SR-20. The County of Colusa's Circulation Element classifies Walnut Drive as a Major Collector within the study area. The roadway would provide access to the proposed project driveway. While the Colusa County Regional Transportation Plan proposes a Class 3 Bicycle Route with a 3-foot shoulder along Walnut Drive, there are currently no bicycle facilities on the road. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

Transit, Bicycle, and Pedestrian Facilities

Colusa County Transit Agency is the sole transit provider for Colusa County and provides a dial-a-ride service which has coverage in the vicinity of the site. However, no established transit routes pass near the project vicinity.

A proposed Class 3 bike route with 3-foot shoulders is proposed on SR-20 and Walnut Drive. SR-20 provides regional access to the site and Walnut Drive borders the project site on the north. There are no sidewalks in the vicinity of the site as many of the roads in the area are rural and/or undeveloped. The regional bicycle facilities are presented on Figure 10.

Railroad Facilities and Crossings

The California Northern Railroad Company provides freight service throughout the county and operates 254 miles of track within California, linking freight customers in Northern California with the Union Pacific Railroad. The mainline tracks traverse the county adjacent to I-5. Within the vicinity of the project site, there are at-grade railroad crossings on Hahn Road, Meyers Road, Husted Road, and E Street. The railroad crossings are located east of I-5.

2.17.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION – Would the project:				
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☒	☐	☐
d) Result in inadequate emergency access?	☐	☒	☐	☐

a) Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less-than-Significant Impact. The Project would not conflict with applicable programs, plans, ordinances, or policies addressing the circulation system, as further discussed below. This includes the 2018 Colusa County Regional Transportation Plan Update (CCTC 2019), the County of Colusa General Plan Circulation Element (Colusa County 2012), and the existing and proposed roadway, pedestrian, bicycle, transit, and railroad facilities and services in the study area.

Colusa County Regional Transportation Plan Update

The Regional Transportation Plan serves as the planning blueprint for transportation investments in Colusa County involving local, state, and federal funding over the next 26 years. The overall focus of the RTP is directed at developing a coordinated and balanced multi-modal regional transportation system that is financially constrained to the revenues anticipated through the planning horizon for the RTP (2042). The RTP includes a Policy Element, Action Element, and Financial Element.

Goal 1.1: Provide mobility for people and goods in Colusa County on a reliable system.

Goal 1.2: Maintain and improve goods movement facilities in a manner that supports the economic well-being and quality of life in Colusa County.

Goal 1.3: Provide economic transit service that reaches the greatest number of people that can reasonably meet the transportation needs of county residents.

Goal 2.1: Develop streets and highway projects that meet environmental, social, economic, and circulation objectives.

Goal 2.2: Promote the transit system for all users.

Goal 2.3: Develop a continuous countywide pedestrian and bikeway system that is part of the multimodal regional transportation network.

Goal 6.1: Coordinate this plan with adopted environmental goals and policies addressed in the Colusa County General Plan and other documents.

Goal 6.2: Coordinate improvement of transportation facilities with adopted land use plans.

General Plan Circulation Element

The Colusa County Circulation Element provides the framework for Colusa County decisions concerning the countywide transportation system, which consists of various transportation modes, including roadway, transit, bike, pedestrian, rail, and aviation. The Circulation Element also provides for coordination with the incorporated municipalities within the county, the Colusa County Local Transportation Commission (as the Regional Transportation Planning Agency), and State and Federal agencies that fund and manage the County's transportation facilities. The following policies are relevant to the project:

Policy CIRC 1-1: Provide a circulation system that is consistent with the roadway network shown in the Circulation Element Diagram Figure CIRC-1.

Policy CIRC 1-3: Address the concept of "complete" streets, which requires more complete consideration of all users of the street, in new development and roadway improvement projects.

Policy CIRC 1-11: Require new development to: 1) finance and construct all off-site circulation improvements (including safety improvements) necessary to mitigate a project's transportation impacts to local roads, consistent with the policies of the General Plan: and

2) to analyze traffic impacts on the regional transportation system and require a fair-share contribution necessary to mitigate significant impacts to regional transportation improvements where a financing plan or other mechanism has been adopted to ensure the full funding and construction of improvements. Right-of-way dedication should be requested as a condition of a proposed new or widened major or minor collector.

Policy CIRC 1-12: Require new development and other projects with transportation impacts to pay their fair share cost of all feasible transportation improvements, including bicycle/pedestrian, transit, and safety, necessary to reduce the severity of cumulative transportation impacts.

Policy CIRC 1-13: Require specific plans, commercial and industrial projects, subdivisions, and other large-scale projects to implement appropriate transportation control measures to reduce vehicle miles traveled and traffic congestion.

Policy CIRC 1-20: Ensure that residents have convenient transit service to employment centers, County service centers, other government centers, and regional destinations (i.e., Sacramento International Airport), as funding allows.

Policy CIRC 1-28: Work with appropriate agencies to implement a regional bikeway system that connects the cities, larger unincorporated communities, recreation destinations, and scenic areas as shown in Figure CIRC-–3. Implement a dedicated multi-purpose bikeway between Arbuckle, Maxwell, Williams, and Colusa as a part of this effort.

Policy CIRC 1-29: Create a complete bikeway and sidewalk system within each community, including the completion of existing systems and provide connections to the regional system. Create walkways and bikeways that connect existing paths where feasible, and that connect to downtown/community core areas, schools, grocery stores, parks, and other community features.

Policy CIRC 1-30: Ensure that existing and new pedestrian facilities are compliant with the Americans With Disabilities Act (ADA).

Policy CIRC 1-32: Support development of facilities that link bicyclists and pedestrians with other modes of transportation.

Policy CIRC 3-1: Ensure that roadway design standards include all-weather dual-purpose function, as appropriate, to increase capacity, improve safety, and enhance flood control.

Policy CIRC 3-3: Ensure that development, roadway, and planning projects include adequate access and features to accommodate evacuations and movement of people to critical services during emergency conditions.

Policy CIRC 3-6: Ensure adequate access for emergency vehicles.

Impact Analysis

The project entails constructing and operating an approximately 81 MW BESS that would deliver and receive power from the PG&E Cortina Substation located approximately 0.5 miles west of the project site.

Construction

The project would result in a temporary, short-term increase in traffic during construction. This includes construction workers arriving to and from the project site and the delivery of large construction equipment and hauling trips to the site as needed. The total duration of project construction is anticipated to be 12 months, with some phases overlapping. Table 2.17-1 details the potential daily, and peak hour trip estimates during the peak construction phase. As shown in Table 2.17-1, the project would generate 260 daily trips, 94 AM peak hour trips, and 94 PM peak hour trips during the peak construction period. This is equivalent to 376 daily trips PCE (passenger car equivalent) trips, 106 AM peak hour PCE trips and 106 PM peak hour PCE trips.

Table 2.17-1. Peak Period of Construction Trip Generation Estimates

Vehicle Type	Daily Quantity		Daily Trips	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Non-PCE Adjusted Trip Generation									
Construction Workers[1]	85	workers	170	85	0	85	0	85	85
Vendor Trucks[2]	32	trucks	64	3	3	6	3	3	6
Haul Trucks[2]	13	trucks	26	2	1	3	2	1	3
Peak Total Trip Generation (Non-PCE)			**260**	**90**	**4**	**94**	**5**	**89**	**94**
PCE Adjusted Trip Generation									
Construction Workers	85	workers	170	85	0	85	0	85	85
Vendor Trucks[3]	32	trucks	128	6	6	12	6	6	12
Haul Trucks[3]	13	trucks	78	6	3	9	6	3	9
Peak Total Trip Generation (PCE)			**376**	**97**	**9**	**106**	**12**	**94**	**106**

Notes: PCE = passenger car equivalence.

1 Conservatively assumes all construction workers arrive in the AM peak hour and depart the site in the PM peak hour.

2 Trucks are assumed to arrive and depart the site evenly throughout the workday.

3 Vendor and water trucks were estimated to have an approximately 2.0 PCE adjusted value, while haul trucks were estimated to have an approximately 3.0 PCE adjusted value.

Delivery of materials and supplies would reach the site via I-5, SR-20, Meyers Road, Frontage Road, Husted Road, Zumwalt Road, East Camp Road, and Walnut Drive. Site access would be provided from a new driveway on Walnut Drive. Construction would result in temporary traffic along these roads that would be eliminated from the roadway network upon completion of construction. The Project does not include permanent road widening or otherwise inducing travel on County roadways. Construction would not affect pedestrian, bicycle, or transit facilities as none exist in the areas of proposed construction.

Within the vicinity of the project site, there are at-grade railroad crossings on the east side of I-5 on Hahn Road, Meyers Road, Husted Road, and E Street. However, project construction traffic would travel to and from the west of the railroad tracks to I-5 and would therefore avoid the railroad crossings.

Like construction traffic, decommissioning traffic would be temporary and would be eliminated from the roadway network completely upon the completion of decommissioning. Therefore, impacts of Project construction and decommissioning related to conflicts with adopted policies, plans, or programs addressing the circulation system including transit, roadway, bicycle, and pedestrian facilities would be less than significant.

Operations

Upon commissioning, the Project would enter the operational phase. For the duration of the operational phase, the Project would require one to two staff members that would visit the site weekly. Operations would be monitored remotely via the SCADA system, and periodic inspections and maintenance activities would occur. Daily trips generated by the Project would be less than 10 daily trips associated with the one to two employees commuting to the site, visitors, and/or light deliveries. The number of permanent trips associated with the Project are not expected to impact the study area roadway network. The roadway conditions in the Project vicinity would not substantially differ from existing conditions during the operations phase.

Class 3 bike routes (signed routes only) are proposed on SR-20 and Walnut Drive near the project site. However, the project would not include site improvements that would extend into the public right-of-way or interfere with the existing roadway network or impede the construction of new or the expansion of existing facilities, including public transit, bicycle, or pedestrian facilities in the future. The project would also not severely delay, impact, or reduce the service level of transit, as there are no existing transit routes in the vicinity of the site.

Therefore, the proposed project would not conflict with the circulation policies within the County's RTP or General Plan Circulation Element to provide a circulation system that is consistent with its proposed roadway network, including complete streets which consider all users of the street; to ensure all residents have convenient access to transit; to implement a complete bikeway and sidewalk system; or to ensure access for emergency vehicles. Impacts would be less than significant.

b) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?

Less Than Significant. CEQA Guidelines Section 15064.3(b) focuses on vehicle miles traveled (VMT) for determining the significance of transportation impacts, replacing the previous LOS metric.

Section 15064.3(b) is further divided into four subdivisions: (1) land use projects, (2) transportation projects, (3) qualitative analysis, and (4) methodology. CEQA Guidelines Section 15064.3 states that "generally, vehicle miles traveled (VMT) is the most appropriate measure of transportation impacts," and define VMT as "the amount and distance of automobile travel attributable to a project." "Automobile" refers to on-road passenger vehicles, specifically cars and light trucks. The OPR has clarified in its Technical Advisory (OPR 2018) that heavy-duty truck VMT is not required to be included in the estimation of a project's VMT. Other relevant considerations may include the effects of a project on transit and non-motorized traveled.

The County has not yet adopted Guidelines for evaluating project-related impacts on VMT, therefore this analysis is based on OPR's Technical Advisory. The project is not a land use or transportation project. Therefore, neither Section 15064.3(b)(1) nor Section 15064.3(b)(2) of the CEQA Guidelines apply. Instead,

the project would be categorized under Section 15064.3(b)(3), suitable for qualitative analysis and not subject to a quantitative threshold.

Based on guidance provided from OPR land use projects can be screened from a VMT analysis if it generates 110 or fewer daily (permanent) trips, is a local serving retail use (50,000 square feet or less), is and office or residential use located in a low VMT area, is within a transit priority area, or is an affordable housing project. A project only needs to satisfy one of the screening criteria to be exempt from further VMT.

Construction

CEQA Guidelines Section 15064.3(b) is divided into four subdivisions: (1) land use projects, (2) transportation projects, (3) qualitative analysis, and (4) methodology. The project is not a land use or transportation project. Therefore, neither Section 15064.3(b)(1) nor Section 15064.3(b)(2) of the CEQA Guidelines apply. Instead, the project would be categorized under Section 15064.3(b)(3), suitable for qualitative analysis and not subject to a quantitative threshold. Furthermore, the project size screening criterium (projects generating 110 daily trips or less) are intended to address permanent vehicle trips. Therefore, a qualitative analysis of the project construction is provided.

Construction would result in temporary traffic that would be eliminated from the roadway network upon completion of construction. Once construction is completed, VMT would return to pre-Project conditions and all temporary, construction related VMT would be eliminated. The same would be true for temporary decommissioning impacts. The VMT thresholds described in the OPR Technical Advisory do not apply to construction trips. Therefore, Project construction would not conflict with or be inconsistent with CEQA Guidelines Section 15064.3, Subdivision (b) and impacts would be less than significant. Furthermore, the CEQA Guidelines do not establish a significance threshold for construction or maintenance projects.

Short-term construction would not conflict with CEQA Guidelines Section 15064.3(b), and impacts would be less than significant.

Operations

Any increase in traffic associated with operation and maintenance of the Project would be nominal and would not directly generate substantial new VMT or conflict with or be inconsistent with CEQA Guidelines Section 15064.3, Subdivision (b). The Project would generate fewer than 110 daily trips and would quality as a "small project," and therefore does not require numerical VMT analysis. Additionally, the Project does not include permanently widening or otherwise inducing travel on County roadways. Therefore, Project impacts would be less than significant.

c) Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less than Significant with Mitigation Incorporated. Project construction, operation, and decommissioning would not involve hazardous geometric design features, such as sharp curves, dangerous intersections, or incompatible uses such as farm equipment.

Construction and decommissioning of the Project would require the delivery of heavy construction equipment and materials, which may require transport by slow-moving and/or oversize vehicles. The use of oversize vehicles may create a hazard to the public, by limiting motorist views of the roadways, limiting

shoulders on roadways, and resulting in changing traffic conditions that are unexpected by the road user. Operational vehicle traffic would be de minimis and would not increase hazards. Once construction and decommissioning are complete, roadway conditions would return to existing conditions. To minimize impacts during construction, **MM-TRAF-1** (Construction Traffic Management Plan) is recommended. **MM-TRAF-1** includes measures such as the use of warning signs to notify drivers in advance of construction activity, the use of flaggers to alert motorists of slow-moving trucks, limiting time for heavy vehicle deliveries, and other measures to reduce potential hazards. With implementation of **MM-TRAF-1**, impacts would be less than significant. In addition, a Closure, Decommissioning, and Reclamation Plan has been prepared for the Project, which includes measures specific to transportation impacts of decommissioning ensuring that decommissioning impacts would be less than significant.

d) Would the project result in inadequate emergency access?

Less than Significant with Mitigation Incorporated. Construction and decommissioning of the Project would result in a temporary increase in the number of local trips as a result of construction traffic, including worker trips, vendor trucks, and haul trucks. The primary impacts would include short-term and intermittent delays due to the increase in Project-generated traffic and slow-moving vehicles. **MM-TRAF-1** is recommended to minimize impacts during construction and facilitate access to nearby uses and ensure adequate emergency access. It will also reduce potential impacts to emergency access by informing emergency service providers of construction traffic schedule. With **MM-TRAF-1**, construction impacts associated with emergency access or access to nearby uses would be less than significant.

A Closure, Decommissioning, and Reclamation Plan would be prepared for the Project, which would include measures specific to transportation impacts of decommissioning if necessary, ensuring that decommissioning impacts would be less than significant. All existing County accepted public roads would remain in place during construction, operation, and decommissioning of the Project. There would be no changes to existing public access. The de minimis amount of traffic associated with Project operations would not materially affect existing traffic conditions in the Project site and would not interfere with access to nearby uses nor result in inadequate emergency access; therefore, any operational impacts associated with access to nearby uses or emergency access would be less than significant.

Mitigation Measures

MM-TRAF-1 Construction Traffic Management Plan. Prior to initiation of construction activities, a Construction Traffic Management Plan will be prepared by the contractor and filed with the County. Potential traffic management measures may include:

- Warning signage to meet County and California Department of Transportation requirements for driver awareness of construction activity in the vicinity.
- Staggering work shifts to reduce peak periods of congestion.
- Limiting time for heavy truck deliveries.
- Using flaggers at key locations to alert motorists to slow-moving trucks.
- Providing an information packet for affected residents, to be determined in consultation with the County, to bring awareness to the Project activities and measures to minimize impacts.
- Informing emergency service providers of construction traffic schedule.

2.18 Tribal Cultural Resources

2.18.1 Environmental Setting

An Archaeological Resources Inventory Letter Report was prepared for the Project (Appendix E), which included a Northwest Information Center records search, NAHC Sacred Lands File search, and an intensive pedestrian survey for cultural resources.

A search of the California Historical Resources Information System was completed for the proposed Project site and 0.5-mile radius on behalf of Dudek by staff at the Northwest Information Center on May 29, 2024. This search included a review of their collection of mapped prehistoric, historical, and built-environment resources, Department of Parks and Recreation Site records, technical reports, historical maps, and local inventories. Additional consulted sources included the NRHP, California Inventory of Historical Resources/CRHR and listed Office of Historic Preservation Archaeological Determinations of Eligibility, California Points of Historical Interest, and California Historical Landmarks.

On June 25, 2024, Dudek requested a NAHC search of their Sacred Lands File for the area of the Project site. The NAHC search results, received July 2, 2024, were negative. In addition to the Sacred Lands Files results, the NAHC provided a list of Native American contacts that may have additional information regarding tribal cultural resources in the area.

The proposed Project is subject to compliance with AB 52 (PRC Section 21074), which requires consideration of impacts to "tribal cultural resources" as part of the CEQA process and requires the CEQA lead agency to notify any groups (who have requested notification) of the Project who are traditionally or culturally affiliated with the geographic area of the Project. Because AB 52 is a government-to-government process, all records of correspondence related to AB 52 notification and any subsequent consultation are the responsibility of the County as CEQA lead agency.

2.18.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. TRIBAL CULTURAL RESOURCES				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	☐	☒	☐	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?

Less Than Significant Impact With Mitigation Incorporated. According to California Public Resources Code Section 21074:

A. "Tribal cultural resources are either of the following:
   1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
      i. Included or determined to be eligible for inclusion in the California Register of Historical Resources.
      ii. Included in a local register of historical resources as defined in subdivision (k) of Section 5020.1.
   2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. In applying the criteria set forth in subdivision (c) of Section 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.
      i. A cultural landscape that meets the criteria of subdivision (a) is a tribal cultural resource to the extent that the landscape is geographically defined in terms of the size and scope of the landscape.
      ii. A historical resource described in Section 21084.1, a unique archaeological resource as defined in subdivision (g) of Section 21083.2, or a "nonunique archaeological resource" as defined in subdivision (h) of Section 21083.2 may also be a tribal cultural resource if it conforms with the criteria of subdivision (a).

The project would not result in a substantial adverse change in the significance of a tribal cultural resource as defined in PRC Section 21074, since no tribal cultural resources were identified within or immediately adjacent to the Project site, and the likelihood of discovering in-place resources is low due to historical land disturbance activities. As discussed above, the NAHC Sacred Lands File search results were negative. However, grading and ground disturbance would occur during construction of the Project; as such, **MM-CUL-1** and **MM-CUL-2** would include procedures to follow should unknown resources and/or human remains be encountered during construction activities.

The Colusa County Planning Department initiated AB 52 consultation on May 6, 2025. The Yocha Dehe Wintun Nation responded to the early consultation request on May 7, 2025. Eric Hernandez and Soccoro Reyes-Gutierrez of the Yocha Dehe Wintun Nation participated in a virtual meeting on May 21, 2025 to discuss the Project. During the meeting, they confirmed that there are no known records or tribal cultural resources or sites on the subject property. However, to address the potential for inadvertent discoveries of tribal cultural resources, archaeological materials, or other cultural resources during ground-disturbing activities, the Yocha Dehe Wintun Nation requested the inclusion of mitigation measures **MM-TCR-1, MM-TCR-2,** and **MM-TCR-3,** which are included below.

With implementation of **MM-CUL-1**, **MM-CUL-2**, and **MM-TCR-1 through MM-TCR-3**, potential impacts to tribal cultural resources would be reduced to less than significant.

b) ***A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.***

Less Than Significant Impact With Mitigation Incorporated. The Project would not result in a substantial adverse change in the significance of a tribal cultural resource as defined in PRC Section 5024.1, since no tribal cultural resources were identified within or immediately adjacent to the Project site, and the likelihood of discovering in-place resources is low due to historical land disturbance activities. As discussed above, the NAHC results have not been received to date. However, grading and ground disturbance would occur during construction of the Project; as such, **MM-CUL-1**, **MM-CUL-2**, and **MM-TCR-1** would include procedures to follow should unknown resources and/or human remains be encountered during construction activities. In addition, **MM-TCR-2** and **MM-TCR-3**, which would include tribal notification prior to ground disturbing activities and tribal awareness training, would be implemented. With implementation of **MM-CUL-1**, **MM-CUL-2**, and **MM-TCR-1 through MM-TCR-3**, potential impacts to tribal cultural resources would be reduced to less than significant.

Mitigation Measures

MM-TCR-1 Unanticipated/Inadvertent Discoveries of Tribal Cultural Resources (TCRs). If any suspected TCRs are discovered during ground disturbing construction activities, all work shall cease within 100 feet of the find, or an agreed upon distance based on the project area and nature of the find. A Tribal Representative from a California Native American tribe that is traditionally and culturally affiliated with a geographic area shall be immediately notified and shall determine if the find is a TCR (PRC §21074). The Tribal Representative will make recommendations for further evaluation and treatment as necessary.

When avoidance is infeasible, preservation in place is the preferred option for mitigation of TCRs under CEQA protocols. Culturally appropriate treatment may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, or returning objects to a location within the project area where they will not be subject to future impacts. Permanent curation of TCRs will not take place unless approved in writing by the Yocha Dehe Wintun Nation or by the California Native American Tribe that is traditionally and culturally affiliated with the project area.

The contractor shall implement any measures deemed by the CEQA lead agency to be necessary and feasible to preserve in place, avoid, or minimize impacts to the resource, including, but not limited to, facilitating the appropriate tribal treatment of the find, as necessary. Treatment that preserves or restores the cultural character and integrity of a TCR may include Tribal Monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects or cultural soil.

Work at the discovery location cannot resume until all necessary investigation and evaluation of the discovery under the requirements of the CEQA, including AB52, have been satisfied.

MM-TCR-2 Prior and Post Ground Disturbance. A minimum of 14 days prior to beginning earthwork, clearing and grubbing, or other soil disturbing activities, the applicant shall notify lead agency of the proposed earthwork start-date. The lead agency shall contact the Yocha Dehe Wintun Nation with the proposed earthwork start-date and a Tribal Representative or Tribal Monitor shall be invited to provide an on-site meeting for construction personnel information on TCRs and workers awareness brochure.

MM-TCR-3 Tribal Awareness Training. The Applicant/contractor shall coordinate with the Yocha Dehe Wintun Nation to provide a tribal cultural resources sensitivity and awareness training program for all personnel involved in project construction, including field consultants and construction workers, at their own expense.

The training shall be conducted before any project-related construction activities begin at the project site. The training will include relevant information regarding sensitive cultural resources and tribal cultural resources, including applicable regulations, protocols for avoidance, and consequences of violating State laws and regulations. The training will also describe appropriate avoidance and impact minimization measures for cultural resources and tribal cultural resources that could be located at the project site and will outline what to do and who to contact if any potential cultural resources or tribal cultural resources are encountered. It will emphasize the requirement for confidentiality and culturally appropriate treatment of any discovery of significance to Native Americans and will discuss appropriate behaviors and responsive actions, consistent with Native American tribal values.

All ground-disturbing equipment operators shall be required to receive the training and sign a form that acknowledges receipt of the training.

2.19 Utilities and Service Systems

2.19.1 Environmental Setting

The Project area is located within the Freshwater Creek watershed and Salt Creek subwatershed and is in the Sacramento Valley, which begins at Shasta Lake in the north and extends south to the Sacramento/San Joaquin Delta. The Sacramento Valley is approximately 3.5 million acres and is most characterized by the agricultural working landscape that lies between the foothills of the Sierra Nevada on the east and the Coast Ranges on the west. Nearly 2 million acres in the valley are used for irrigated crops, including orchards (stone fruit and nuts), rice, grain, pasture, vineyards, tomatoes, and a variety of other field crops (Sacramento River Watershed Program 2024). The Project area does not occur within a FEMA flood hazard zone.

2.19.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, waste water treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the waste water treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

a) Would the project require or result in the relocation or construction of new or expanded water, waste water treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less Than Significant Impact. The estimated water usage for construction of the proposed Project is approximately 60 acre-feet of water. There would be no demand for potable water as there would be no habitable structures on site. The Project would not require or result in the relocation or construction of new or expanded water facilities, and impacts would be less than significant. The Project would not generate domestic wastewater because no habitable structures, restrooms, toilets, or kitchen facilities would be constructed. The Project would provide portable sanitation facilities for workers during construction. As a Condition of Approval, the portable sanitation facilities would be maintained in a safe and sanitary condition so as not to constitute a public health hazard or nuisance.

During operations, the portable sanitation facilities would be provided on-site whenever maintenance activities are scheduled to take place. Domestic wastewater generated by the portable sanitation facilities would be treated per County regulations. Therefore, no wastewater treatment is anticipated that may exceed Regional Water Quality Control Board standards, and the Project would not require or result in the relocation or construction of new or expanded wastewater treatment facilities, and impacts would be less than significant.

The proposed Project represents an improvement to the existing electrical power system. For construction activities, electrical power is expected to be obtained from on-site generators. Although the proposed Project would require new electrical tie-ins for service, it would not result in the excessive use of electricity during operation. As discussed in Sections 2.7 and 2.10, installation of new electrical tie-ins would be completed in compliance with the Construction General Permit, which requires implementation of a SWPPP and associated BMPs to minimize erosion and water quality impacts. Therefore, Project impacts related to electrical power would be less than significant.

The proposed Project would not require new natural gas services connections and would not result in the need for new natural gas supplies or infrastructure. Therefore, the proposed Project would have no impact with regard to natural gas.

The Project would require a 0.5-mile transmission intertie line, which would be constructed underground from the PG&E Cortina Substation to the Project site and which would include a 115 kV transmission line as well as a telecommunications fiber line. This would be done either within the County right of way or through private property and would be in compliance with the Construction General Permit. Therefore, impacts would be less than significant.

b) Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less Than Significant Impact. The estimated water usage for construction of the Project is approximately 60 acre-feet of water. Potential water sources may include an improved existing well or through off-site source delivered by truck. The proposed Project is not anticipated to substantially increase water demand. Due to the low amount of water used during construction and operation, it is anticipated that the Project would have sufficient water supplies during normal, dry, and multiple dry years.

c) Would the project result in a determination by the waste water treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less Than Significant Impact. No wastewater services or connections to existing facilities are required by the Project. There would be no generation of wastewater as there would be no habitable structures on site. Minor amounts of domestic wastewater would be generated by mobile sanitation facilities during construction and operations. The wastewater would be treated using existing facilities per County regulations. Impacts to wastewater system capacity would be less than significant.

d) Would the project generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less Than Significant Impact. The proposed Project would produce a small amount of solid waste from construction activities, the majority of which would be non-hazardous and may include paper, wood, glass, plastics from packaging material, lumber, insulation, scrap metal and concrete, empty nonhazardous containers, and vegetation waste. These wastes would be segregated, where practical, for recycling. Non-recyclable wastes would be placed in covered dumpsters and removed on a regular basis by a certified waste-handling contractor for disposal at a Class III (nonhazardous waste) landfill. It is assumed that the Project would comply with the CalGreen Code, which is intended to assist the County in complying with the solid waste reduction goals of AB 939.

Solid waste generated during the operations phase of the Project would be minimal. The long-term solid waste stream would not be large enough to require any measurable landfill capacity. The proposed Project would comply with all applicable federal, state, and local statutes and regulations regarding solid waste disposal. Impacts would be limited and temporary during construction and are considered less than significant.

e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less Than Significant Impact. The proposed Project would comply with federal, state, and local statutes and regulations governing solid waste disposal during construction, operation, and decommissioning. Therefore, the impacts would be less than significant.

2.20 Wildfire

2.20.1 Environmental Setting

The project site is situated toward the midpoint of Colusa County, California, in agriculture areas close to the foothills of the western mountain range going toward Clearlake. Unlike the agricultural area surrounding the project, the foothill area is more likely to foster an environment where the combination of terrain, vegetation, and weather permits the spread of wildfire when conditions are right. This section describes the fire environment at the Project site and the surrounding area, including a summary of the fire history.

Terrain

Topography and terrain influence fire risk by affecting fire spread rates. Typically, steep terrain results in faster fire spread up-slope and slower fire spread down-slope in the absence of wind. Flat terrain tends to have little effect on fire spread, resulting in fires that are driven by wind. The Project site is situated in the middle portion of Colusa County, California, approximately 4.5 miles east of the foothills of the western mountain range going toward Clearlake. The Project area is flat, with only a minor change in elevation throughout. Elevation across the Project area ranges from approximately 140 feet to 160 feet above mean sea level. According to the U.S. Department of Agriculture Natural Resources Conservation Service Web Soil Survey, two soil types occur within the Project area: Myers clay (0% to 2% slopes) and Mallard clay loam (0% to 1% slopes). The nearest slope and terrain increases occur approximately 1.5 miles southwest of the project and 5 miles west of the project, where the foothills and westernmost portion of the Central Valley are more defined (USGS 2022). Additionally, there are no narrow canyons, box canyons, chimneys, or other terrain features that would exacerbate a wildfire burning near the Project site.

Vegetation

The Project site and adjacent lands are used for fruit or nut tree orchards and appear to be well-established and productive. The presence of an irrigation canal south of the project site would imply that the orchards are well-irrigated. The presence of weeds in ditches off of Walnut Drive may be combustible but are present in inconsistent patches and would not sustain fire spread.

Weather

The climate in the project area is characterized as a hot-summer Mediterranean climate with cool, wet winters and hot, dry summers. The Project area is located within the northern Central Valley, which has a temperate climate with hot, dry summers (Kottek et al., 2006). Weather data for the Project site comes from the County Line Remoted Automated Weather Station which is located by the southwestern county line where Colusa County and Lake County meet, approximately 12.5 miles southwest of the Project site. Temperatures in Williams range from an average low of 36°F in January to an average high of 97°F in July; precipitation primarily occurs from November to April and typically averages 15.6 inches per year (WRCC 2024). From May to September maximum temperatures exceed 90°F. Relative humidity at the Project site ranges from an average of 70% during the wettest months to 40% during the driest months. The minimum average relative humidity in the Project area is below 15% from March to October. Winds in the Project area are predominantly out of the west-southwest. Average wind speeds vary between 5 mph and 9.5 mph. Average wind speeds above 15 mph occur from May to August. Wind gusts exceeding 50 mph can occur throughout the year. Regarding wind records, the County Line Remoted Automated Weather Station is located at a higher elevation (approximately 1,900 feet above the site) and closer to the ridgeline than the Project site, so it is subject to stronger winds than would be expected at the project site (WRCC 2024).

Weather conditions conducive to the ignition and spread of a wildfire occur on average from May to October. In May, there may be a relatively short window during the day when temperatures are high enough and relative humidities are low enough for fire to spread in the grass. This window increases as the year progresses, peaking in July and August during the hottest and driest periods of the year. As the year progresses, this window will decrease again as the temperature decreases and relative humidity increases. The steady winds experienced at the project site would sustain fire spread when temperature and humidity conditions are conducive to fire ignition.

The Project site, along with the greater northern Central Valley, is subject to strong wind events that may exacerbate fire spread. These high wind events typically involve winds from the north which can dry fuels and create higher

intensity, fast-moving, wind-driven wildfires. These wind events are commonly referred to as Diablo Winds. While Diablo winds are possible at the Project site, wind speeds are expected to be less severe compared to areas within and west of the coastal range. Although these weather events often present the greatest risk, they account for only a small fraction of all fires that occur each year (CAL FIRE LNU, 2020).

Fire History

Fire history is an important component of a Fire Safety Plan. Fire history data provides valuable information regarding fire spread, fire frequency, most vulnerable areas, and significant ignition sources, amongst others. In turn, this understanding of why fires occur in an area and how they typically spread can then be used for pre-planning. Fire history represented in this Fire Safety Plan uses the Fire and Resource Assessment Program database. Fire Resource Assessment Program summarizes fire perimeter data dating to the late 1800s, but it is incomplete because it only includes fires over 10 acres in size and has incomplete perimeter data, especially before the mid-20th century (Syphard & Keeley 2016). However, the data does provide a summary of recorded fires and can be used to show whether large fires have occurred in the Project area, which indicates whether they may be possible in the future.

According to available data from the CAL FIRE Fire Resource Assessment Program records, there have been 63 fires within 5 miles of the Project site. A total of 12 fires have burned within 1 mile of the Project site. No fires have burned onto the footprint of the BESS facility at the Project site. The CPUC collects and publishes data on utility-caused fires. According to CPUC fire ignition data from 2014 through 2023, three utility fires have been recorded within Colusa County but none of these fires were within 5 miles of the project site (CPUC 2023). Utility-caused fires that were the result of bulk transmission equipment are recorded but not published; there may be other utility-caused fires in the project area.

Fire Hazard Severity Zones

The Project site and the surrounding area are located in the Local Responsibility Area lands where a local agency has the primary responsibility for fire suppression. According to the State Fire Marshal, FHSZ Maps (CAL FIRE 2007), the Project site and the surrounding area are not located in an area currently designated as a FHSZ. The nearest FHSZ is located 0.87 miles to the southwest on the opposite side of the Tehama-Colusa Canal, which is part of the Central Valley Project. The State adopted State Responsibility Area FHSZ maps on April 2, 2024.

CPUC has published High-Fire-Threat District maps. These maps show areas where there is an increased risk (including likelihood and potential impacts on people and property) for utility-associated wildfires. The Project site and the surrounding area are not located within a Tier 2 (High) or Tier 3 (Extreme) High-Fire-Threat District (CPUC 2021).

Fire Protection Services

The Project site is located on Local Responsibility Area lands where the local agency has the primary responsibility for fire suppression and emergency response. WFPA is the primary provider of emergency services to the Project site and would be the first responder to an emergency call at the Project site. The nearest fire station is the Williams Fire Department Station 30, located in the center of Williams, California, approximately 5.8 miles from the Project site. WFPA has only one fire station, so the next closest fire responders are coming from the Arbuckle Fire Department in central Arbuckle, California, approximately 13.2 miles from the Project site. Table 2.20-1 summarizes the location, equipment, staffing levels, maximum travel distances, and estimated travel times for the

nearest emergency responders. Travel distances are derived from Google road data while travel times are calculated using response speeds of 35 mph, consistent with nationally recognized NFPA standard 1710 and Insurance Services Office Public Protection Classification Program's Response Time Standard formula (Time=0.65 + 1.7(Distance)). The Insurance Services Office response travel time formula discounts speed for intersections, vehicle deceleration, and acceleration and does not include turnout time.

Table 2.20-1. Closest Emergency Response Station Summary

Station Name	Location	Apparatus	Staffing	Maximum Travel Distance	Travel Time
Williams Fire Protection Authority Station 30	810 E St, Williams, California 95987	2 type 1 Eng 1 77-foot ladder truck 2 type 3 engine 1 heavy rescue 1 3000-gallon tender 1 2000-gallon tender 1 light and air unit		5.8 miles	10 minutes and 20 seconds
Arbuckle Fire Department Fire Station 51	506 Lucas St, Arbuckle, California 95912	2 Engines	3 – Full-time Firefighters	13.2 miles	23 minutes and 5 seconds

Travel time to the entrance of the Project site for the first responding units from WFPA Station 30 is anticipated to be approximately 11 minutes. The City of Williams General Plan states that the WFPA has a response time of approximately 7 minutes (City of Williams 2023); presumably, this standard is for the area within the city limits of Williams, though it is not explicitly stated in the General Plan. The Colusa County general plan does not have a response time standard for rural areas. The Project site, with a calculated travel time of approximately 11 minutes, is not within WFPA's established response time standard.

2.20.2 Project Impacts

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

a) Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

No Impact. Colusa County does not have adopted emergency response plan or evacuation plan that applies to the Project area.

b) Due to slope, prevailing winds, and other factors, would the project exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Less than Significant Impact. The Project site is not located within a CAL FIRE-designated Fire Hazard Severity Zone, a CPUC-designated High Fire Threat District, or a locally designated wildland urban interface. Due to the level terrain and overall lack of combustible vegetation or materials, the project site and the surrounding area have a very low risk of wildfire. The Project would be remotely monitored and would not be regularly occupied. It is unlikely that a wildfire can spread onto the Project site.

c) Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

Less than Significant Impact. The Project is currently used as a nut tree orchard. Developing the Project as proposed would require the installation of access roads, a substation, the BESS module array, and a tie-line to connect the Project to the nearby PG&E substation. In addition, to meet CFC requirements, the Project would be required to install an on-site water tank and pump with a dedicated supply of water for firefighting purposes. The access roads would be built for fire department access, would come within 150

feet of Project equipment, and would be capable of supporting a fully loaded fire apparatus (Section 503.1). The water supply for the Project would be sized to meet fire department requirements and would comply with the NFPA 1142 standard. The proposed electrical equipment, including overhead conductors and substation equipment, would comply with Public Utility Code General Orders 96 and 165. Battery Energy Storage Systems would comply with Chapter 12 of the CFC and comply with the NFPA 855 standard. None of this infrastructure would result in increased fire risk to the site or surrounding properties. The installation of fire department access roads and water supply would not significantly alter the site in a way that increased fire risk or introduced new ignition sources that are not already present in the area.

d) Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less than Significant Impact. As proposed, the Project site would be partially covered with non-combustible surfaces (e.g. access roads and equipment pads) that would not be able to support the spread of a wildfire. The remainder of the Project site would be maintained as a fruit or nut tree orchard. BMPs for managing production in nut orchard operations dictate the regular removal of surface vegetation and leaf litter (Buchner et. al. 2019); this regular maintenance would result minimal combustible vegetation build up within the orchard and a very low risk of wildfire. This very low risk of wildfire combined with the generally level terrain would make it unlikely that any wildfire that could occur would result in a significant alteration to the soil, orchard, or landscape vegetation that would create a significant risk of erosion.

There are no streams, rivers, or natural drainages on the Project site or project-related offsite improvements.

2.21 Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

a) ***Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?***

Less Than Significant Impact. As discussed throughout the analyses contained in this Initial Study, the Project does not have the potential to degrade the quality of the environment or result in significant impacts to the environment that cannot be reduced to less than significant following compliance with the established regulatory framework (i.e., local, state, and federal regulations), Project conditions of approval, and the recommended mitigation measures.

As concluded in Section 2.4, the Project would not reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal following compliance with the recommended mitigation measures. As concluded in Section 2.5, the Project would not eliminate important examples of the major periods of California history or prehistory.

The County hereby finds that impacts concerning degradation of the environment and biological and cultural resources would be less than significant with mitigation measures and COAs incorporated.

b) ***Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)***

Less Than Significant Impact with Mitigation Incorporated. The proposed Project would result in significant impacts unless mitigated for the following environmental issues: Aesthetics, Agriculture and Forestry Resources, Biological Resources, Cultural Resources, Geology and Soils, and Hazards and Hazardous Materials, Hydrology and Water Quality, Noise, Transportation, and Tribal Cultural Resources. A Mitigation

Program has been prepared for these environmental issue areas to reduce impacts to less than significant. County standard conditions of approval would also be imposed upon the Project, as appropriate. Other development projects within the County would also be subject to these requirements, as appropriate.

All other Project impacts were determined either to have no impact or to be less than significant following compliance with the established regulatory framework, without the need for mitigation. Cumulatively, the proposed Project would not result in any significant impacts that would substantially combine with impacts of other current or probable future impacts. Therefore, the Project, in conjunction with other future projects, would not result in any cumulatively considerable impacts and no mitigation is required.

Therefore, the County hereby finds that the Project's contribution to cumulative impacts would be less than significant with mitigation incorporated.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less Than Significant Impact with Mitigation Incorporated. Based on the analysis of the Project's impacts in the responses to items 2.1 through 2.20 above, there is no indication that the Project would result in substantial adverse effects on human beings. The analysis herein concludes that direct and indirect environmental effects would be less than significant with the incorporation of mitigation. Based on the analysis in this Initial Study/Mitigated Negative Declaration, the County finds that direct and indirect impacts to human beings would be less than significant with mitigation incorporated.

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3 References and Preparers

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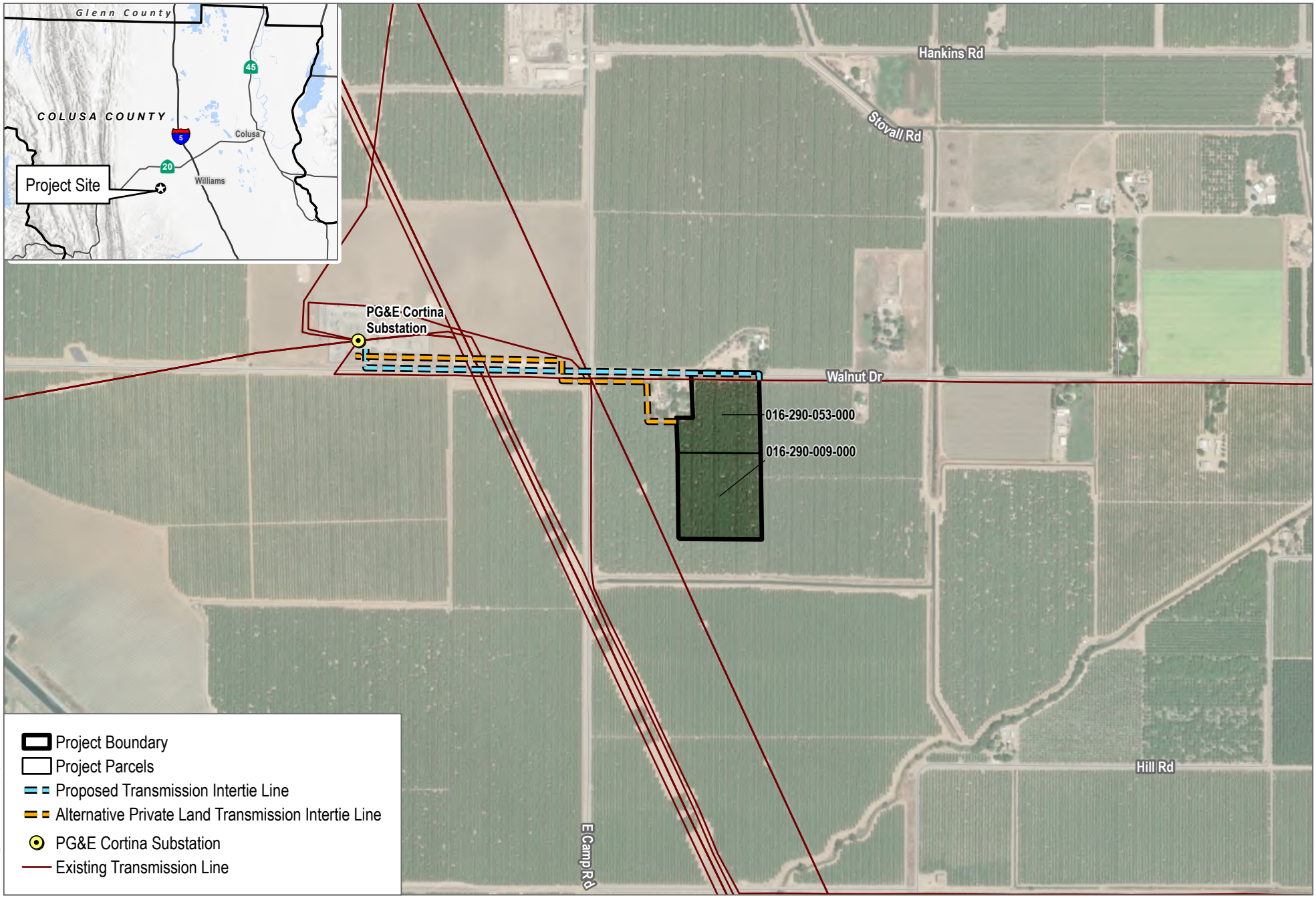
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3.2 List of Preparers

Dudek

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Michael Williams, PhD, Paleontologist (Geology and Soils)

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SOURCE: Maxar 2021; Open Street Map 2023; Platts 2023

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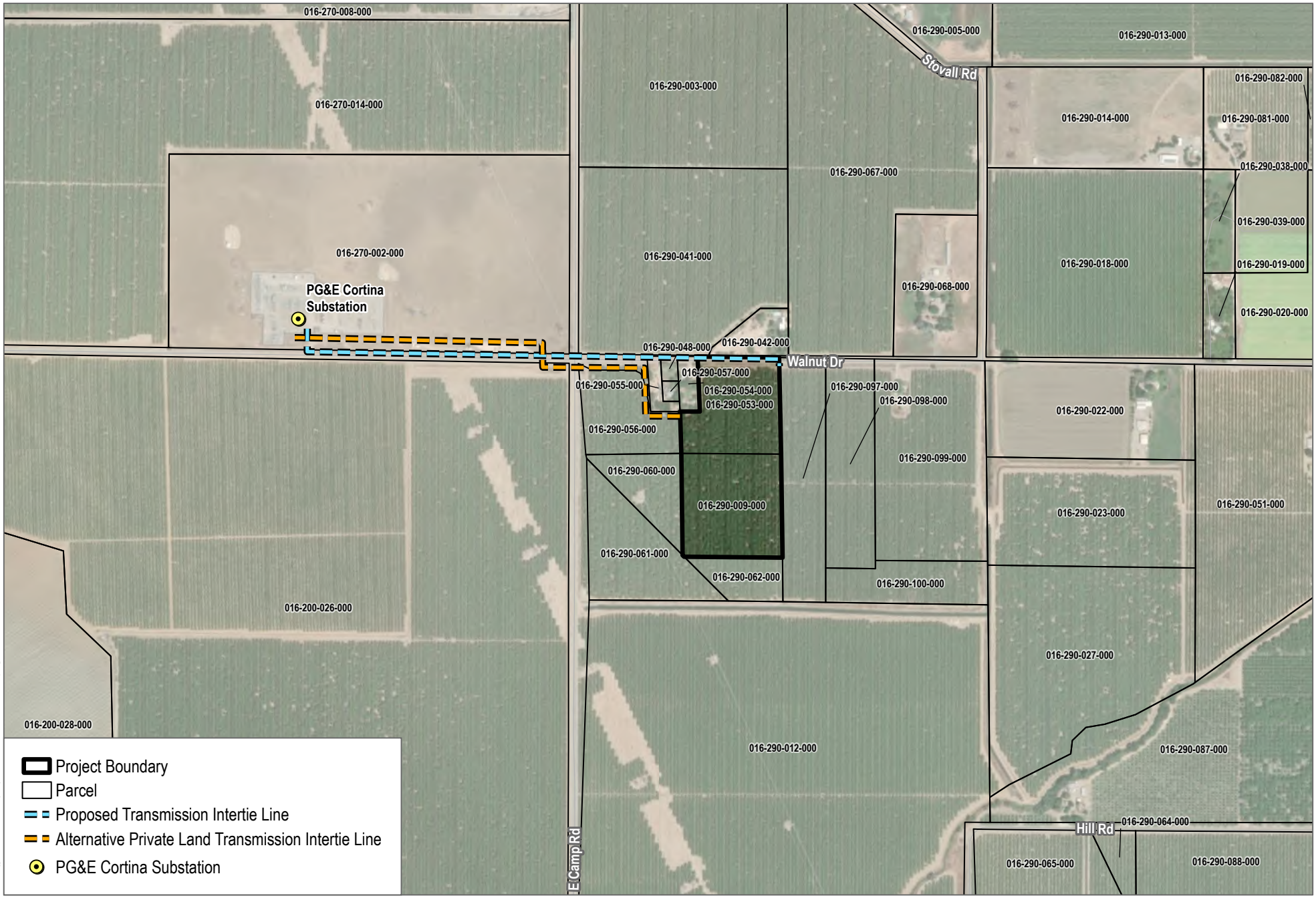
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FIGURE 1

Project Vicinity

Saloon Energy Storage Project

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SOURCE: Maxar 2021; County of Colusa 2022; Open Street Map 2023

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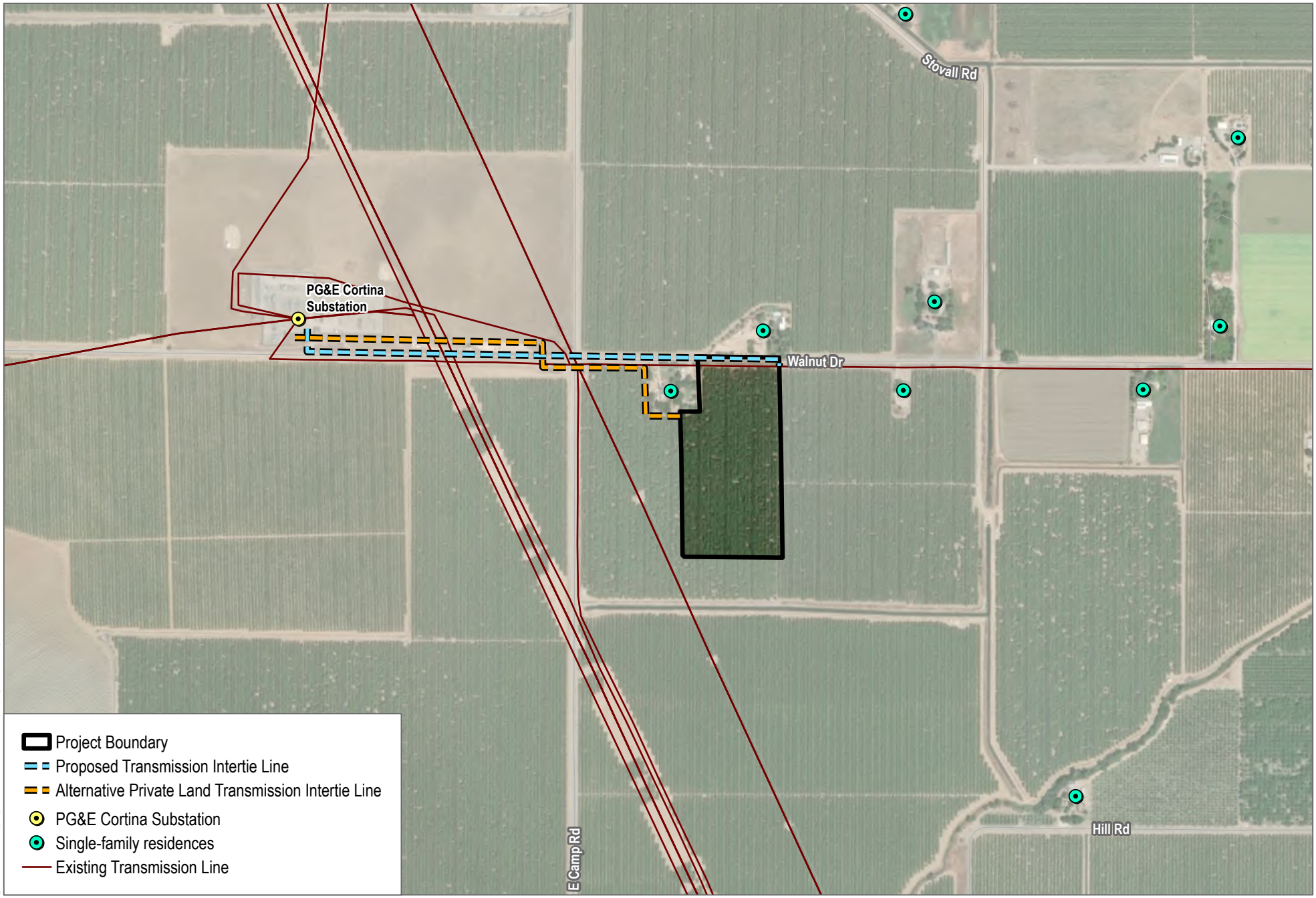
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FIGURE 2

APN Parcels

Saloon Energy Storage Project

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SOURCE: Maxar 2021; Open Street Map 2023

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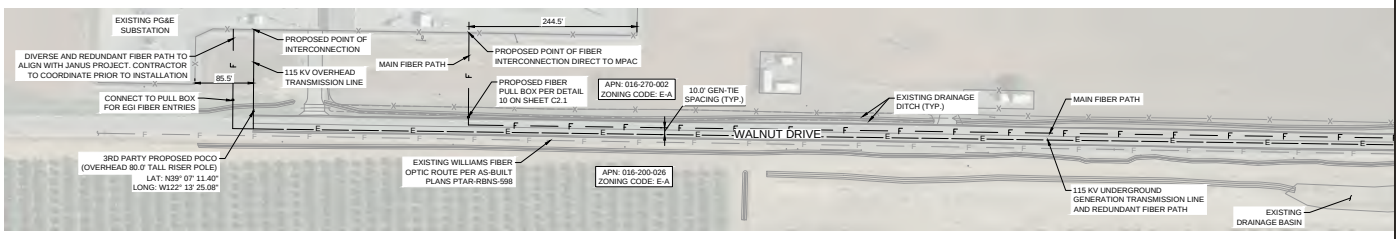
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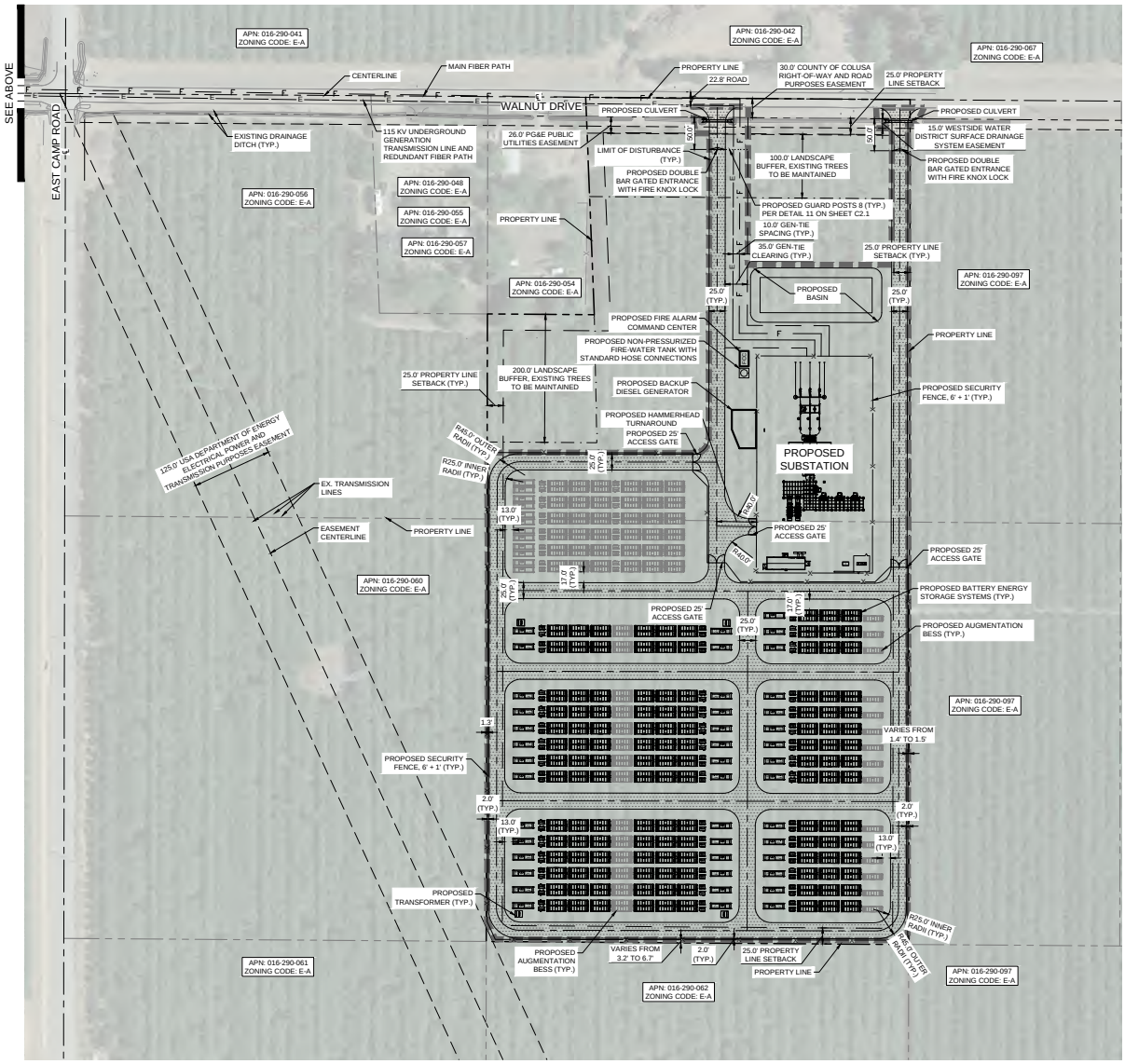
FIGURE 3

Surrounding Land Uses

Saloon Energy Storage Project

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SOURCE: Kimley Horn 2025

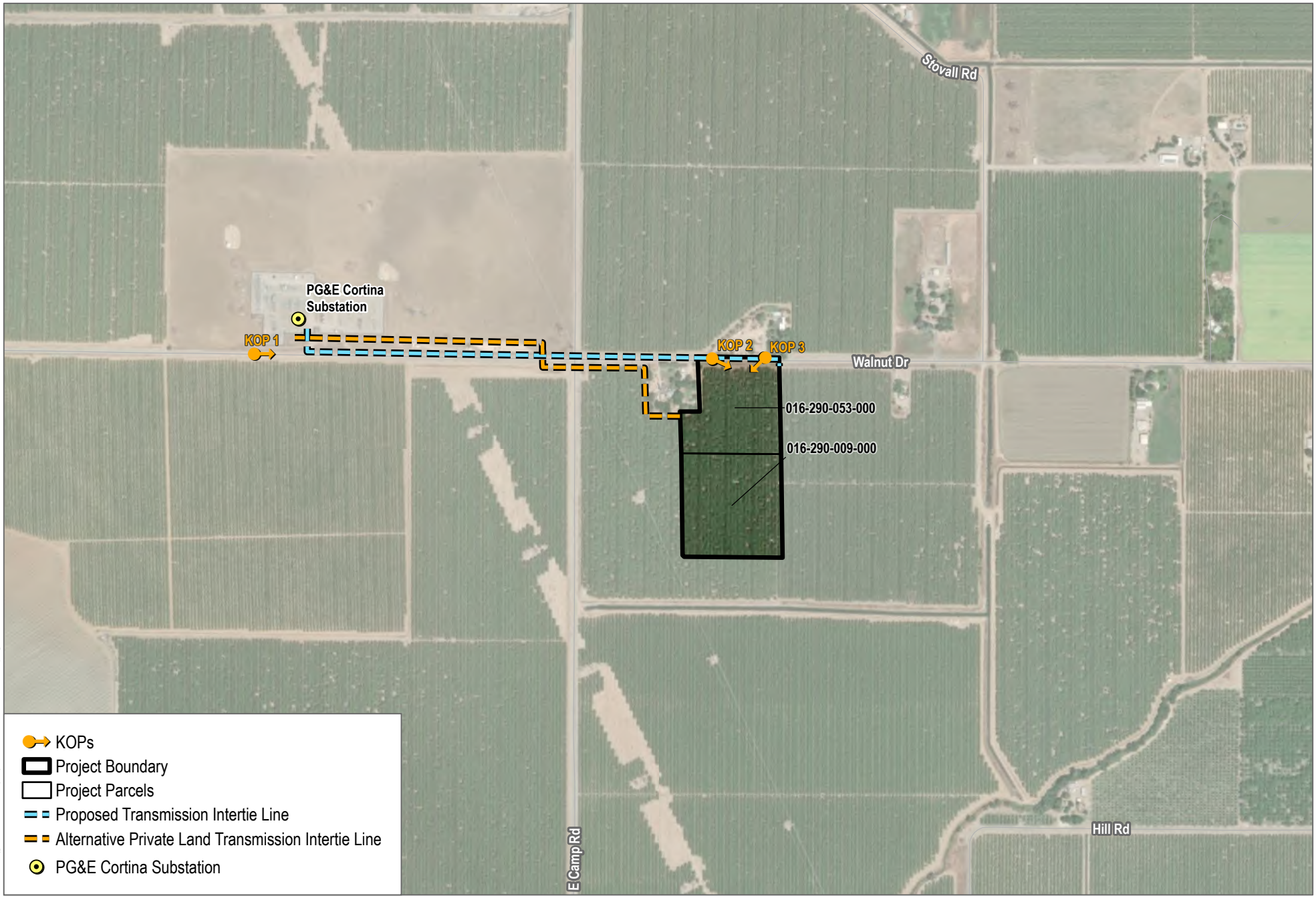
FIGURE 4

Site Plan

Saloon Energy Storage Project

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SOURCE: Maxar 2021; Open Street Map 2023; Platts 2023

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FIGURE 5.1

KOPs

Saloon Energy Storage Project

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Existing Conditions



Proposed Conditions

FIGURE 5.2

KOP 1 – Eastbound Walnut Drive Existing and Proposed Conditions

Saloon Energy Storage Project

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Existing Conditions



Proposed Conditions

FIGURE 5.3

KOP 2 – Eastbound Walnut Drive Existing and Proposed Conditions

Saloon Energy Storage Project

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Existing Conditions



Proposed Conditions

FIGURE 5.4

KOP 3 – Westbound Walnut Drive Existing and Proposed Conditions

Saloon Energy Storage Project

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SOURCE: Bing Aerial Imagery Accessed 2024; OpenStreetMap 2019

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FIGURE 6

Sensitive Receptors

Saloon Battery Energy Storage Project

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SOURCE: Bing Aerial Imagery Accessed 2024; OpenStreetMap 2019

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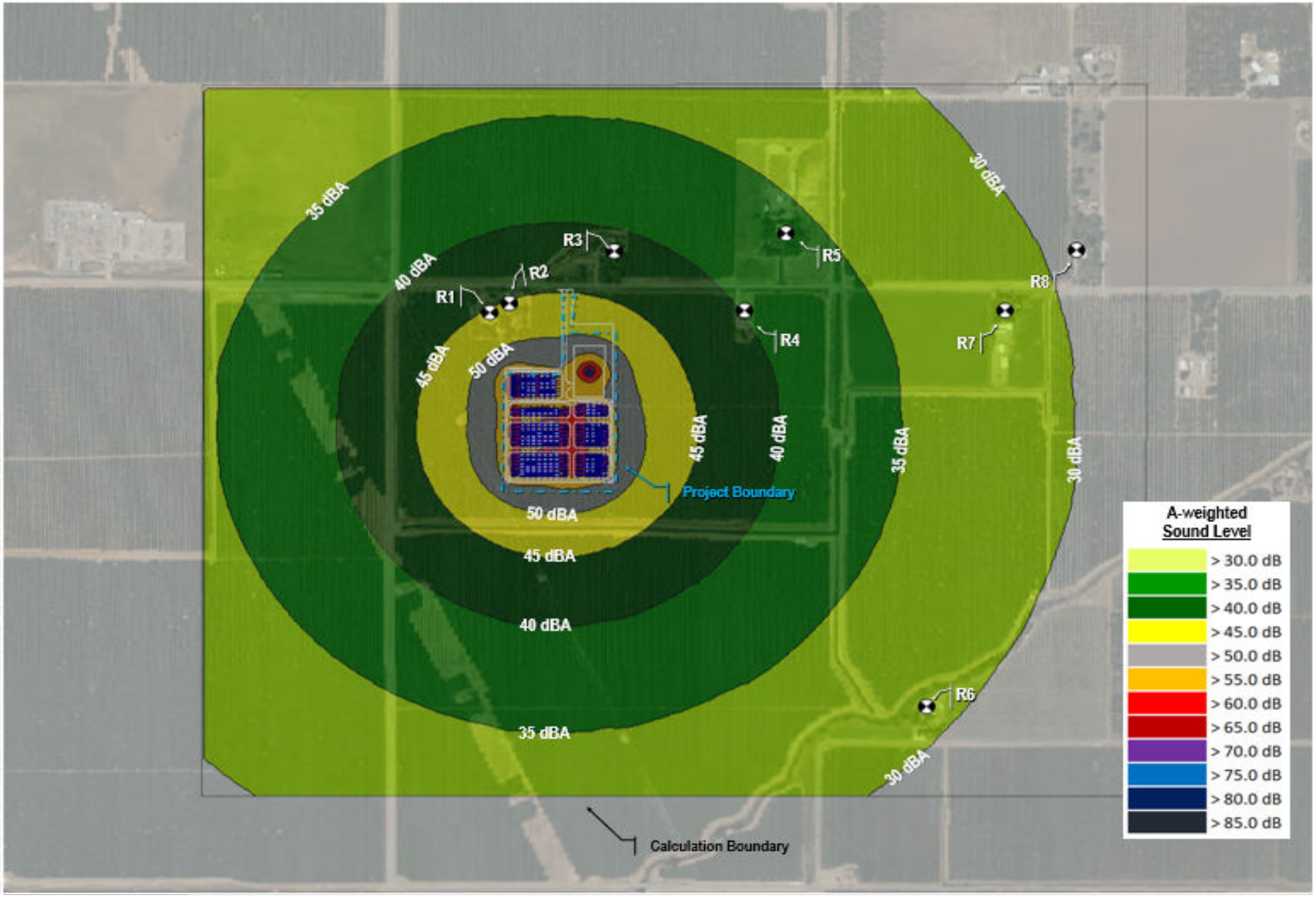
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FIGURE 7

Ambient Noise Measurement Locations

Saloon Battery Energy Storage Project

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SOURCE: Bing Maps Aerial Imagery Accessed 2024; OpenStreetMap 2019

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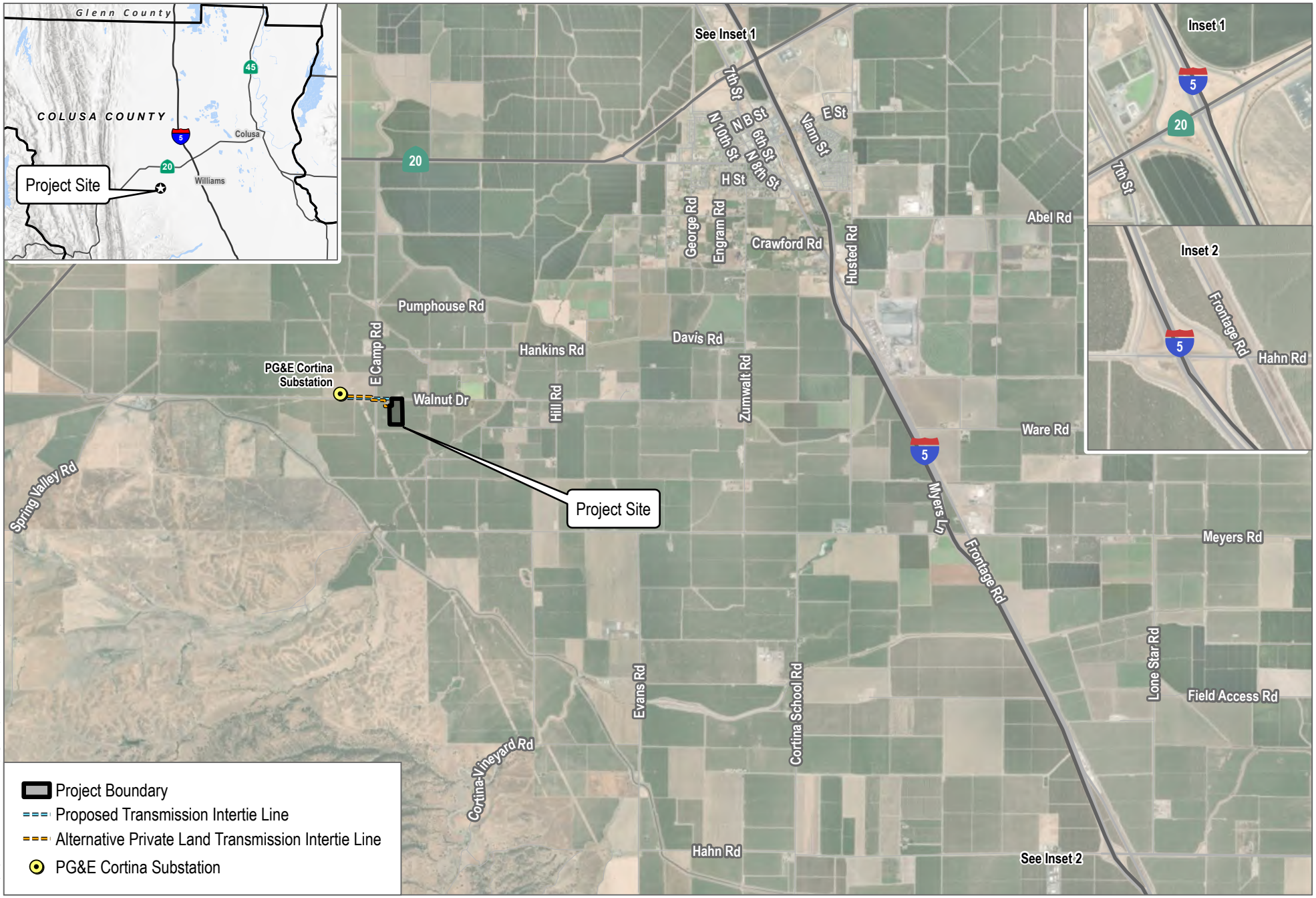
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FIGURE 8

Predicted Stationary Source Operation Noise from Proposed Project

Saloon Energy Storage Project

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SOURCE: Maxar 2021; Open Street Map 2023

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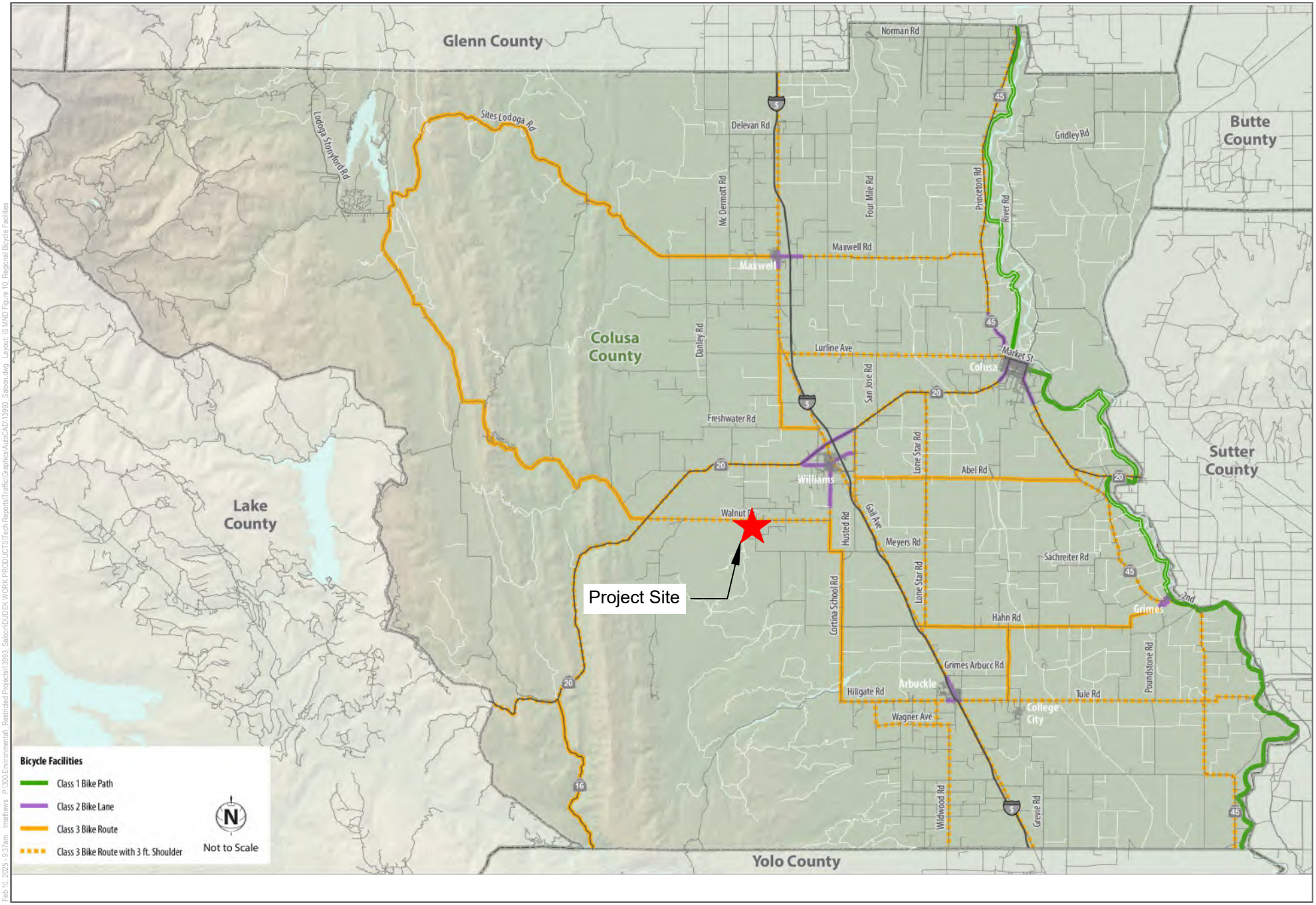
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FIGURE 9

Project Location and Transportation Study Area

Saloon Energy Storage Project

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SOURCE: Colusa County, 2019. Fehr & Peers, 2019.

Figure 10

Colusa County Proposed Regional Bicycle Facilities

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Saloon Energy Storage Project

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Appendix A
PG&E AMMs and BMPs

AVOIDANCE AND MINIMIZATION MEASURES AND BMPS (PG&E FACILITIES)

AMM-1 Train employees and contractors in environmental regulations and guidelines to avoid or reduce effects on covered species.

AMM-2 Park vehicles and equipment on pavement, roads, or previously disturbed areas.

AMM-3 Minimize or avoid new disturbance to the extent practicable.

AMM-4 Do not exceed a speed limit of 15 mph on ROWs or unpaved roads within sensitive land cover types.

AMM-5 Do not dump trash, bring firearms or pets, or have open fires such as barbecues on worksites.

AMM-6 Do not refuel vehicles within 100 ft of a wetland or waterway unless a bermed and lined refueling area is constructed.

AMM-7 In areas of high risk of wildlife electrocution, use insulated jumper wires, animal guards for equipment insulator bushings, or construct lines to follow the Bird and Wildlife Protection Standards.

AMM-8 During fire season in SRAs, carry backpack water sprayers and shovels in all vehicles; during red flag conditions curtail welding, carry a large fire extinguisher on each fuel truck, and clear parking and storage areas of flammable materials.

AMM-9 Implement erosion control measures where necessary to reduce erosion and sedimentation in wetlands or waterways.

AMM-10 If more than 0.25 acre of grassland is disturbed, except in areas with vernal pools or covered plant species, restore to pre-existing conditions using a certified weed-free commercial seed mix.

AMM-11 If elderberry plants with one or more stems 1 inch at ground level are present, establish an exclusion zone of 20 ft. If impacts are unavoidable, follow additional measures in the VELB conservation plan and compliance brochure, which must be in all vehicles working within range of VELB.

AMM- 12 San Joaquin kit fox. If San Joaquin kit fox dens are present, their disturbance and destruction will be avoided where possible. However, if dens are located within the proposed work area and cannot be avoided during construction, qualified biologists will determine if the dens are occupied. If unoccupied, the qualified biologist will remove these dens by hand excavating them in accordance with USFWS procedures (U.S. Fish and Wildlife Service 1999). Exclusion zones will be implemented following USFWS procedures (U.S. Fish and Wildlife Service 1999) or the latest USFWS procedures. The radius of these zones will follow current standards or will be as follows: Potential Den—50 feet; Known Den—100 feet; Natal or Pupping Den—to be determined on a case-by-case basis in coordination with USFWS and DFG. Pipes will be capped and exit ramps will also be installed in these areas to avoid direct mortality.

BMP-1: Nesting Birds. If work is anticipated to occur within the nesting bird season, (February—September), nesting birds, including raptors and other species protected under the Migratory Bird Treaty Act, may be impacted. If active nests are discovered, exclusionary measures and or designated avoidance buffers may be required and implemented according to the guidance in the PG&E Nesting Bird Management Plan. For nests discovered during construction, PG&E implements Work Procedure (WP) 2321 to identify and avoid impacts to nesting birds. WP 2321 generally requires assistance from

the project biologist to determine if the construction action will impact the nest, and if so, identify whether alternative actions or monitoring can be implemented to avoid impacts. If active nests are observed during construction, crews must immediately alert the PG&E project biologist.

BMP-2: Generation of Spoil- Substation. All spoils generated from within PG&E substations require sampling and shall only be disposed of PG&E approved landfills listed in ERTC Attachment Guide, Section 4, Part 1: ENV-4000P-01-JA15 'Job Aid- PG&E Authorized Disposal & Recycling Facilities'. Spoils from within substations are prohibited from give-away. Copies of all manifests are required to be submitted to the Environmental Lead/Project Environmental Field Specialist (EFS).

BMP-3: Asbestos. If any loadbearing structure (poles, towers, concrete pads, etc.) is to be removed, this Project will require asbestos testing and notification to the local Air District or California Air Resource Board (CARB). Notify the Environmental Field Specialist (EFS) at least 45 calendar days prior to work commencing. The Air District must be notified at least 10 working days prior to work (demolition) commencing, some districts require 14 days. If the construction start date changes, notify the EFS immediately as notification to the Air District may need to be resubmitted. EFS is responsible for obtaining any necessary permits from the air district prior to start of work.

BMP-4: Combustion Sources. If project or work involves the installation of a combustion source that may require a local air district permit, please work with the EFS and Air SME to evaluate compliance requirements. Combustion sources, depending on HP or MMBtu rating may require an Authority to Construct Permit prior to any installation activities and a Permit to Operate prior to operating.

Typical Combustion Sources that require permits are:

• Engines ≤50 HP;

• Boilers/Heaters that combust natural gas; and

• Flares

BMP-6: Fugitive Dust General. Types work activities where water trucks or other dust abatement methods are typically required include: excavation, trenching, grading, sand blasting, and demolition. The crew shall not allow visible dust to pass beyond the project boundary. The crew shall abate dust by:

• Applying water to disturbed areas and to storage stockpiles;

• Applying water in sufficient quantities to prevent dust plumes during activities such as clearing &

grubbing, backfilling, trenching and other earth moving activities;

• Limit vehicle speed to 15 miles per hour;

• Load haul trucks with a freeboard (space between top of truck and load) of six inches or greater;

• Cover the top of the haul truck load;

• Clean-up track-out at least daily; and

The crew shall not generate dust in amounts that create a nuisance to wildlife or people, particularly where sensitive receptors such as schools and hospitals are located nearby or down-wind. During

inactive periods (e.g. after normal working hours, weekends, and holidays), the crew shall apply water or other approved material to form a visible crust on the soil and restrict vehicle access.

BMP-6: AQMD. Comply with any applicable requirements of the local AQMD prior to commencing any earth-moving activities.

BMP-7: Hazardous Materials Business Plan. The Environmental Field Specialist (EFS) shall be notified 30 days prior to a threshold exceeding hazardous material/waste being placed on-site. Threshold limits are: 200 cubic feet of compressed gases (1000 cubic feet for simple asphyxiation or the release of pressure only; carbon dioxide), 500 pounds of solids, or 55 gallons of liquids for more than 30 non consecutive days. The following jurisdictions require notification for any amount of hazardous material/waste:

Counties: Nevada, San Bernardino (waste only), San Francisco, Santa Clara (call for city specific

details), Santa Cruz, Yuba (waste only) Cities: Bakersfield (waste only), Berkeley, Healdsburg,

Sebastopol, Petaluma, Santa Clara (call for city specific details)

NOTE: The Project EFS will develop an HMBP if it is required.

BMP-8: Hazardous Waste Management Hazardous Materials Storage. This project may involve the storage of hazardous materials and they must be managed according to regulations and best management practices.

- All releases of hazardous materials must be immediately addressed. Maintain a spill kit onsite during the length of the project. Contact the project EFS for spills of hazardous materials/wastes to determine if agency notifications will be required and/or if additional resources are needed.
- Hazardous materials, greater than 440 lbs and less than 1001 lbs can be transported on PG&E vehicles if the proper MOT shipping paper/MSDS accompanies the load. Contact the project EFS for additional guidance in these areas.
- All hazardous materials containers must be marked correctly.
- All hazardous materials signs must be displayed as required.
- Non saturated oily rags (to be laundered) stored in non-combustible containers.
- Emergency equipment such as fire extinguisher, eye wash, MSDS, etc. on-site.
- Hazardous material containers must be in good condition.
- All hazardous materials must be compatible with containers.
- Hazardous materials containers are kept closed.
- If there is an unauthorized release of hazardous material, contact your Environmental Field Specialist immediately. For after-hours releases contact the Environmental Emergency Hotline at 1-800-874-4043.
- Immediately contact the local EFS and stop work if any of the following conditions occur. After hours or if the local EFS is unavailable, please call the Environmental Hotline at 800-874-4043.

- Discharge or spill of hazardous substance.
- If an Environmental Regulator visits the site;
- Visually cloudy/muddy water is observed leaving the work area;
- An underground storage tank is discovered; or
- A subsurface component related to site remediation activities (e.g., monitoring well, recovery well, injection well) is discovered. No subsurface components may be impacted.

- If during excavation unanticipated evidence of contamination is identified (e.g., staining, odors), work must cease and when safe to do so, cover the trench with steel plates. In order to minimize impacts to public safety and the environment, place contaminated soil on a polyethylene sheet (4 ml) and cover or place the contaminated soil in lined covered containers. Then contact your local/support EFS to determine the next steps.
- If any subsurface components related to site remediation activities (e.g., monitoring well, recovery well, injection well) are discovered in the path of excavation, work must cease in that location and your EFS must be notified to determine the next steps. No subsurface components may be impacted.

BMP-9: Sulfur Hexafluoride (SF6) Gas Material/Waste Management. Before accessing any equipment that may contain SF6 gas byproduct waste, contact your local Environmental Field Specialist (EFS) at least two weeks in advance for assistance in arranging cleanup, transportation and disposal. PSC will retrieve, package, label and transport SF6 byproducts. All SF6 waste that is removed from a Substation must have proper shipping papers which could include a remote waste shipping paper or a manifest (manifests require a temporary EPA ID number).

- Substation personnel shall contact PSC to retrieve, package, label, and transport SF6 byproduct waste (i.e. fluorides of sulfur, metallic fluorides, etc.). All SF6 byproduct waste that is removed must have proper shipping papers, which could include a remote waste shipping paper or a manifest (manifests require a permanent or temporary EPA ID number).
- SF6 cylinder tracking and facility inventory shall be managed in accordance with Utility Procedure TD-3350P-001.

Advanced Specialty Gas (ASG) provides sole-source service in supplying, replacing, removal and recycling of SF6 in all facilities. ASG provides 24-hour service in response to events involving SF6 as well as delivery and removal of all SF6 cylinders. Contact information: ttps://www.advancedspecialtygases.com.

BMP-10: SPCC. The local/support EFS shall be notified 30 days prior to an SPCC triggering event occurs (modification to existing or new storage of >1,320 gallons of oil in containers >55 gallons). If the oil volume is contained in anything greater than 55 gallons, the SPCC Plan must be certified by an engineer. The SPCC containment must be installed prior to moving onsite of quantities requiring containment. The PM number must remain open until the local/support EFS notifies you that the plan is certified by an engineer, and any necessary modifications are complete.

BMP-11: Treated Wood. All new and used treated wood poles shall be managed in accordance with ENV-3000P 07 and stored on horizontal non-treated wood, concrete, or metal support beams raised off the ground to prevent decay and damage. As with any hazardous material, store treated wood away from storm drains.

BMP-12: Treated Wood Waste. All treated wood waste and debris (e.g., poles, cross-arms, saw dust, chips, etc.) shall be transported to the local PG&E or PG&E Contractor approved collection point and placed in designated bins. No poles may be left in place, unless formal authorization is obtained from applicable State and/or Federal agencies or a liability waiver is signed. Please refer to Job Aid ENV-4000P-07.

BMP-13: Stormwater Measures. The Project EFS will provide the Stormwater Group with the following upon completion of the PER: Stormwater Needs Request Form, Soil Disturbance Calculation Spreadsheet, and a KMZ file showing the proposed work area. These documents shall be sent by the Project EFS, via email, to: stormwater@pge.com (if applicable).

BMP-14: Stormwater Management A-ESCPs. Standard PG&E good housekeeping and stockpile management measures shall be implemented.

BMP-15: Small Excavation: Construction Dewatering. Dewatering of trenches or excavations may be required. The Environmental Lead/Project EFS shall be notified at least 30 days in advance to ensure the appropriate dewatering methods are used, proper notifications are made, and, if necessary, applicable authorizations/permits are obtained. All dewatering activities must be coordinated through the Environmental Lead/Project EFS throughout the duration of the project.

BMP-16: Inadvertent Cultural Resource Discovery. If cultural resources are observed during ground disturbing activities, the following procedures will be followed:

• Stop all ground disturbing work within 100 feet of the discovery location to avoid impacts.

• Immediately notify a PG&E Cultural Resource Specialist who will assess the discovery.

• Leave the site or the artifact untouched.

• Record the location of the resource, the circumstances that led to discovery, and the condition of the resource.

• Do not publicly reveal the location of the resource and ensure the location is secured.

• If unsure about the significance or antiquity of a discovery, photograph the artifact or feature with a scale (e.g., coin, tape measure, etc.) and send to a PG&E Cultural Resource Specialist for review. Comprehensive guidance on the protocol related to an inadvertent discovery of potentially significant cultural resources on a job site can be found in Utility Standard ENV-8005S or by consulting a PG&E Cultural Resource Specialist

BMP-17: Human Remains Protocol. Section 7050.5 of the California Health and Safety Code (CHSC) states that it is a misdemeanor to knowingly disturb a human burial. In keeping with the provisions provided in 7050.5 CHSC and Public Resource Code 5097.98, if human remains are encountered (or are suspected) during any project-related activity:

• Stop all work within 100 feet;

• Immediately contact a PG&E Cultural Resource Specialist (CRS), who will notify the county coroner;

• Secure location, but do not touch or remove remains and associated artifacts;

• Do not remove associated spoils or pick through them;

• Record the location and keep notes of all calls and events; and

• Treat the find as confidential and do not publicly disclose the location.

• Upon discovery of cultural resources or suspected human remains, contact the following individual immediately: [CRS Name: Contact to be provided prior to construction]

BMP-18: Bio Survey. A pre-activity survey (PAS) must be performed within 30 days of the construction start date to determine the presence of covered species. Results of the PAS will determine if any additional requirements, including monitoring and species specific AMMs, need to be implemented at these locations during construction. Any identified avoidance measures will be provided to construction crews. Avoidance measures must be adhered to during construction. Contact the PG&E project Biologist at least 30-days prior to start of any project activities, including mobilization and staging of equipment materials.

BMP-19: Worker Awareness Training. Prior to the start of any ground-disturbing activity, PG&E's Cultural Resource Specialist (CRS) shall prepare archeological, historical and paleontological resources sensitivity training materials for use during a Project-wide Worker Environmental Awareness Training (WEAP), or equivalent. The CRS shall make the training materials available for review and comment by the Native American group that expressed interest in the project. The WEAP shall be conducted by a qualified environmental trainer working under the supervision of the CRS. In the event construction crews are phased, additional trainings shall be conducted for new construction personnel. The training session shall focus on the recognition of the types of resources that could be encountered within the Project site and the procedures to be followed if they are found. PG&E and/or its contractor shall retain documentation demonstrating that all construction personnel attended the training prior to the start of work on the site, which documentation shall be made available upon request.

BMP-20: Inadvertent Paleontological Resource Discovery. In the event that a paleontological resource is discovered during ground-disturbing activities, the foreman will temporarily divert the construction equipment around the find until it is assessed for scientific significance. A buffer of at least 50 feet around the discovery will be maintained for safety. The foreman will report the discovery to the site Supervisor and the PG&E point of contact given on the training brochure so that appropriate notifications can be issued. A temporary construction exclusion zone, consisting of lath and flagging tape in a 50-foot radius, will be erected around the discovery. Following fossil collection, the temporary construction exclusion zone will be removed and, once a professional paleontologist has assessed the situation, he/she will notify the site supervisor that construction activities may resume in the area of the find.

BMP-21: Paleontological Resource Monitoring, Salvage, and Treatment Protocols. In the event of a discovery during ground disturbance, the procedures described in APM PALEO-1 (and BMP 21) shall be followed; if significant paleontological resources are encountered, the qualified paleontologist (meeting

the standards set by the Society of Vertebrate Paleontology [SVP]) may recommend paleontological resource monitoring. In the event that monitoring is deemed necessary, the qualified paleontologist shall prepare and the project owner and/or their contractors shall implement, a Paleontological Resources Monitoring and Mitigation Plan (PRMMP), the details of which would be decided based on the significance of the discovery. The plan shall be submitted to the CPUC Project Manager for review before continuing construction activities in the area of the find or as otherwise directed by the qualified paleontologist. This plan shall address specifics of monitoring and mitigation and comply with the recommendations of the SVP (2010), as follows.

- The qualified paleontologist shall identify, and the project owner and/or its contractor(s) shall retain, qualified paleontological resource monitors (qualified monitors) meeting the SVP standards (2010).
- The qualified paleontologist and/or the qualified monitors under the direction of the qualified paleontologist shall conduct paleontological resources monitoring at a frequency and level to be decided based on the significance of the discovery. The PRMMP shall clearly set the parameters of the monitoring.
- Monitors shall have the authority to temporarily halt or divert work away from exposed fossils in order to evaluate and recover the fossil specimens, establishing a 50-foot buffer.
- If construction or other Project personnel discover any potential fossils during construction, regardless of the depth of work or location and regardless of whether the site is being monitored, work at the discovery location shall cease in a 50-foot radius of the discovery until the qualified paleontologist has assessed the discovery and made recommendations as to the appropriate treatment.
- Monitors shall prepare daily logs detailing the types of activities and soils observed, and any discoveries. The qualified paleontologist shall prepare a final monitoring and mitigation report to document the results of the monitoring effort and any curation of fossils. The project owner shall provide the daily logs to the CPUC Project Manager upon request, and shall provide the final report to the CPUC Project Manager upon completion. The qualified paleontologist shall determine the significance of any fossils discovered, and shall determine the appropriate treatment for significant fossils in accordance with the SVP standards. This would be in line with APM PALEO-2, which gives specific details for fossil treatment.

Appendix B

AQ-GHG-Energy Technical Memorandum

DUDEK
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MEMORANDUM

To:	George Gunnoe, QCells USA Corp.
From:	Matthew Morales, Dudek
Subject:	Air Quality, Greenhouse Gas Emissions, and Energy Technical Memorandum for the Saloon BESS Project
Date:	January 16, 2025
cc:	Ronelle Candia, Dudek
Attachment:	A. CalEEMod Outputs B. Health Risk Assessment Model Outputs C. Energy Demand Estimates

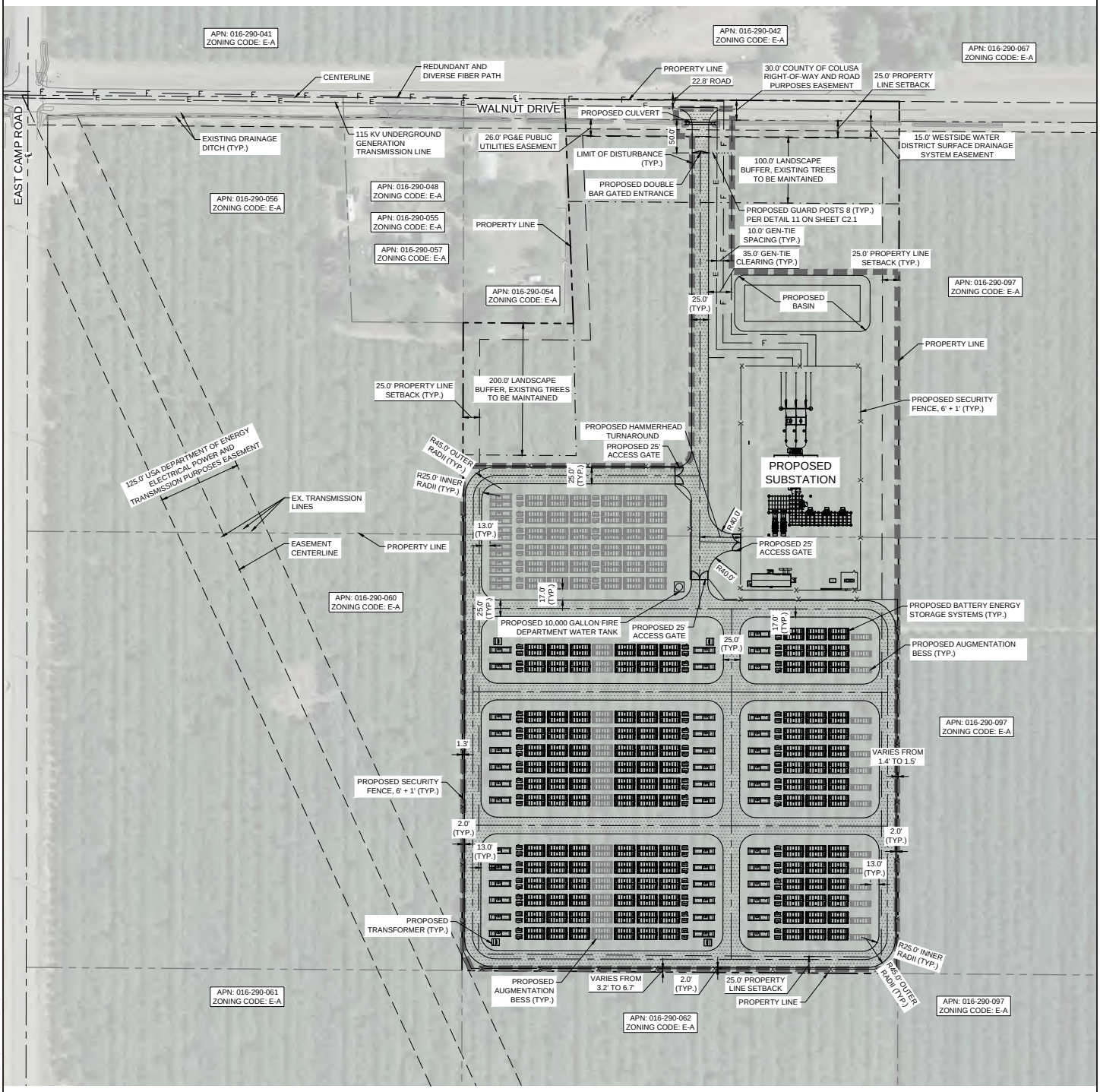
This memorandum estimates criteria air pollutant, greenhouse gas (GHG) emissions, and energy impacts from construction and operation of the Saloon Battery Energy Storage System (BESS) Project (Project), located in unincorporated Colusa County (County), in accordance with the California Environmental Quality Act (CEQA) Guidelines. The contents and organization of this memorandum are as follows: Project Description, Air Quality Assessment, GHG Emissions Assessment, Energy Assessment, Conclusions, and References Cited.

1 Project Description

1.1 Project Overview

The Project would be a 150-megawatt (MW) BESS that would deliver and receive power from the existing Pacific Gas and Electric (PG&E) Cortina Substation located approximately 0.5 miles west of the Project. Utilizing battery technology similar to that used in electric vehicles, the Project would provide additional capacity to the electrical grid to assist with serving load during periods of peak demand by charging when demand is low and discharging when demand is high. This accommodates the integration of additional intermittent renewable energy sources, such as wind and solar, and reduces the need to operate natural gas power plants. The Project would also serve as an additional local capacity resource that would enhance grid reliability.

The Project is designed to charge or discharge electricity to and from the grid via battery storage cabinets with associated on-site support facilities consisting of a Project substation, inverters, collector lines, site security fencing, site access roads, operations and maintenance (O&M) building, a supervisory control and data aquisition (SCADA) system, and other ancillary facilities or equipment (Figure 1). The Project would also include a 115-kilovolt (kV) underground transmission line that would extend approximately 0.5 miles west to the PG&E Cortina Substation. An expansion of the existing Cortina Substation would not be required to interconnect to the Project.



SOURCE: Kimley Horn 2024

FIGURE 1

Site Plan

Saloon Battery Energy Storage System Project

DUDEK

The Project facilities would be remotely operated year-round and would be available to receive or deliver electrical energy to the grid 24 hours a day, 365 days a year. After commissioning and during the operational life of the Project, qualified technicians would routinely inspect the BESS and conduct necessary maintenance to ensure safe operational readiness. If an issue arises, the system can remotely shut down and de-energize.

1.2 Project Design Features

The Project would implement construction-related project design features (PDFs) intended to reduce emissions of criteria air pollutants and toxic air contaminants (TACs) as follows:

PDF-AQ-1: The Project applicant shall use a California Air Resources Board (CARB)-certified Tier 4 Final engine for the diesel generator to be used during the commissioning phase of construction and as an emergency generator during operations.

PDF-AQ-2: Standard construction practices that would be employed to reduce fugitive dust emissions include watering of the active sites two times per day, depending on weather conditions.

PDF-AQ-1 and PDF-AQ-2 would be required as County-imposed Conditions of Approval to ensure they are implemented during the Project.

2 Air Quality Assessment

2.1 Background

2.1.1 Criteria Air Pollutants

The Project site is located within the Sacramento Valley Air Basin (SVAB) and is within the jurisdictional boundaries of the Colusa County Air Pollution Control District (CCAPCD), which has jurisdiction over the County where the Project is located. Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria air pollutants that are evaluated include volatile organic compounds (VOCs; sometimes referred to as reactive organic gases (ROGs)), oxides of nitrogen (NO_x), carbon monoxide (CO), sulfur oxides (SO_x), particulate matter with an aerodynamic diameter less than or equal to 10 microns in size (coarse particulate matter, or PM_{10}), and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in size (fine particulate matter, or $PM_{2.5}$). VOCs and NO_x are important because they are precursors to ozone (O_3).

Regarding National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) attainment status,[1] Colusa County is currently designated nonattainment of the CAAQS for PM_{10} and attainment or unclassified for all other NAAQS and CAAQS (CARB 2023, EPA 2024a).

[1] An area is designated as in attainment when it is in compliance with the NAAQS and/or the CAAQS. These standards are set by the Environmental Protection Agency (EPA) and the California Air Resources Board (CARB), respectively, for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare.

2.1.2 Non-Criteria Air Pollutants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic noncancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years. Examples of TACs include diesel particulate matter (DPM) and asbestos.[2]

Although CARB has identified more than 200 TACs, approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). DPM is emitted from a broad range of diesel engines: on-road diesel engines of trucks, buses, and cars and off-road diesel engines including locomotives, marine vessels, and heavy-duty construction equipment, among others. DPM is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70 the diameter of a human hair), and thus is a subset of $PM_{2.5}$. DPM is typically composed of carbon particles (soot, also called black carbon) and numerous organic compounds, including over 40 known carcinogenic organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2024a). DPM contributes to premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Those most vulnerable to noncancer health effects are children, whose lungs are still developing, and the elderly, who often have chronic health problems (CARB 2024a).

Naturally occurring asbestos (NOA) is found in some areas throughout California, including Colusa County, most commonly where ultramafic rock or serpentinite rock is present. When construction activities occur in areas with naturally occurring asbestos in the soils or rock, the asbestos fibers can become airborne and may be inhaled, which can cause chronic local inflammation and disrupt orderly cell division, both of which can facilitate the development of asbestosis (a noncancerous lung disease involving fibrotic scarring of the lungs) and cancer (OEHHA 2000).

Coccidioidomycosis, more commonly known as "Valley Fever," is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. California Labor Code section 6709 defines "highly endemic" areas for valley fever as those areas where the annual incidence rate is

Attainment = meets the standards; attainment/maintenance = achieve the standards after a nonattainment designation; nonattainment = does not meet the standards; unclassified = expected to be meet the standard despite a lack of monitoring data.

[2] Asbestos is the common name for a group of naturally occurring fibrous silicate minerals that can separate into thin but strong and durable fibers, with principal forms including chrysotile, crocidolite, amosite, tremolite, actinolite, and anthophyllite (OEHHA 2000).

greater than 20 cases per 100,000 persons per year. Colusa County is not considered a highly endemic region for Valley Fever, as the latest report from the California Department of Public Health (CDPH) indicated the County has 1 case per 100,000 people (CDPH 2023). In contrast, in 2022 the statewide annual incident rate was 19.1 per 100,000 people. The California counties considered highly endemic for Valley Fever include Kern (264.9 per 100,000), Kings (111.0 per 100,000), Tulare (65.7 per 100,000), San Luis Obispo (51.5 per 100,000), Fresno (44.3 per 100,000), Madera (32.4 per 100,000), and Ventura (28.3 per 100,000), which accounted for 50.5% of the reported cases in 2022 (CDPH 2023).

2.1.3 Odorous Compounds

Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The ability to detect odors varies considerably among the population and overall is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. In a phenomenon known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

2.2 Significance Criteria and Methodology

2.2.1 Thresholds of Significance

The significance criteria used to evaluate the Project impacts to air quality are based on the recommendations provided in Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.). For the purposes of this air quality analysis, a significant impact would occur if the Project would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

CEQA Guidelines Appendix G indicates that, where available, significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether the Project would have a significant impact on air quality. As the CCAPCD has not yet developed significance thresholds for air quality impacts, the County recommended using thresholds that were adopted by the Butte County Air Quality Management District (BCAQMD) to determine significance, based on proximity in the SVAB (Geiger 2024). The most recent BCAQMD *CEQA Air Quality Handbook – Guidelines for Assessing Air Quality and Greenhouse Gas Impacts for Projects Subject to CEQA Review* (CEQA Air Quality Handbook) were adopted in March 2024 and include guidelines for project analysis and thresholds for criteria air pollutants, TACs, and GHG emissions (BCAQMD 2024). The BCAQMD CEQA Air Quality Handbook outlines screening criteria for different types and sizes of land uses. However, for projects that do not meet the screening criteria, the BCAQMD requires that criteria air pollutant and

GHG emissions be estimated using the California Emissions Estimator Model (CalEEMod), or another acceptable model. As the Project is not one of the types included in the screening options, the quantitative air quality analysis for the Project provided herein applies the BCAQMD thresholds identified below:

- Result in short-term (construction) emissions of ROG or NO_x above 137 lbs/day or above 4.5 tons/year, or emissions of PM_{10} or $PM_{2.5}$ above 80 pounds/day;
- Result in long-term (operational) emissions of ROG or NO_x above 25 lbs/day or emissions of PM_{10} or $PM_{2.5}$ above 80 lbs/day.

Regarding localized CO, although neither the CCAPCD nor BCAQMD have screening levels for intersection traffic that could result in potential CO hotspots, several other air districts have established these levels, which are described below to provide context of the magnitude of hourly volumes that could result in significant localized CO:

- The South Coast Air Quality Management District (SCAQMD) conducted CO modeling for its 2003 Air Quality Management Plan (SCAQMD 2003) for the four worst-case intersections in the South Coast Air Basin. At the time, the 2003 Air Quality Management Plan was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic volume of approximately 100,000 vehicles per day. Using CO emission factors for 2002, the peak modeled CO 1-hour concentration was estimated to be 4.6 ppm at the intersection of Wilshire Boulevard and Veteran Avenue. Accordingly, CO concentrations at congested intersections would not exceed the 1-hour or 8-hour CO CAAQS unless projected daily traffic would be at least more than 100,000 vehicles per day.
- The Bay Area Air Quality Management District (BAAQMD) determined that projects would result in a less-than-significant impact to localized CO concentrations if (1) project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour, or (2) project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway) (BAAQMD 2023).

Based on the Project's proximity to the San Francisco Bay Area Air Basin, the BAAQMD screening criteria has been applied to this Project as a metric to evaluate CO hotspots.

In addition to criteria air pollutants, the BCAQMD has adopted the following thresholds to evaluate the significance of TACs:

- Result in TAC exposures at sensitive receptors within 1,000-feet from the project during construction or operations that create a lifetime cancer risk exceeding 10 in 1 million for individual projects, or increased non-cancer risk exceeding a hazard index of 1, or ambient diesel $PM_{2.5}$ exceeding an annual average of 0.3 ug/m^3;
- Result in cumulative TAC exposures at sensitive receptors within 1,000-feet from the project during construction or operations that create a lifetime cancer risk exceeding 10 in 1 million for individual projects, or increased non-cancer risk exceeding a hazard index of 1, or ambient diesel $PM_{2.5}$ exceeding an annual average of 0.8 ug/m^3 for new sources of TACs.

As indicated above, the BCAQMD recommends a carcinogenic (cancer) risk threshold of 10 in one million (BCAQMD 2024). For context, the National Cancer Institute estimates that approximately 40.5% of people will be diagnosed with cancer during their lifetimes (National Cancer Institute 2024). A cancer risk of 10 in a million indicates that a person has an additional risk of 10 chances in a million (0.001%) of developing cancer during their lifetime as a result of the air pollution scenario being evaluated, which is minimal and defined as the "No Significant Risk Level" for carcinogens in Proposition 65. Additionally, some TACs increase noncancer health risk due to long-term (chronic) or short-term (acute) exposures. The Hazard Index is the sum of the individual substance chronic or acute hazard indices for all TACs affecting the same target organ system.

2.2.2 Methodology

2.2.2.1 Construction

Emissions from the construction phase of the Project were estimated using CalEEMod version 2022.1. For the purposes of modeling, it was assumed that construction of the Project would commence in July 2026[3] and would last approximately 12 months, ending in July 2027. The Project was assumed to be operational for 25 years and then be decommissioned and removed at the end of its lifetime. Because the EMFAC and OFFROAD models within CalEEMod only have emission factors out to 2050, 2050 was used as the surrogate year for decommissioning, which is planned for 2052. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate):

- Site Preparation – 4 weeks
- Grading – 8 weeks
- Battery/Container Installation – 40 weeks
- Substation Installation – 16 weeks
- Gen-Tie Site Preparation – 2 weeks
- Gen-Tie Foundation and Tower Erection – 1 week
- Gen-Tie Stringing and Pulling – 4 weeks
- Commissioning – 4 weeks
- Decommissioning – 28 weeks

The majority of the phases listed above would occur concurrently and would not occur sequentially in isolation. The estimated construction duration was provided by the Project applicant. Detailed construction equipment modeling assumptions are provided in Attachment A, CalEEMod Outputs.

The construction equipment mix used for estimating the construction emissions of the Project is based on information provided by the Project applicant and is shown in Table 1.

[3] The analysis assumes a construction start date of July 2026, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

Table 1. Construction Scenario Assumptions

Construction Phase	Average One-Way Vehicle Trips			Equipment		
	Workers	Vendor Trucks	Haul Trucks	Equipment Type	Quantity	Daily Usage Hours
Site Preparation	40	8	0	Rubber Tired Dozers	2	10
				Tractors/Loaders/ Backhoes	2	10
Grading	40	8	0	Graders	2	10
				Tractors/Loaders/ Backhoes	2	10
				Rollers	2	10
Battery/Container Installation	120	40	2	Air Compressors	1	10
				Cranes	1	10
				Forklifts	1	10
				Tractors/Loaders/ Backhoes	1	10
Substation Installation	30	16	24	Aerial Lifts	1	10
				Air Compressors	1	10
				Bore/Drill Rigs	1	10
				Forklifts	1	10
				Trenchers	1	10
Gen-Tie Site Preparation	20	8	0	Rubber Tired Dozers	1	10
				Tractors/Loaders/ Backhoes	1	10
Gen-Tie Foundation and Tower Erection	20	8	0	Air Compressors	1	10
				Cranes	1	10
				Forklifts	1	10
				Pumps	1	10
				Welders	2	10
				Cement and Mortar Mixers	1	10
Gen-Tie Stringing and Pulling	20	8	0	Aerial Lifts	1	10
				Tractors/Loaders/ Backhoes	1	10
Commissioning	320	0	0	Generator Sets	1	4
Decommissioning	80	8	4	Concrete/Industrial Saws	2	10
				Cranes	2	10
				Rubber Tired Dozers	2	10
				Tractors/Loaders/ Backhoes	2	10

Note: See Attachment A for details.

For the analysis, it was assumed that heavy construction equipment would be operating 5 days per week (22 days per month) during Project construction. Construction worker and vendor trips were based on applicant provided data. Equipment emissions were estimated using the CalEEMod default emission factors for the construction duration (CAPCOA 2022).

As indicated in Table 1, one 1,360 horsepower (hp) generator was assumed to operate for four hours per day during commissioning in order to maintain optimal battery temperatures until electrical hook-ups are established for the facility. As CalEEMod does not include emission factors for this size generator, a spreadsheet model was used to estimate emissions using EPA and CARB standards for Tier 4 Final generator engines, per PDF-AQ-1.

All vehicles and haul trucks would travel to and from the onsite staging area. Earthwork for construction would be balanced on-site. In addition, haul trucks during the Battery/Container Installation phase were assumed to travel 120 miles from the nearest port (Port of San Francisco) to the Project site for container deliveries.

A detailed depiction of the construction schedule—including information regarding phases and equipment used during each phase—is included in Attachment A to this memorandum. The information contained in Attachment A was used as CalEEMod model inputs.

2.2.2.2 Operation

Emissions from the operational phase of the Project were estimated using CalEEMod. Operational year 2027 was assumed following completion of construction.

Mobile Sources

Following the completion of construction activities, the Project would generate criteria pollutant emissions from mobile sources (vehicular traffic). However, emissions from mobile sources would be minimal, as the BESS facility would be unstaffed and instead would include remote operational control. Routine/scheduled operations would require 1 or 2 workers in a light utility truck to visit the facility on a weekly basis. Typically, 1 major maintenance inspection would take place annually, requiring approximately 10 personnel for approximately one week. In addition, it was assumed that every 3 to 4 years the site would be visited by a 20-person work crew in order to add or connect additional batteries to the facility. This replenishment activity would offset the degradation of the batteries and maintain the overall performance of the facility. CalEEMod was used to estimate emissions from proposed vehicular sources. CalEEMod default data, including trip characteristics, variable start information, and emissions factors were used for the model inputs. Emission factors representing the vehicle mix and emissions for 2027 were used to estimate emissions associated with vehicular sources.

Area Sources

The area source category calculates direct sources of air pollutant emissions located at the Project site, including consumer product use and landscape maintenance equipment. CalEEMod defaults were used to estimate emissions from area sources during operation of the Project.

Consumer products are various solvents used in non-industrial applications which emit VOCs during their product use, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Consumer product

VOC emissions are estimated in CalEEMod based on the floor area of buildings and on the default factor of pounds of VOC per building square foot per day. The CalEEMod default utilization rates and emission factors were assumed.

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers, as well as air compressors, generators, and pumps. The emissions associated from landscape equipment use were estimated using CalEEMod. The emission factors are multiplied by the number of summer days that represent the number of operational days.

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of the power plant, which is typically off site. The Project would not use natural gas.

Off-Road Equipment

It was assumed that the Project would involve using a crane and forklift once every 3 to 4 years during routine maintenance to be able to lift and move the modular containers. CalEEMod default equipment size and load factors were assumed. It was assumed that the crane and forklift would operate for 8 hours on 1 day every 3 years.

Stationary

The Project would generate criteria pollutant emissions from one stationary emergency generator with an operating horsepower of 1,360 hp. The operation of this emergency generator was modeled within CalEEMod and was assumed to operate for two hours per day and up to 100 hours per year for routine testing and maintenance per the CARB Air Toxics Control Measure for Stationary Compression Ignition Engines.

2.2.2.3 Health Risk Assessment

The greatest potential for TAC emissions during Project construction would be DPM emissions from heavy equipment operations and heavy-duty trucks. During long-term operations, the routine testing and maintenance of the emergency diesel generator would also result in DPM emissions. As a precautionary measure, an HRA was performed to assess the impact of Project construction and operations on sensitive receptors proximate to the Project site. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases and facilities and structures where these air pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air pollution-sensitive individuals are most likely to spend time include residences, hospitals, nursing homes, day care centers, schools, churches, or other structures or land uses indicating a possible sensitive receptor (BCAQMD 2024).

The HRA applies the methodologies prescribed in the Office of Environmental Health Hazard Assessment (OEHHA) document, *Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments* (OEHHA Guidance Manual) (OEHHA 2015). Cancer risk parameters, such as age-sensitivity factors, daily breathing rates, exposure period, fraction of time at home, and cancer potency factors were based on

the values and data recommended by OEHHA are implemented in CARB's Hotspots Analysis and Reporting Program Version 2 (HARP2), which was used to estimate risk from Project construction and operational activities.

The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. For risk assessment purposes, $PM_{2.5}$ in diesel exhaust is considered a proxy for DPM.[4] DPM has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in this assessment.

A dispersion modeling analysis was conducted of DPM from Project construction and operations for the HRA to assess the health risk impacts on proximate existing off-site sensitive receptors. The dispersion modeling was performed using the American Meteorological Society/EPA Regulatory Model (AERMOD), which is the model CCAPCD requires for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain. Principal parameters of this modeling are presented in Table 2, with complete model results included as Attachment B.

Table 2. AERMOD Principal Parameters

Parameter	Details
Dispersion Model	The air dispersion model used was AERMOD Version 23132, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 12.0.0. A unit emission rate (1 gram per second [g/s]) was normalized over the line of adjacent volume sources and area sources for the AERMOD run to obtain the X/Q values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength. It is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and PERIOD averaging periods.
Meteorological Data	The latest 5-year meteorological data for the Yuba County Airport station were obtained from CARB and used in the analysis as the most representative data set, based on surrounding terrain and proximity to the Project.
Urban versus Rural Option	Urban areas typically have more surface roughness, as well as structures and low-albedo surfaces that absorb more sunlight—and thus more heat—relative to rural areas. Based on the land use procedure from 4.4.1 of the OEHHA Guidance Manual, the rural dispersion was appropriate for the Project site (OEHHA 2015).
Terrain Characteristics and Elevation Data	Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate, and elevations were assigned to the emission sources and receptors. Digital elevation data were obtained through AERMOD View in the U.S. Geological Survey's National Elevation Dataset format with an approximately 1 arc-second resolution.
Emission Sources and Release Parameters	The following modeling parameters were based on the best information available at the time of analysis.

[4] Under California regulatory guidelines, DPM is used as a surrogate measure of carcinogen exposure for the mixture of chemicals that make up diesel exhaust as a whole. The California EPA is a proponent of using the surrogate approach to quantifying cancer risks associated with diesel exhaust over a component-based approach, which involves estimating risks for each of the individual components of a mixture. The California EPA has concluded that "potential cancer risk from inhalation exposure to whole diesel exhaust will outweigh the multi-pathway cancer risk from the speciated components" (OEHHA 2003).

Table 2. AERMOD Principal Parameters

Parameter	Details
	• Off-road equipment and trucks were modeled as a line of adjacent volume sources across the Project site and gen-tie alignment with a release height of 5 meters, a plume height of 10 meters, and plume width of 10 meters (SCAQMD 2008). • Per the generator specification sheet, the unit would have two capped vertical exhaust stacks, each with a height of 4.3 meters, inside stack diameter of 0.2 meters, gas exhaust temperature of 479°Celsius, and gas exhaust velocity of 1.84 cubic meters per second (Generac 2015).
Variable Emissions	Emissions were assumed to occur 8 hours per day, 5 days per week.
Receptors	To evaluate off-site receptor exposure to DPM from Project construction and operations, a nested grid was input with the following parameters: 50-meter spacing at bounding box around construction; 100-meter spacing from 0 to 500 meters from construction boundary.

Source: Generac 2015; OEHHA 2015; SCAQMD 2008. See also Attachment B for model outputs and parameters.
Notes: AERMOD = American Meteorological Society/EPA Regulatory Model; CARB = California Air Resources Board; OEHHA = Office of Environmental Health Hazard Assessment; DPM = diesel particulate matter; hp = horsepower; SCAQMD = South Coast Air Quality Management District.

Table 3 presents the estimated annual construction DPM generated by source and phase during construction and operation of the Project.

Table 3. Project Diesel Particulate Matter Emissions Inventory

Source/Construction Phase	TAC	CAS	Emissions	
			lb/yr	lb/hr
On-Site Equipment and Trucks for Construction	DPM	9901	104.16	0.040
Gen-Tie Equipment and Trucks	DPM	9901	6.86	0.003
Diesel Generator for Commissioning	DPM	9901	3.85	0.001
Emergency Diesel Generator Testing for Operations	DPM	9901	4.82	0.001
Equipment and Trucks for Decommissioning	DPM	9901	47.15	0.018

Source: Attachment B.
Notes: DPM = diesel particulate matter; CAS = Chemical Abstracts Service; lb/yr = pounds per year; lb/hr = pounds per hour.

Dispersion model plotfiles from AERMOD and the emissions inventory were then imported into CARB's HARP2 to determine health risk from exposure to TAC emissions using the OEHHA Derived Method. Regarding pathways evaluated in HARP2, the mandatory minimum pathways were selected, which includes inhalation and additional pathways; however, inhalation is the only applicable pathway for DPM. Exposure was assumed to start during the 3rd trimester of pregnancy for residential uses, per OEHHA guidance (OEHHA 2015). The Project's potential cancer and noncancer health impacts at the maximally exposed individual resident (MEIR) from the Project sources were summed based on the following exposure parameters:

- On-Site Equipment and Trucks for Construction: exposure was assumed to begin in the 3rd trimester of pregnancy (assumed to be the worst-case scenario for cancer risk) for a duration of 1 year.
- Gen-Tie Equipment and Trucks: exposure was assumed to begin at year 0.5 for a duration of 0.13 years.

- Diesel Generators for Commissioning: exposure was assumed to begin at year 1 for a duration of 0.08 years.
- Emergency Generator Testing for Operations: exposure was assumed to begin at year 2 for a duration of 25 years.[5]
- Equipment and Trucks for Decommissioning: exposure was assumed to begin at year 27 for a duration of 0.54 years.

The following equations were used in HARP2 to calculate the cancer risk using the model output data and estimated TAC emissions (OEHHA 2015):

$$Cancer\ risk = DOSE * CPF * ASF * ED/AT * FAH,$$

$$DOSE = (C_{air} * DBR * A * EF * 10^{-6}),$$

$$C_{air} = ER * X/Q,$$

Where:

DOSE = daily inhalation dose (mg/kg-day),
CPF = cancer potency factor $(mg/kg\text{-}day)^{-1}$,
ASF = age sensitivity factor for a specified age group (unitless),
ED = exposure duration (in years) for a specified age group,
AT = averaging time for lifetime cancer risk (years),
FAH = Fraction of time spent at home (unitless),
C_{air} = average air concentration of TAC from the air dispersion model ($\mu g/m^3$),
DBR = daily breathing rate (L/kg body weight-day),
EF = exposure frequency (unitless), days/365 days,
A = inhalation absorption factor (unitless),
10^{-6} = micrograms to milligrams conversion, liters to cubic meters conversion,
ER = emission rates (grams/second),
X/Q = model output data ($\mu g/m^3$)/(grams/second).

The chronic hazard quotients were calculated for TACs using the following equations as assumed in HARP2 (OEHHA 2015):

$$HQ_C = (C_{air} / REL),$$

Where:

HQ_C = chronic hazard quotient,
C_{air} = annual average concentration ($\mu g/m^3$),
REL = chronic reference exposure level ($\mu g/m^3$).

[5] Based on input from the applicant, the anticipated life of the Project would be 25 years.

2.3 Impact Analysis

2.3.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

Colusa County is currently designated nonattainment of the CAAQS for PM_{10} and attainment or unclassified for all other NAAQS and CAAQS (CARB 2023, EPA 2024a). In general, a project would conflict with or obstruct implementation of the applicable attainment plan if it would result in or induce growth in population, employment, land use, or regional vehicle miles traveled (VMT) that is inconsistent with the growth (and therefore the emission projection) assumptions in the applicable attainment plan (BCAQMD 2024).

As discussed in Section 2.3.2 below, Project construction and operational emissions would not exceed the applied BCAQMD thresholds. for the The Project would also be required to comply with all applicable CCAPCD Rules and Regulations, including, but not limited to Rules 200 (Nuisance), 201 (Visible Emissions), and 252 (Stationary Internal Combustion Engines).

The Project site has a land use designation of AG (Agriculture General) per the Colusa County General Plan (Colusa County 2012) and is currently zoned as E-A (Exclusive Agriculture) per the Colusa County Zoning Code (Colusa County 2014). The Colusa County Zoning Code addresses allowable uses in the E-A zoning district, which allows energy generation for off-site use if a Use Permit is approved by the Colusa County Planning Commission. The Project would be consistent with the land use designations and zoning for the sites and, as an unmanned facility, would not result in or induce inconsistent growth in population, employment, or VMT.

Based on the preceding considerations, the Project would not conflict with or obstruct implementation of any applicable air quality attainment plan. This impact would be less than significant.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

2.3.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard?

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the CCAPCD develops and implements plans for future attainment of the ambient air quality standards. CEQA thresholds are established at levels that the air basin can accommodate without affecting the attainment date for the ambient air quality standards. Based on these considerations, Project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a project's individual emissions would have a cumulatively significant impact on air quality.

Construction Emissions

Proposed construction activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment and soil disturbance) and off-site sources (i.e., on-road vendor trucks, haul trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for particulate matter, the prevailing weather conditions. Therefore, such emission levels can only be approximately estimated.

CalEEMod Version 2022 was used to estimate emissions from construction of the Project. Internal combustion engines used by construction equipment, trucks, and worker vehicles would result in emissions of ROG, NO_x, CO, PM_{10}, and $PM_{2.5}$. PDF-AQ-1, which requires a Tier 4 Final engine for the diesel generator, was accounted for in the emissions estimates. PM_{10} and $PM_{2.5}$ emissions would also be generated by entrained dust, which results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil. PDF-AQ-2 was accounted for in the emissions estimates, which requires standard construction practices to reduce fugitive dust, such as watering actively disturbed areas two time per day.

CalEEMod calculates maximum daily emissions for summer and winter periods. As such, the estimated maximum daily construction emissions for both summer and winter periods are summarized in Table 4. Details of the emission calculations are provided in Attachment A.

Table 4. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Summer						
2026 (Construction)	2.75	25.93	30.23	0.11	8.10	4.40
2027 (Construction)	2.71	17.77	42.29	0.10	3.57	1.26
2050 (Decommissioning)	2.40	14.86	23.99	0.08	1.64	0.66
Winter						
2026 (Construction)	3.77	39.94	39.81	0.14	9.43	4.06
2027 (Construction)	3.58	38.24	38.75	0.14	9.34	3.98
2050 (Decommissioning)	2.39	14.94	23.35	0.08	1.64	0.66
Maximum Daily Emissions	**3.77**	**39.94**	**42.29**	**0.14**	**9.43**	**4.40**
BCAQMD Threshold	*137*	*137*	*N/A*	*N/A*	*80*	*80*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Attachment A.
Notes: ROG = reactive organic gases; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; BCAQMD = Butte County Air Quality Management District.
Emissions estimates for the Project include implementation of PDF-AQ-1 (Tier 4 generator) and PDF-AQ-2 (fugitive dust control).

Annual emissions from Project construction were also estimated and are summarized in Table 5 below.

Table 5. Estimated Annual Construction Criteria Air Pollutant Emissions

Year	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
2026 (Construction)	0.15	1.47	1.61	0.01	0.31	0.13
2027 (Construction)	0.13	1.11	1.57	<0.01	0.27	0.09
2050 (Decommissioning)	0.17	1.04	1.64	0.01	0.11	0.05
Maximum Annual Emissions	**0.17**	**1.47**	**1.64**	**0.01**	**0.31**	**0.13**
BCAQMD Threshold	*4.5*	*4.5*	*N/A*	*N/A*	*N/A*	*N/A*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Attachment A.
Notes: ROG = reactive organic gases; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; BCAQMD = Butte County Air Quality Management District.
Emissions estimates for the Project include implementation of PDF-AQ-1 (Tier 4 generator) and PDF-AQ-2 (fugitive dust control).

As depicted in Table 4 and Table 5 above, short-term construction criteria pollutant emissions generated by the Project would not exceed the respective daily and annual BCAQMD thresholds and would result in a less-than-significant impact.

Operational Emissions

Operation of the Project would generate infrequent criteria pollutant emissions from mobile sources (vehicular traffic), area sources (consumer products, landscaping equipment), off-road equipment (for container movement), and stationary sources (emergency generator). No natural gas would be used by the Project. Table 6 summarizes the unmitigated maximum daily operational emissions associated with the Project. Detailed operational model outputs are presented in Attachment A.

Table 6. Estimated Maximum Daily Operation Criteria Air Pollutant Emissions

Emissions Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Summer						
Mobile	0.36	0.50	4.44	0.01	0.97	0.25
Area	0.02	<0.01	0.03	<0.01	<0.01	<0.01
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.43	3.90	4.09	0.01	0.16	0.15
Stationary	0.61	2.19	11.38	0.02	0.10	0.10
Total Daily Summer Emissions	**1.43**	**6.60**	**19.94**	**0.04**	**1.23**	**0.50**
Winter						
Mobile	0.32	0.59	3.43	0.01	0.97	0.25
Area	0.02	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.43	3.90	4.09	0.01	0.16	0.15
Stationary	0.61	2.19	11.38	0.02	0.10	0.10

Table 6. Estimated Maximum Daily Operation Criteria Air Pollutant Emissions

Emissions Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Total Daily Winter Emissions	1.38	6.68	18.90	0.04	1.23	0.50
Maximum Daily Emissions	1.43	6.68	19.94	0.04	1.23	0.50
BCAQMD Threshold	25	25	N/A	N/A	80	80
Threshold Exceeded?	No	No	No	No	No	No

Source: Attachment A.
Notes: ROG = reactive organic gases; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; BCAQMD = Butte County Air Quality Management District.
Emissions estimates for the Project include implementation of PDF-AQ-1 (Tier 4 generator).

As depicted in Table 6 above, long-term operational criteria pollutant emissions generated by the Project would be minimal and would not exceed the respective BCAQMD thresholds and would result in a less-than-significant impact.

Based on the preceding considerations, the Project would not result in a cumulatively considerable net increase of any criteria pollutant during construction or operation.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

2.3.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

The Project consists of a BESS facility that may have the potential to affect nearby sensitive receptors. Sensitive receptors within 1,000 feet of the Project would be scattered single-family residences, the nearest of which would be adjacent (approximately 135 feet) to the west of the Project boundary. Figure 2 depicts sensitive receptors within the vicinity of the Project.

Health Effects of Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (immediate) and/or chronic (cumulative) non-cancer health effects. A toxic substance released into the air is considered a TAC. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects.



SOURCE: Bing Aerial Imagery Accessed 2025; OpenStreetMaps 2019

DUDEK

0 250 500 Feet

FIGURE 2

Receptors

Saloon Battery Energy Storage System Project

TACs that would potentially be emitted during construction activities would be DPM emitted from heavy-duty construction equipment and heavy-duty trucks. Heavy-duty construction equipment and diesel trucks are subject to CARB Airborne Toxic Control Measures to reduce DPM emissions. In addition, the Project would include a diesel generator during the commissioning phase of construction and to supply power to the Project during operations in case of an emergency. A HRA was performed for the Project to evaluate the risk from diesel exhaust emissions from construction and operations on existing proximate off-site sensitive receptors. The HRA methodology was described in Section 2.2.2, and the detailed assessment is provided in Appendix B. Table 7 summarizes the results of the HRA for the Project at the MEIR, which would be adjacent to the Project site. In addition, as no other sources of TACs were identified within 1,000 feet of the Project site, Table 7 also represents the cumulative risk values for the Project.

Table 7. Health Risk Assessment Results

Impact Parameter	Units	Project Impact	BCAQMD CEQA Threshold	Level of Significance
MEIR				
Cancer Risk	Per million	4.28	10.0	Less than significant
HIC	Not applicable	0.007	1.0	Less than significant
$PM_{2.5}$	$\mu g/m^3$	0.025	0.3	Less than significant

Source: Appendix B.
Notes: CEQA = California Environmental Quality Act; MEIR = maximum exposed individual resident; HIC = Chronic Hazard Index; $PM_{2.5}$ = fine particulate matter; $\mu g/m^3$ = micrograms per cubic meter; BCAQMD = Butte County Air Quality Management District.
Risk estimates and emissions of $PM_{2.5}$ include implementation of PDF-AQ-1 (Tier 4 generator) and PDF-AQ-2 (fugitive dust control).

As shown in Table 7, the results of the HRA for the Project demonstrate that the combined construction and operational emissions would result in a potential incremental increase in cancer risk, Chronic Hazard Index, and $PM_{2.5}$ concentrations that would each be below the applicable BCAQMD thresholds at the MEIR. Potential health risk impacts associated with Project would be less than significant on both an individual Project-level and cumulative basis.

Valley Fever Exposure

As described in Section 2.1, coccidioidomycosis, more commonly known as "Valley Fever," is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. Colusa County is not considered a highly endemic region for Valley Fever (CDPH 2023). Even if present at the site, construction activities may not result in increased incidence of Valley Fever. Propagation of Valley Fever is dependent on climatic conditions, with the potential for growth and surface exposure highest following early seasonal rains and long dry spells. Valley Fever spores can be released when filaments are disturbed by earth-moving activities, although receptors must be exposed to and inhale the spores to be at increased risk of developing Valley Fever. Moreover, exposure to Valley Fever does not guarantee that an individual will become ill—approximately 60% of people exposed to the fungal spores are asymptomatic and show no signs of an infection (USGS 2000).

In order to reduce fugitive dust from the Project and minimize adverse air quality impacts, the Project would be required to address dust in accordance PDF-AQ-2, which would limit the amount of fugitive dust generated during construction. These requirements are consistent with California Department of Public Health recommendations for the implementation of dust control measures, including regular application of water during soil-disturbance activities, to reduce exposure to Valley Fever by minimizing the potential that the fungal spores become airborne

(CDPH 2013). Further, regulations designed to minimize exposure to Valley Fever hazards are included in Title 8 of the California Code of Regulations and would be complied with during the Project's construction phase (California Department of Industrial Relations 2022).

In summary, the Project would not result in a significant impact attributable to Valley Fever exposure based on its geographic location and compliance with applicable regulatory standards and dust mitigation measures, which will serve to minimize the release of and exposure to fungal spores. Therefore, impacts associated with Valley Fever exposure for sensitive receptors would be less than significant.

Naturally Occurring Asbestos

Based on *A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos* (California Department of Conservation 2000), the Project area is not identified as containing naturally occurring asbestos. As such, the potential for exposure to asbestos would be a less than significant impact.

Health Effects of Criteria Air Pollutants

As described in Section 2.3.1, Colusa County is currently designated nonattainment of the CAAQS for PM_{10} and attainment or unclassified for all other NAAQS and CAAQS (CARB 2023, EPA 2024a). As indicated in Tables 4 through 6, Project-generated construction and operational emissions would not exceed the emission-based significance thresholds for ROG, NO_x, PM_{10}, or $PM_{2.5}$.

The health effects associated with O_3 include respiratory symptoms, worsening of lung disease leading to premature death, and damage to lung tissue (CARB 2024b). The contribution of ROG and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SVAB due to O_3 precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the ROG emissions would occur because exceedances of the O_3 CAAQS/NAAQS tend to occur between April and October when solar radiation is highest. The holistic effect of a single project's emissions of O_3 precursors is speculative due to the lack of quantitative methods to reliably and meaningfully assess this impact. Thus, a project's ROG and NO_x emissions are evaluated in the context of the air district significance thresholds, which define the levels of emissions that can occur without causing or contributing to violations of the NAAQS or CAAQS. In turn, the NAAQS and CAAQS define the pollutant concentrations above which adverse health effects are expected to occur. Nonetheless, the ROG and NO_x emissions associated with Project construction and operations could minimally contribute to regional O_3 concentrations and the associated health impacts. Due to the minimal contribution during construction and operation, health impacts would be less than significant.

Health effects associated with NO_x and NO_2 (which is a constituent of NO_x) include lung irritation and enhanced allergic responses (CARB 2024c). Construction and operation of the Project would not contribute to exceedances of the NAAQS or CAAQS for NO_2 because NO_x emissions would be less than the applicable BCAQMD threshold. Construction would be relatively short term, and the off-road construction equipment would be operating on various portions of the site and would not be concentrated in one portion of the site at any one time. Construction and operation of the Project would not require any stationary emission sources that would create substantial, localized NO_2 impacts.

Health effects associated with CO include chest pain in patients with heart disease, headache, light-headedness, and reduced mental alertness (CARB 2024d). CO tends to be a localized impact associated with congested intersections. Mobile source impacts occur on two scales of motion. Regionally, project-related travel would add to regional trip generation and increase the VMT within the local airshed and the SVAB. Locally, Project generated traffic would be added to the proximate roadway system near the Project site. If such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold started and operating at pollution-inefficient speeds, and is operating on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SVAB is steadily decreasing.

As described in Section 2.2.1, to verify that the Project would not cause or contribute to a violation of the CO standard, a screening evaluation was conducted based on the BAAQMD criteria. The Project is not in an area where vertical and/or horizontal mixing is limited and would not conflict with any congestion management plans. Routine/scheduled operations would require one or two workers in a light utility truck to visit the facility on a weekly basis. In addition, one major maintenance inspection would take place annually, requiring approximately 10 personnel for approximately one week. In addition, it was assumed that every three to four years the site would be visited by a 20-person work crew in order to add or connect additional batteries to the facility. If these activities all were to occur at the same time, the Project could result in about 68 trips on the same day, which would result in a negligible contribution to the roadway network and substantially less than the 44,000 vehicles per hour screening criterion applied (BAAQMD 2023). Therefore, impacts associated with CO hotspots would be less than significant.

Health effects associated with particulate matter include premature death and hospitalization, primarily for worsening of respiratory disease (CARB 2024e). Construction and operation of the Project would not exceed thresholds for PM_{10} or $PM_{2.5}$ and would not contribute to exceedances of the NAAQS or CAAQS for particulate matter. Additionally, the Project would implement the PDF-AQ-1 and PDF-AQ-2, which would reduce potential particulate matter emissions from the diesel generator and from earthwork (see Section 1.2). Due to the minimal contribution of particulate matter during construction and operation, the Project would not result in health effects associated with PM_{10} or $PM_{2.5}$.

There are numerous scientific and technological complexities associated with correlating criteria air pollutant emissions from an individual project to specific health effects or potential additional nonattainment days, and there are currently no modeling tools that can provide reliable and meaningful additional information regarding health effects from criteria air pollutants generated by individual projects within CCAPCD's jurisdiction. Currently, CCAPCD, CARB, and EPA have not approved a quantitative method to reliably, meaningfully, and consistently translate the mass emission estimates for the criteria air pollutants resulting from a project to specific health effects. However, based on the Project's minimal overall construction and operational criteria air pollutant emissions described above, health impacts from Project-related criteria air pollutant emissions would be less than significant.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

2.3.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Based on available information, the Project is not anticipated to result in other emissions that have not been addressed under Sections 2.3.1 through 2.3.3, above. As such, this analysis focuses on the potential for the Project to generate odors. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the Project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment. In addition, infrequent testing and maintenance of the emergency generator may result in potential odors from diesel exhaust. However, such odors would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Land uses or activities most commonly associated with odor complaints generally include wastewater treatment plants and wastewater pumping facilities, sanitary landfills, transfer stations, composting facilities, petroleum refineries, asphalt batch plants, chemical manufacturing, fiberglass manufacturing, painting/coating operations, rendering facilities, coffee roasters, food processing facilities, feed lots/dairies, green waste and recycling facilities, and metal smelting plants (BCAQMD 2024). The Project does not include uses that would be substantive sources of objectionable odors. Overall, impacts associated with odors from Project construction and operations would be less than significant.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

3 Greenhouse Gas Emissions Assessment

3.1 Background

3.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate—such as temperature, precipitation, or wind patterns—lasting for an extended period (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the sun's energy reaching the Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2024b).

The greenhouse effect is the trapping and buildup of heat in the atmosphere near the Earth's surface (troposphere). The greenhouse effect traps heat in the troposphere through a threefold process, as follows: short-wave radiation

emitted by the Sun is absorbed by the Earth, the Earth emits a portion of this energy in the form of long-wave radiation, and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. However, recent climate changes, in particular the warming observed over the past century, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of warming since the mid-twentieth century and are the most significant driver of observed climate change (EPA 2024b; IPCC 2013). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system.

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 IPCC Synthesis Report (IPCC 2014) indicated that warming of the climate system is unequivocal, and since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, rising sea levels, and ocean acidification (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, frequency of severe weather events, and electricity demand and supply. The primary effect of global climate change has been a rise in average global tropospheric temperature. Global surface temperature in the first two decades of the twenty-first century (2001–2020) was 0.99 [0.84 to 1.10]°C higher than 1850–1900 (IPCC 2023). Global surface temperature has increased faster since 1970 than in any other 50-year period over at least the last 2000 years (IPCC 2023). Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. Human activities, principally through emissions of GHGs, have unequivocally caused global warming, with global surface temperature reaching 1.1°C above 1850-1900 in 2011-2020 (IPCC 2023).

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. OEHHA identified various indicators of climate change in California, which are scientifically based measurements that track trends in various aspects of climate change. Many indicators reveal discernible evidence that climate change is occurring in California and is having significant, measurable impacts in the state. Changes in the state's climate have been observed including an increase in annual average air temperature, more frequent extreme heat events, more extreme drought, a decline in winter chill, an increase in cooling degree days and a decrease in heating degree days, and an increase in variability of statewide precipitation (OEHHA 2022).

Warming temperatures and changing precipitation patterns have altered California's physical systems—the ocean, lakes, rivers and snowpack—upon which the state depends. Winter snowpack and spring snowmelt runoff from the Sierra Nevada and southern Cascade Mountains provide approximately one-third of the state's annual water supply. Impacts of climate on physical systems have been observed such as high variability of snow-water content (i.e., amount of water stored in snowpack), decrease in spring snowmelt runoff, glacier change (loss in area), rise in sea levels, increase in average lake water temperature and coastal ocean temperature, and a decrease in dissolved oxygen in coastal waters (OEHHA 2022).

Impacts of climate change on biological systems, including humans, wildlife, and vegetation, have also been observed including climate change impacts on terrestrial, marine, and freshwater ecosystems. As with global observations, species responses include those consistent with warming: elevational or latitudinal shifts in range, changes in the timing of key plant and animal life cycle events, and changes in the abundance of species and in community composition. Humans are better able to adapt to a changing climate than plants and animals in natural ecosystems. Nevertheless, climate change poses a threat to public health as warming temperatures and changes in precipitation can affect vector-borne pathogen transmission and disease patterns in California as well as the variability of heat-related deaths and illnesses. In addition, since 1950, the area burned by wildfires each year has been increasing (OEHHA 2022).

3.1.2 Greenhouse Gases

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code Section 38505(g), for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3) (see also 14 CCR 15364.5).[6] Some GHGs, such as CO_2, CH_4, and N_2O, are emitted into the atmosphere through natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than CO_2, include fluorinated gases, such as HFCs, PFCs, and SF_6, which are associated with certain industrial products and processes.

3.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2024b). The Intergovernmental Panel on Climate Change (IPCC) developed the GWP concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) of CO_2 equivalent (CO_2e).

[6] Climate forcing substances include GHGs and other substances such as black carbon and aerosols.

The current version of CalEEMod (version 2022.1) assumes that the GWP for CH_4 is 25 (so emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the IPCC Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the project.

3.2 Significance Criteria and Methodology

3.2.1 Threshold of Significance

The significance criteria used to evaluate the Project's GHG emissions impacts is based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this GHG emissions analysis, the Project would have a significant environmental impact if it would (14 CCR 15000 et seq.):

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?

2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

The Appendix G thresholds for GHGs do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009). With respect to GHG emissions, the CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or performance-based standards" (14 CCR 15064.4[a]). A lead agency may use a "model or methodology" to estimate GHG emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change" (14 CCR 15064.4[c]). The CEQA Guidelines provide that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment (14 CCR 15064.4[b]):

1. The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

In addition, the CEQA Guidelines specify that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7[c]).

The CEQA Guidelines do not indicate an amount of GHG emissions that constitutes a significant impact on the environment. Instead, they authorize the lead agency to consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence (14 CCR 15064.4[a] and 15064.7[c]). Quantitative threshold approaches include numeric "bright-line" thresholds or efficiency-based thresholds that express the GHG emissions on a "per capita" or "per service population" (i.e., residents + employees) basis. Several agencies throughout the state have drafted and/or adopted numerical threshold approaches and guidelines for analyzing the significance of project-related GHG emissions, including the SCAQMD's 3,000 MT CO_2e annual threshold for residential/commercial or mixed-use projects (SCAQMD 2010) and the California Air Pollution Control Officers Association 900 MT CO_2e threshold (CAPCOA 2008), among others. However, no numerical thresholds have been formally adopted by an air district or lead agency for use in Colusa County.

In the absence of an adopted numerical threshold for the Project region, and as established by the BCAQMD, the significance of the Project-related GHG emissions can be determined by evaluating the Project's compliance with regulations or requirements adopted to implement statewide, regional, or local plans for the reduction or mitigation of GHG emissions. The state's 2030 target (reduce GHG emissions to 40% below 1990 levels by 2030) has been codified in law through Senate Bill (SB) 32, and the 2045 target (net zero GHG emissions and reduce anthropogenic GHG emissions to 85% below 1990 levels by 2045) has been codified into law through Assembly Bill (AB) 1279. Therefore, 2030 and 2045 mark the next statutory statewide milestone targets applicable to the Project. Regarding local regulations, the Colusa County General Plan encourages renewable energy development in the conservation element. The compliance evaluation is the sole basis for determining the significance of the Project's GHG-related impacts on the environment.

Nevertheless, and in accordance with Section 15064.4 of the CEQA Guidelines, GHG emissions resulting from construction and operation of the Project were quantitatively estimated. The GHG emissions associated with implementation of the Project were estimated using industry standard and accepted software tools, techniques, and emissions factors, as described below under Section 3.2.2. Estimation of emissions is for informational purposes only, for comparison with existing environmental conditions.

3.2.2 Methodology

3.2.2.1 Construction

CalEEMod was used to estimate potential project-generated GHG emissions during construction. Construction of the Project would result in GHG emissions primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. All details for construction criteria air pollutants discussed in Section 2.2.2.1 are also applicable for the estimation of construction-related GHG emissions. See Section 2.2.2.1 for a discussion of construction emissions calculation methodology and assumptions used in the GHG emissions analysis.

3.2.2.2 Operation

Mobile Sources

All details for criteria air pollutants discussed in Section 2.2.2.2 are also applicable for the estimation of operational mobile source GHG emissions. Regulatory measures related to mobile sources include AB 1493 (Pavley) and related

federal standards. AB 1493 required that CARB establish GHG emission standards for automobiles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. In addition, the National Highway Traffic Safety Administration and EPA have established corporate fuel economy standards and GHG emission standards, respectively, for automobiles and light-, medium-, and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) will gradually reduce emissions from the Project's motor vehicles. The effectiveness of fuel economy improvements was evaluated for motor vehicles to the extent it was captured in CalEEMod 2022.1, which is based on the EMission FACtor (EMFAC) 2021 model.

Area Sources

CalEEMod was used to estimate GHG emissions from the Project's area sources, which include operation of gasoline-powered landscape maintenance equipment, which produce minimal GHG emissions. See Section 2.2.2.2 for a discussion of landscaping equipment emissions calculations.

Energy Sources

The battery storage containers would have heating, ventilation, and air conditioning systems to keep the batteries in the optimal operating temperatures. It was estimated that the Project would require up to 120,000 kilowatt-hours (kWh) of electricity per year. The Project would not require natural gas.

Water and Wastewater

Supply, conveyance, treatment, and distribution of water for the Project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. However, the BESS facility would be uninhabited and would not require running water or generate wastewater. An area of existing on-site trees would remain as a buffer between the Project and adjacent land uses; however, no additional water was assumed for maintenance of this existing landscaping.

Solid Waste

Industrial land uses result in the generation and disposal of solid waste. A large percentage of this waste would be diverted from landfills by a variety of means, such as reducing the amount of waste generated, recycling, and/or composting. The remainder of the waste not diverted would be disposed of at a landfill. Default assumptions for solid waste were assumed in CalEEMod, which is a conservative estimate since the facility would be unstaffed and would result in minimal solid waste.

Refrigerants

No refrigerants were assumed for this analysis.

Off-Road Equipment

It was assumed that the Project would involve using a crane and forklift once every 3 to 4 years during routine maintenance to be able to lift and move the modular containers. CalEEMod default equipment size and load

factors were assumed. It was assumed that the crane and forklift would operate for 8 hours on 1 day every 3 years.

Stationary

The Project would generate GHG emissions from one stationary emergency generator with an operating horsepower of 1,360 hp. The operation of this emergency generator was modeled within CalEEMod and was assumed to operate for two hours per day and up to 100 hours per year for routine testing and maintenance.

3.3 Impact Analysis

3.3.1 Would the Project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? Or

Would the Project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

As discussed in Section 3.2.1, the significance of the Project's GHG emission impacts are determined through an evaluation of compliance with regulations and requirements adopted to implement statewide, regional, and local plans for the purpose of reducing GHG emissions. While the GHG emissions increase associated with the Project was quantified, the estimate is provided for informational purposes in accordance with Section 15064.4 of the CEQA Guidelines and is not used for determination of significance. As such, the Appendix G thresholds are considered together below, beginning with the evaluation of the Project's compliance with applicable plans.

Project Potential to Conflict with State Reduction Targets and CARB's Scoping Plan

The California State Legislature passed AB 32 to provide initial direction to limit California's GHG emissions to 1990 levels by 2020 and initiate the state's long-range climate objectives. Since the passage of AB 32, the state has adopted GHG emissions reduction targets for future years beyond the initial 2020 horizon year. CARB is required to develop a Scoping Plan, which provides the framework for actions to achieve the state's GHG emission targets. While the Scoping Plan is not directly applicable to specific projects, nor is it intended to be used as the sole basis for project-level evaluations, it is the official framework for the measures and regulations that will be implemented to reduce California's GHG emissions in alignment with the adopted targets. Therefore, a project would be found to not conflict with the statutes if it meets the Scoping Plan policies and would not impede attainment of the goals therein.

For the Project, the relevant GHG emissions reduction targets include those established by SB 32 and AB 1279, which require GHG emissions be reduced to 40% below 1990 levels by 2030, and 85% below 1990 levels by 2045, respectively. In addition, AB 1279 requires the state achieve net zero GHG emissions by no later than 2045 and achieve and maintain net negative GHG emissions thereafter. CARB's 2017 Scoping Plan update was the first to address the state's strategy for achieving the 2030 GHG reduction target set forth in SB 32 (CARB 2017), and the most recent CARB 2022 Scoping Plan update outlines the state's plan to reduce emissions and achieve carbon neutrality by 2045 in alignment with AB 1279 and assesses progress is making toward the 2030 SB 32 target (CARB 2022). As such, given that SB 32 and AB 1279 are the relevant GHG emission targets, the 2017 and 2022 Scoping Plan updates that outline the strategy to achieve those targets, are the most applicable to the Project.

The 2017 Scoping Plan included measures to promote renewable energy and energy efficiency (including the mandates of SB 350)[7], increase stringency of the low-carbon fuel standard, measures identified in the Mobile Source and Freight Strategies, measures identified in the proposed Short-Lived Climate Pollutants plan, and increase stringency of SB 375 targets.[8] The 2022 Scoping Plan builds upon and accelerates programs currently in place, including moving to zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; and displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines) (CARB 2022). Many of the measures and programs included in the Scoping Plan would result in the reduction of Project-related GHG emissions with no action required at the project-level, including GHG emission reductions through increased energy efficiency and renewable energy production, reduction in carbon intensity of transportation fuels (low-carbon fuel standard), and the accelerated efficiency and electrification of the statewide vehicle fleet (Mobile Source Strategy). Table 8 summarizes the Project's potential to conflict with the applicable 2017 Scoping Plan actions.

Table 8. Project Potential to Conflict with 2017 Scoping Plan

Action	Potential to Conflict
Implement SB 350 by 2030 ▪ Increase Renewable Portfolio Standard ▪ Establish annual targets for statewide energy efficiency ▪ Reduce GHG emissions in the electricity sector	***No Conflict.*** This action is directed towards policymakers and would not be directly applicable to the Project. Nonetheless, the Project would use energy from PG&E. PG&E has committed to diversify its portfolio of energy sources by increasing energy from wind and solar sources. The Project would not interfere with or obstruct PG&E energy source diversification efforts. Rather, the Project would provide additional capacity to the electrical grid and support the integration of additional intermittent renewable energy sources, such as wind and solar. The Project would also serve as an additional local capacity resource that would enhance grid reliability.

[7] SB 350 expanded the Renewables Portfolio Standard program by establishing a goal that 50% of the total electricity sold to retail customers in California per year be from renewable energy sources by December 31, 2030. In addition, SB 350 included the goal to double the energy efficiency savings in electricity and natural gas final end uses (such as heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency.

[8] Pursuant to SB 375, CARB set per-capita GHG emissions reduction targets from passenger vehicles for each of the state's 18 metropolitan planning organizations.

Table 8. Project Potential to Conflict with 2017 Scoping Plan

Action	Potential to Conflict
Implement Mobile Source Strategy (Cleaner Technology and Fuels) ▪ Increase zero emission and plug-in hybrid electric vehicles ▪ Increase GHG stringency on light-duty vehicles beyond Advanced Clean Cars ▪ Medium- and heavy-duty GHG Phase 2 ▪ Innovative Clean Transit ▪ Last Mile Delivery ▪ Further reduce VMT through SB 375 and regional Sustainable Communities Strategy	***No Conflict.*** These actions are part of the CARB Mobile Source Strategy that pertains to vehicle fleet standards. As this is a CARB enforced standard, vehicles that access the Project are required to comply with the standards and will therefore comply with the strategy.
Implement California Sustainable Freight Action Plan	***No Conflict.*** This measure would apply to all trucks accessing the Project sites, including existing trucks or new trucks that are part of the statewide goods movement sector. The Project would not obstruct or interfere with agency efforts to improve freight system efficiency.
Adopt a Low Carbon Fuel Standard with a Carbon Intensity reduction of 18%.	***No Conflict.*** This measure, which was increased to 20% reduction in carbon intensity by 2030, applies to all fuel purchased and used by the Project in the state. The Project would not obstruct or interfere with agency efforts to implement a Low Carbon Fuel Standard.
Utilize wood and agricultural products to increase the amount of carbon stored in the natural and built environments.	***No Conflict.*** To the extent appropriate for the Project, wood products would be used in construction.

Source: CARB 2017.
Notes: SB = Senate Bill; PG&E = Pacific Gas and Electric; CARB = California Air Resources Board; GHG = greenhouse gas; VMT = vehicle miles traveled.

Table 9 highlights the measures from the 2022 Scoping Plan that are relevant to the Project.

Table 9. Project Potential to Conflict with 2022 Scoping Plan

Sector	Action	Potential to Conflict
GHG Emissions Reductions Relative to the SB 32 Target	40% below 1990 levels by 2030	***No Conflict.*** While the SB 32 GHG emissions reduction target is not an Action that is analyzed independently, it is included in Table 2-1 of the 2022 Scoping Plan for reference. The Project would not obstruct or interfere with agency efforts to meet the SB 32 reduction goal. Rather, the Project would allow for increased energy storage from intermittent renewable energy sources, thereby increasing grid reliability and increasing the opportunity for renewable energy development.
Smart Growth/ VMT	VMT per capita reduced 25% below 2019 levels by 2030, and 30% below 2019 levels by 2045	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to meet this regional VMT reduction goal, including through implementation of SB 375. As detailed below, the Project would not conflict with the Colusa County Transportation Commission Regional Transportation Plan, which is the regional growth management strategy for the County.
Light-duty Vehicle (LDV) Zero Emission Vehicles (ZEVs)	100% of LDV sales are ZEV by 2035	***No Conflict.*** As this action pertains to LDV sales within California, the Project would not obstruct or interfere with its implementation.
Truck ZEVs	100% of medium-duty vehicle (MDV)/ heavy-duty vehicle (HDV) sales are ZEV by 2040	***No Conflict.*** As this action pertains to MDV and HDV sales within California, the Project would not obstruct or interfere with its implementation.
Electricity Generation	Sector GHG target of 38 million metric tons of carbon dioxide equivalent ($MMTCO_2e$) in 2030 and 30 $MMTCO_2e$ in 2035 Retail sales load coverage[1] 20 gigawatts (GW) of offshore wind by 2045 Meet increased demand for electrification without new fossil gas-fired resources	***No Conflict.*** As this Action pertains to the statewide procurement of renewably generated electricity, the Project would not obstruct or interfere with its implementation. Rather, the Project would support increased usage of renewable electricity by allowing for a more reliable local electric grid and reducing reliance on natural gas power plants.
New Residential and Commercial Buildings	All electric appliances beginning 2026 (residential) and 2029 (commercial), contributing to 6 million heat pumps installed statewide by 2030	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to meet the all-electric appliance and heat pump goals.
Construction Equipment	25% of energy demand electrified by 2030 and 75% electrified by 2045	***No Conflict.*** As this Action pertains to the electrification of off-road equipment across California, the Project would not obstruct or interfere with its implementation.

Table 9. Project Potential to Conflict with 2022 Scoping Plan

Sector	Action	Potential to Conflict
Low Carbon Fuels for Transportation	Biomass supply is used to produce conventional and advanced biofuels, as well as hydrogen	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to increase the provision of low carbon fuels for transportation. The development and use of biofuels in trucks and automobiles would occur at the state and regional level.
Low Carbon Fuels for Buildings and Industry	In 2030s biomethane blended in pipeline Renewable hydrogen blended in fossil gas pipeline at 7% energy (~20% by volume), ramping up between 2030 and 2040 In 2030s, dedicated hydrogen pipelines constructed to serve certain industrial clusters	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to increase the provision of low carbon fuels for use in buildings and industry. The blending of biomethane and use of renewable hydrogen in existing natural gas pipelines would happen at the scale of the utility provider and without action required by the Project.
High-GWP Potential Emissions	Low-GWP refrigerants introduced as building electrification increases, mitigating HFC emissions	***No Conflict.*** The Project would not obstruct or interfere with agency efforts to introduce low-GWP refrigerants. The State has established a prohibition on the sale or distribution of bulk HFCs identified as having a high GWP through SB 1206.

Source: CARB 2022.
Notes: SB = Senate Bill; GHG = greenhouse gas; VMT = vehicle miles traveled; LDV = light-duty vehicle; ZEV = zero emission vehicle; MDV = medium-duty vehicle; HDV = heavy-duty vehicle; $MMTCO_2e$ = million metric tons of carbon dioxide equivalent; GWP = global warming potential; HFC = hydrofluorocarbons.
[1] As noted in Table 2-1 of the 2022 Scoping Plan, SB 100 speaks only to retail sales and state agency procurement of electricity (i.e., wholesale or non-retail sales and losses from storage and transmission and distribution lines are not subject to the law).

Based on the analysis in Table 8 and Table 9, the Project would be consistent with the applicable strategies and measures in the 2017 Scoping Plan and 2022 Scoping Plan, respectively.

The 2045 carbon neutrality goal required CARB to expand proposed actions in the 2022 Scoping Plan to include those that capture and store carbon in addition to those that reduce only anthropogenic sources of GHG emissions. However, the 2022 Scoping Plan emphasizes that reliance on carbon sequestration in the state's natural and working lands will not be sufficient to address residual GHG emissions, and achieving carbon neutrality will require research, development, and deployment of additional methods to capture atmospheric GHG emissions (e.g., mechanical direct air capture). Given that the specific path to neutrality will require development of technologies and programs that are not currently known or available, the Project's role in supporting the statewide goal would be speculative and cannot be wholly identified at this time.

Overall, the Project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent applicable and required by law. As demonstrated above, the Project would not conflict with CARB's 2017 or 2022 Scoping Plan updates and with the state's ability to achieve the 2030 and 2045 GHG reduction and carbon neutrality goals.

Potential to Conflict with the Colusa County General Plan

As described in Section 3.2.1, Colusa County has not yet adopted a GHG reduction plan at this time. However, the *Colusa County General Plan* does encourage renewable energy projects in the Conservation Element (Colusa County 2012), as identified below:

Goal CON-2: Conserve, protect, and enhance energy, air, and mineral resources.

- **Objective CON-2A:** Use Energy Efficiently and Encourage the Use of Renewable and Sustainable Sources of Energy
    - Policy CON 2-2: Encourage the development of large-scale commercial energy projects that utilize renewable sources such as solar, wind, biomass, and agricultural byproducts.
    - Policy CON 2-3: Allow commercial alternative energy facilities, including solar, wind and biomass in the Agriculture General, Agriculture Upland, Industrial, Forest, and Resource Conservation land use designations with a Conditional Use Permit.

The Project would allow for increased energy storage from intermittent renewable energy sources, thereby increasing grid reliability and increasing the opportunity for renewable energy development. Thus, the Project would support the County's renewable energy goals and would not conflict with the General Plan.

Potential to Conflict with the Colusa County Transportation Commission Regional Transportation Plan

The Colusa County Transportation Commission (CCTC) adopted the *2018 Colusa County Regional Transportation Plan Update* (RTP) in 2019, which provides a connection between transportation and land use planning that will help reduce congestion, commute times, VMT, and associated reduction in GHGs (CCTC 2019). The following RTP goals are established for Colusa County to lessen dependence on the automobile and to promote mode shifting to alternative forms of transportation:

- Goal 1.3 promotes a greater use of non-auto modes, such as transit, to reach as many people as possible in the county with improved transit service.
- Goal 5.1 provides for better access to locally-operated businesses.
- Goal 7.1 strives to minimize traffic congestion through Transportation System Management (TSM) techniques.
- Goal 8.1: increases the efficiency of the existing transportation system. Implement TSM techniques where feasible.
- Goal 10.1: reduces the demand for single occupant vehicle travel. Where feasible, reduce the demand for travel by single-occupant vehicles through Transportation Demand Management (TDM) techniques.
- Goal 11.1 strives to improve livability in the county through land use decisions that encourage walking, transit, and bicycling.

As the Project would be remotely operated and would only need infrequent routine maintenance over the long-term, it would not result in a substantial increase in VMT, and, as such, would not conflict with goals of the CCTC RTP.

Quantification of GHG Emissions

Construction and decommissioning of the Project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road vendor trucks, and worker vehicles. For additional details, see Section 2.2.2.1 for a discussion of construction and decommissioning emission calculation methodology and assumptions. Pursuant to the approach taken by other air districts, such as SCAQMD, Project construction emissions were amortized over the lifetime of the Project, which is anticipated to be 25-years, and added to the annual operational phase GHG emissions. Table 10 presents construction and decommissioning GHG emissions for the Project from on-site and off-site emission sources.

Table 10. Estimated Annual Construction and Decommissioning Greenhouse Gas Emissions

Year	CO_2	CH_4	N_2O	R	CO_2e
	metric tons per year				
2026 (Construction)	628.61	0.01	0.06	0.50	646.78
2027 (Construction)	640.74	0.01	0.06	0.52	658.62
2050 (Decommissioning)	566.54	0.02	0.01	<0.01	571.02
Total	**1,835.89**	**0.04**	**0.13**	**1.03**	**1,876.42**
				Amortized Over 25-Years	*75.06*

Source: Attachment A.
Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R = refrigerants; CO_2e = carbon dioxide equivalent. Estimates also include GHGs from the diesel generator used during commissioning, which were quantified using a spreadsheet model and incorporate Tier 4 Final emission factors per PDF-AQ-1.
Totals may not sum due to rounding.

For long-term operations, Project-generated GHG emissions from mobile sources, area sources, energy, solid waste, off-road equipment, and stationary sources were estimated, as described in Section 3.2.2.2. Table 11 shows the estimated operational GHG emissions from the Project.

Table 11. Estimated Annual Operational Greenhouse Gas Emissions

Emission Source	CO_2	CH_4	N_2O	R	CO_2e
	metric tons per year				
Mobile	1.78	<0.01	<0.01	<0.01	1.81
Area	0.01	<0.01	<0.01	0.00	0.01
Energy	11.10	<0.01	<0.01	0.00	11.21
Water	0.00	0.00	0.00	0.00	0.00
Waste	0.06	0.01	0.00	0.00	0.21
Off-Road	0.52	<0.01	<0.01	0.00	0.52
Stationary	51.79	<0.01	<0.01	0.00	51.96
Total	**65.26**	**0.01**	**<0.01**	**<0.01**	**65.72**
				Amortized Construction Emissions	*75.06*
Operational Emissions plus Amortized Construction and Decommissioning Emissions					**140.77**

Source: Attachment A.

Table 11. Estimated Annual Operational Greenhouse Gas Emissions

Emission Source	CO_2	CH_4	N_2O	R	CO_2e
	metric tons per year				

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R=refrigerants; CO_2e = carbon dioxide equivalent; GHG = greenhouse gas. Values of "<0.01" indicate that the estimated emissions are less than 0.01 metric tons per year. Totals may not sum due to rounding.

As shown in Table 11, the estimated total GHG emissions during operation of the Project would be approximately 141 MT CO_2e per year, including amortized construction and decommissioning emissions.

Summary

The Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, nor would it conflict with the relevant goals and objectives of any other local or regional plan. Rather, it would ultimately support the implementation of state and local plans for renewable energy. Thus, the Project would result in a potential cumulative GHG impact that would be less than significant.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

4 Energy Assessment

4.1 Background

4.1.1 Electricity

The production of electricity requires the consumption or conversion of energy resources, including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources, into electrical energy. The delivery of electricity involves a number of system components, including power generation facilities, transmission and distribution lines, substations and transformers that lower transmission line power (voltage) to a level appropriate for on-site distribution and use. The electricity generated is distributed through a network of transmission and distribution lines commonly called a power grid. Production of electricity and its conveyance through the power grid occur in response to market demand.

Energy capacity, or electrical power, is generally measured in watts while energy use is measured in watt-hours (Wh). For example, if a light bulb has a capacity rating of 100 watts, the energy required to keep the bulb on for 1 hour would be 100 Wh. If 10 100-watt bulbs were on for 1 hour, the energy required would be 1,000 Wh or 1 kilowatt-hour (kWh). On a utility scale, a generator's capacity is typically rated in megawatts, which is 1 million watts, while energy usage is measured in megawatt-hours (1 million watt-hours) or gigawatt-hours (1 billion watt-hours).

PG&E provides electricity to the Project site. PG&E provides electric services to 5.5 million customers via 106,681 circuit miles of electric distribution lines and 18,466 circuit miles of interconnected transmission lines over a 70,000-square-mile service area that includes Northern California and Central California (PG&E 2025). In Colusa County, PG&E reported an annual electrical consumption of approximately 314 million kWh in 2022 (CEC 2025).

4.1.2 Natural Gas

Natural gas is a combustible mixture of simple hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas consumed in California is obtained from naturally occurring reservoirs, mainly located outside the State, and delivered through high-pressure transmission pipelines. The natural gas transportation system is a nationwide network, and therefore, resource availability is typically not an issue. Natural gas would not be used during Project construction or operations and is not discussed further in the analysis.

4.1.3 Petroleum

According to the Energy Information Administration (EIA), California used approximately 628 million barrels of petroleum in 2022, with the majority (534 million barrels) used for the transportation sector (EIA 2024). There are 42 U.S. gallons in a barrel, so this equates to a total daily use of approximately 14.9 million gallons of petroleum among all sectors and 12.7 million gallons for the transportation sector. Petroleum usage in California includes petroleum products such as motor gasoline, distillate fuel, liquefied petroleum gases, and jet fuel. At the federal and state levels, various policies, rules, and regulations have been enacted to improve vehicle fuel efficiency, promote the development and use of alternative fuels, reduce transportation - source air pollutants and GHG emissions, and reduce VMT. Market forces have driven the price of petroleum products steadily upward over time, and technological advances have made use of other energy resources or alternative transportation modes increasingly feasible.

Largely as a result of and in response to these multiple factors, gasoline consumption within the state has declined in recent years, and availability of other alternative fuels/energy sources has increased. The quantity, availability, and reliability of transportation energy resources have increased in recent years, and this trend will likely continue and accelerate. Increasingly available and diversified transportation energy resources act to promote continuing reliable and affordable means to support vehicular transportation within the state. According to CARB's Emission Factor (EMFAC) Web Database, Colusa County on-road transportation sources are projected to consume about 40 million gallons of petroleum in 2026 (CARB 2025).

4.2 Thresholds of Significance

According to Appendix G of the CEQA Guidelines, a project would have a significant effect on the environment with respect to energy if it would:

A. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation.

B. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The above listed Appendix G energy thresholds are applied herein.

4.3 Approach and Methodology

4.3.1 Construction

Electricity

Electricity consumed during Project construction would vary throughout the construction period based on the construction activities being performed. Various construction activities could require electricity, including conveying water that would be used for dust control (supply and conveyance), powering any necessary lighting or electronic equipment, or other construction activities necessitating electrical power. Electricity demand for these purposes is anticipated to be minimal.

Petroleum

Construction of the Project would consume energy resources as a result of the use of heavy-duty construction equipment, on-road delivery and haul trucks, and workers commuting to and from the Project site. Petroleum emissions associated with the use of construction equipment and vehicles, which were used to calculate gallons of petroleum consumed, were calculated using CalEEMod and are provided in Attachment A. Fuel consumption from construction equipment was estimated by converting the total CO_2 emissions from each construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. The conversion factor for gasoline is 8.78 kilograms per MT CO_2 per gallon, and the conversion factor for diesel is 10.21 kilograms per MT CO_2 per gallon (The Climate Registry 2023).

4.3.2 Operations

Electricity

The battery storage containers would have heating, ventilation, and air conditioning systems to keep the batteries in the optimal operating temperatures. The facility would also have lighting. It was estimated that the Project would require up to 120,000 kWh of electricity per year.

Petroleum

Following the completion of construction activities, the Project would generate GHG emissions from mobile sources (vehicular traffic) as a result of the maintenance of the site. Petroleum fuel consumption associated with motor vehicles is a function of the VMT and fuel efficiency. Similar to construction worker and vendor trips, fuel consumption was estimated by converting the total CO_2 emissions from project mobile sources to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel.[9]

[9] Alternative fueled vehicles, such as natural gas, plug-in hybrid, and EVs were excluded from the analysis for simplicity and conservatism.

4.4 Impact Analysis

4.4.1 Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation?

Construction

Electricity

Temporary electric power for as-necessary lighting and electronic equipment (such as computers inside temporary construction trailers and HVAC) would be provided by PG&E. In addition, water needed for construction dust suppression would be provided by existing on-site water wells or delivered by truck. For this analysis, truck delivery for water was assumed and accounted for in the petroleum demand presented below. Overall, electricity demand would be temporary, nominal, and would cease upon the completion of construction. Therefore, the use of electricity during Project construction would not be wasteful, inefficient, or unnecessary.

Petroleum

Offroad equipment used during construction and decommissioning of the Project would primarily rely on diesel fuel, as would vendor and haul trucks. In addition, construction workers would travel to and from the Project site throughout the duration of construction. It is assumed in this analysis that construction workers would travel in gasoline-powered light-duty vehicles. Finally, diesel fuel would be used by the generator during the commissioning phase to maintain battery temperatures. The estimated fuel usage from construction of the Project is shown in Table 12.

Table 12. Total Proposed Project Construction and Decommissioning Petroleum Demand

Scenario	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Generator (diesel)	Worker Vehicles (gasoline)
	Gallons				
Construction/ Decommissioning	77,808	20,695	56,310	4,058	24,261
Total Petroleum Consumed for Project Construction/ Decommissioning					**183,132**

Source: Attachment A.

In summary, construction and decommissioning associated with the development of the Project is estimated to consume a total of approximately 183,132 gallons of petroleum. Project construction and decommissioning would represent a "single event" petroleum demand and would not require on-going or permanent commitment of petroleum resources for this purpose.

There are no unusual Project characteristics or processes that would require the use of equipment that would be more energy intensive than is used for comparable activities, or equipment that would not conform to current emissions standards (and related fuel efficiencies). The Project would be subject to CARB's In-Use Off-Road Diesel

Vehicle Regulation that applies to certain off-road diesel engines, vehicles, or equipment greater than 25 horsepower. The regulation (1) imposes limits on idling, requires a written idling policy, and requires a disclosure when selling vehicles; (2) requires all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System) and labeled; (3) restricts the adding of older vehicles into fleets starting on January 1, 2014; and (4) requires fleets to reduce their emissions by retiring, replacing, or repowering older engines or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits). The fleet must either show that its fleet average index was less than or equal to the calculated fleet average target rate, or that the fleet has met the Best Achievable Control Technology requirements. Equipment employed in construction and decommissioning of the proposed Project would therefore not result in inefficient, wasteful, or unnecessary consumption of fuel.

Additional construction-source energy efficiencies would occur due to required California regulations and best available control measures. For example, CCR Title 13, Motor Vehicles, Section 2449(d)(2), Idling, limits idling times of construction vehicles to no more than 5 minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Section 2449(d)(2) requires medium and large fleets to adopt a written idling policy informing operators that idling is limited to 5 consecutive minutes or less. Equipment rental agreements must also inform renters/lessees of this idling restriction. In this manner, construction equipment operators are required to be informed that engines are to be turned off at or prior to 5 minutes of idling.

Overall, while construction activities would consume petroleum-based fuels, consumption of such resources would be temporary and would cease upon the completion of construction. Further, the petroleum consumed related to construction and decommissioning would be typical of construction projects of similar types and sizes and would not necessitate new petroleum resources beyond what are typically consumed in California. Therefore, because petroleum use during Project construction and decommissioning would be temporary and minimal and would not be wasteful or inefficient, impacts would be less than significant.

Operation

Electricity

As described in Section 4.3.2, it was estimated that the Project would require up to 120,000 kWh of electricity per year. For context, local electricity demand for in Colusa County was approximately 314 million kWh in 2022 (CEC 2025a). Overall, the increase in electricity demand would be minimal and would not be considered inefficient, wasteful, or unnecessary, and impacts would be less than significant.

Petroleum

During operations, fuel consumption would involve the infrequent use of motor vehicles traveling to and from the Project site, off-road equipment, generator testing and maintenance, and landscaping equipment. Overall operational petroleum demand was estimated at 5,275 gallons average per year, with the majority (5,072 gallons) associated with the testing and maintenance for the diesel generator. For context, sources in Colusa County are projected to consume about 40 million gallons of petroleum in 2026 from on-road transportation sources alone (CARB 2025).

Summary

Implementation of the Project would minimally increase the demand for electricity at the Project site and petroleum consumption in the region during construction and operation. However, because the Project would be consistent with current regulations and policies, the proposed facilities would not be wasteful or inefficient and would not result in unnecessary energy resource consumption. The proposed Project would not directly require the construction of new energy generation or supply facilities or result in wasteful, inefficient, or unnecessary consumption of energy. Finally, the purpose of the Project would be to provide additional capacity to the electrical grid and support the integration of additional intermittent renewable energy sources, such as wind and solar and would also serve as an additional local capacity resource that would enhance grid reliability. Impacts would be less than significant.

4.4.2 Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

The proposed Project would follow applicable energy standards and regulations during the construction, operation, and decommissioning phases. Additionally, as discussed previously, the Project would allow for increased energy storage from intermittent renewable energy sources, thereby increasing grid reliability and increasing the opportunity for renewable energy development. Thus, while energy consumption would be required for the Project, it would ultimately support the implementation of state and local plans for renewable energy. As such, there would be no impact related to conflicts with plans for renewable energy and energy efficiency, and in fact, Project implementation would result in beneficial impacts.

5 Conclusions

Regarding the potential for the Project to conflict with or obstruct implementation of the applicable air quality plan, the Project would result in a less than significant impact. The Project would not exceed construction or operational thresholds of significance and would result in a less than significant impact regarding the potential for the Project to result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard. Regarding the potential for the Project to expose sensitive receptors to substantial pollutant concentrations (related to CO hotspots, criteria air pollutants, Valley Fever, and TACs), the Project would result in a less than significant impact during construction and operation. The Project was determined to result in a less-than-significant impact during construction and operation related to the potential to result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Regarding GHGs, the Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. These GHG impacts would be less than significant.

The purpose of the Project would be to provide additional capacity to the electrical grid and support the integration of additional intermittent renewable energy sources, such as wind and solar and would also serve as an additional local capacity resource that would enhance grid reliability. Overall, the proposed Project would support state and

local plans for renewable energy and would not result in wasteful, inefficient, or unnecessary consumption of energy.

Sincerely,



Matthew Morales
Senior Air Quality Specialist

Cc: *Ronelle Candia*
Att: *A. Emission Calculations*
B. Health Risk Assessment Model Outputs
C. Energy Demand Estimates

6 References

14 CCR 15000–15387 and Appendices A–L. Guidelines for Implementation of the California Environmental Quality Act, as amended.

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1.1. Basic Project Information

Data Field	Value
Project Name	Saloon BESS Project
Construction Start Date	7/1/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	9.20
Location	39.117711, -122.214354
County	Colusa
City	Unincorporated
Air District	Colusa County APCD
Air Basin	Sacramento Valley
TAZ	228
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	0.70	1000sqft	10.0	700	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.25	2.75	25.9	30.2	0.11	1.02	7.08	8.10	0.94	3.46	4.40	—	15,771	15,771	0.30	1.65	32.5	16,302
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.43	3.77	39.9	39.8	0.14	1.18	8.25	9.43	1.10	2.96	4.06	—	18,813	18,813	0.30	1.82	0.93	19,362
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.09	0.92	8.03	8.98	0.03	0.25	1.42	1.67	0.23	0.45	0.69	—	3,797	3,797	0.12	0.35	3.17	3,907
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.20	0.17	1.47	1.64	0.01	0.05	0.26	0.31	0.04	0.08	0.13	—	629	629	0.02	0.06	0.52	647

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.25	2.75	25.9	30.2	0.11	1.02	7.08	8.10	0.94	3.46	4.40	—	15,771	15,771	0.22	1.65	32.5	16,302

2027	1.74	1.49	13.4	19.5	0.06	0.36	3.38	3.38	0.34	0.79	1.06	—	8,832	8,832	0.10	0.86	17.4	9,110
2050	2.84	2.40	14.9	24.0	0.08	0.38	1.26	1.64	0.35	0.31	0.66	—	8,989	8,989	0.30	0.21	0.18	9,060
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.43	3.77	39.9	39.8	0.14	1.18	8.25	9.43	1.10	2.96	4.06	—	18,813	18,813	0.27	1.82	0.93	19,362
2027	4.27	3.58	38.2	38.8	0.14	1.10	8.25	9.34	1.02	2.96	3.98	—	18,523	18,523	0.27	1.82	0.85	19,071
2050	2.83	2.39	14.9	23.4	0.08	0.38	1.26	1.64	0.35	0.31	0.66	—	8,902	8,902	0.30	0.21	< 0.005	8,972
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.94	0.80	8.03	8.84	0.03	0.25	1.42	1.67	0.23	0.45	0.69	—	3,797	3,797	0.06	0.35	3.04	3,907
2027	0.77	0.66	5.82	7.34	0.02	0.15	1.34	1.49	0.14	0.36	0.50	—	3,620	3,620	0.05	0.35	3.17	3,727
2050	1.09	0.92	5.72	8.98	0.03	0.15	0.48	0.63	0.13	0.12	0.25	—	3,422	3,422	0.12	0.08	0.03	3,449
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.17	0.15	1.47	1.61	0.01	0.05	0.26	0.31	0.04	0.08	0.13	—	629	629	0.01	0.06	0.50	647
2027	0.14	0.12	1.06	1.34	< 0.005	0.03	0.24	0.27	0.03	0.07	0.09	—	599	599	0.01	0.06	0.52	617
2050	0.20	0.17	1.04	1.64	0.01	0.03	0.09	0.11	0.02	0.02	0.05	—	567	567	0.02	0.01	< 0.005	571

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.93	0.81	4.41	8.55	0.02	0.17	0.96	1.14	0.16	0.25	0.40	0.35	2,383	2,383	0.12	0.06	3.77	2,407
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.89	0.77	4.49	7.52	0.02	0.17	0.96	1.14	0.16	0.25	0.40	0.35	2,279	2,279	0.12	0.06	0.10	2,301

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.03	0.03	0.02	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.35	81.0	81.4	0.05	< 0.005	0.02	83.1
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.06	13.4	13.5	0.01	< 0.005	< 0.005	13.8

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.39	0.36	0.50	4.44	0.01	0.01	0.96	0.97	0.01	0.25	0.25	—	1,173	1,173	0.03	0.05	3.77	1,192
Area	0.02	0.02	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.13	0.13	< 0.005	< 0.005	—	0.13
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	67.1	67.1	0.01	< 0.005	—	67.7
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.35	0.00	0.35	0.04	0.00	—	1.24
Off-Road	0.51	0.43	3.90	4.09	0.01	0.16	—	0.16	0.15	—	0.15	—	1,143	1,143	0.05	0.01	—	1,146
Total	0.93	0.81	4.41	8.55	0.02	0.17	0.96	1.14	0.16	0.25	0.40	0.35	2,383	2,383	0.12	0.06	3.77	2,407
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.36	0.32	0.59	3.43	0.01	0.01	0.96	0.97	0.01	0.25	0.25	—	1,069	1,069	0.03	0.05	0.10	1,086
Area	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	67.1	67.1	0.01	< 0.005	—	67.7
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.35	0.00	0.35	0.04	0.00	—	1.24

Off-Road	0.51	0.43	3.90	4.09	0.01	0.16	—	0.16	0.15	—	0.15	—	1,143	1,143	0.05	0.01	—	1,146
Total	0.89	0.77	4.49	7.52	0.02	0.17	0.96	1.14	0.16	0.25	0.40	0.35	2,279	2,279	0.12	0.06	0.10	2,301
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	< 0.005	< 0.005	0.01	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	0.02	10.9
Area	0.02	0.02	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.06	0.06	< 0.005	< 0.005	—	0.06
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	67.1	67.1	0.01	< 0.005	—	67.7
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.35	0.00	0.35	0.04	0.00	—	1.24
Off-Road	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.13	3.13	< 0.005	< 0.005	—	3.14
Total	0.03	0.03	0.02	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.35	81.0	81.4	0.05	< 0.005	0.02	83.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.81
Area	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	—	0.01
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	11.1	11.1	< 0.005	< 0.005	—	11.2
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21
Off-Road	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.52	0.52	< 0.005	< 0.005	—	0.52
Total	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.06	13.4	13.5	0.01	< 0.005	< 0.005	13.8

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.02	2.54	23.4	22.4	0.04	1.01	—	1.01	0.93	—	0.93	—	4,173	4,173	0.17	0.03	—	4,187
Dust From Material Movement	—	—	—	—	—	—	6.39	6.39	—	3.28	3.28	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.23	< 0.005	0.06	—	0.06	0.05	—	0.05	—	229	229	0.01	< 0.005	—	229
Dust From Material Movement	—	—	—	—	—	—	0.35	0.35	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.9	37.9	< 0.005	< 0.005	—	38.0
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	0.13	2.63	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	465	465	0.02	0.02	1.57	472
Vendor	0.03	0.03	1.00	0.22	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	956	956	< 0.005	0.14	2.54	999
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	0.04	23.4
Vendor	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	52.4	52.4	< 0.005	0.01	0.06	54.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	0.01	3.88
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.68	8.68	< 0.005	< 0.005	0.01	9.05
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Gen-Tie Line Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.51	1.27	11.7	11.2	0.02	0.50	—	0.50	0.46	—	0.46	—	2,086	2,086	0.08	0.02	—	2,094
Dust From Material Movement	—	—	—	—	—	—	3.19	3.19	—	1.64	1.64	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.17	8.17	< 0.005	< 0.005	—	8.19
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.35	1.35	< 0.005	< 0.005	—	1.36
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	0.95	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	205	205	< 0.005	0.01	0.02	207
Vendor	0.03	0.03	1.08	0.22	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	957	957	< 0.005	0.14	0.07	997
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.82	0.82	< 0.005	< 0.005	< 0.005	0.84
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.74	3.74	< 0.005	< 0.005	< 0.005	3.91
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.14
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Gen-Tie Line Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.23	11.2	11.0	0.02	0.48	—	0.48	0.44	—	0.44	—	2,086	2,086	0.08	0.02	—	2,094

Dust From Material Movement	—	—	—	—	—	—	3.19	3.19	—	1.64	1.64	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49.0	49.0	< 0.005	< 0.005	—	49.2
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.11	8.11	< 0.005	< 0.005	—	8.14
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.88	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	200	200	< 0.005	0.01	0.02	203

Vendor	0.03	0.02	1.02	0.20	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	936	936	< 0.005	0.14	0.06	977
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.85	4.85	< 0.005	< 0.005	0.01	4.92
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.0	22.0	< 0.005	< 0.005	0.02	23.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.80	0.80	< 0.005	< 0.005	< 0.005	0.81
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.64	3.64	< 0.005	< 0.005	< 0.005	3.80
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69	1.42	11.5	16.3	0.02	0.56	—	0.56	0.51	—	0.51	—	2,500	2,500	0.10	0.02	—	2,509
Dust From Material Movement	—	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.16	1.26	1.79	< 0.005	0.06	—	0.06	0.06	—	0.06	—	274	274	0.01	< 0.005	—	275
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.4	45.4	< 0.005	< 0.005	—	45.5
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	0.13	2.63	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	465	465	0.02	0.02	1.57	472
Vendor	0.03	0.03	1.00	0.22	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	956	956	< 0.005	0.14	2.54	999
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.2	46.2	< 0.005	< 0.005	0.07	46.8

Vendor	< 0.005	< 0.005	0.12	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	105	105	< 0.005	0.01	0.12	109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.65	7.65	< 0.005	< 0.005	0.01	7.75
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.02	18.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Battery/Container Installation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.87	9.41	0.02	0.30	—	0.30	0.28	—	0.28	—	2,014	2,014	0.08	0.02	—	2,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.87	9.41	0.02	0.30	—	0.30	0.28	—	0.28	—	2,014	2,014	0.08	0.02	—	2,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.21	0.17	1.54	1.84	< 0.005	0.06	—	0.06	0.05	—	0.05	—	394	394	0.02	< 0.005	—	395
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	65.2	65.2	< 0.005	< 0.005	—	65.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.56	0.40	7.90	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,394	1,394	0.06	0.05	4.72	1,415
Vendor	0.13	0.13	4.99	1.11	0.04	0.07	1.34	1.41	0.07	0.37	0.44	—	4,782	4,782	< 0.005	0.68	12.7	4,997
Hauling	0.01	0.01	0.82	0.06	0.01	0.02	0.22	0.24	0.02	0.06	0.08	—	791	791	< 0.005	0.12	1.76	829
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.49	0.54	5.67	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,227	1,227	0.03	0.05	0.12	1,243
Vendor	0.13	0.13	5.40	1.10	0.04	0.07	1.34	1.41	0.07	0.37	0.44	—	4,783	4,783	< 0.005	0.68	0.33	4,985
Hauling	0.01	0.01	0.89	0.06	0.01	0.02	0.22	0.24	0.02	0.06	0.08	—	791	791	< 0.005	0.12	0.05	827
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.15	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	247	247	0.01	0.01	0.40	251
Vendor	0.03	0.03	1.03	0.22	0.01	0.01	0.26	0.28	0.01	0.07	0.09	—	936	936	< 0.005	0.13	1.08	976
Hauling	< 0.005	< 0.005	0.17	0.01	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	155	155	< 0.005	0.02	0.15	162
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.21	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	41.0	41.0	< 0.005	< 0.005	0.07	41.5

Vendor	< 0.005	< 0.005	0.19	0.04	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	155	155	< 0.005	0.02	0.18	162
Hauling	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.6	25.6	< 0.005	< 0.005	0.02	26.8

3.11. Battery/Container Installation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.50	9.38	0.02	0.27	—	0.27	0.25	—	0.25	—	2,014	2,014	0.08	0.02	—	2,020
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.50	9.38	0.02	0.27	—	0.27	0.25	—	0.25	—	2,014	2,014	0.08	0.02	—	2,020
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	2.64	3.30	0.01	0.10	—	0.10	0.09	—	0.09	—	709	709	0.03	0.01	—	712
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.07	0.05	0.48	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	117	117	< 0.005	< 0.005	—	118
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.53	0.40	7.32	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,366	1,366	0.02	0.05	4.26	1,385
Vendor	0.13	0.10	4.70	1.00	0.04	0.07	1.34	1.41	0.07	0.37	0.44	—	4,681	4,681	< 0.005	0.68	11.6	4,894
Hauling	0.01	0.01	0.79	0.06	0.01	0.02	0.22	0.24	0.02	0.06	0.08	—	772	772	< 0.005	0.12	1.62	810
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.47	0.50	5.25	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,203	1,203	0.03	0.05	0.11	1,219
Vendor	0.13	0.09	5.11	0.99	0.04	0.07	1.34	1.41	0.07	0.37	0.44	—	4,682	4,682	< 0.005	0.68	0.30	4,884
Hauling	0.01	0.01	0.86	0.06	0.01	0.02	0.22	0.24	0.02	0.06	0.08	—	772	772	< 0.005	0.12	0.04	809
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.16	1.91	0.00	0.00	0.44	0.44	0.00	0.10	0.10	—	437	437	0.01	0.02	0.65	443
Vendor	0.05	0.03	1.76	0.34	0.01	0.02	0.47	0.50	0.02	0.13	0.15	—	1,649	1,649	< 0.005	0.24	1.76	1,722
Hauling	< 0.005	< 0.005	0.30	0.02	< 0.005	0.01	0.08	0.08	0.01	0.02	0.03	—	272	272	< 0.005	0.04	0.25	285
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	72.3	72.3	< 0.005	< 0.005	0.11	73.3
Vendor	0.01	0.01	0.32	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	273	273	< 0.005	0.04	0.29	285
Hauling	< 0.005	< 0.005	0.05	< 0.005	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	45.0	45.0	< 0.005	0.01	0.04	47.2

3.13. Substation Installation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	6.24	8.91	0.01	0.18	—	0.18	0.17	—	0.17	—	1,337	1,337	0.05	0.01	—	1,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	6.24	8.91	0.01	0.18	—	0.18	0.17	—	0.17	—	1,337	1,337	0.05	0.01	—	1,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.74	< 0.005	0.04	—	0.04	0.03	—	0.03	—	262	262	0.01	< 0.005	—	263
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.3	43.3	< 0.005	< 0.005	—	43.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.15	0.14	0.10	1.98	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	348	348	0.02	0.01	1.18	354
Vendor	0.05	0.05	1.99	0.44	0.01	0.03	0.54	0.57	0.03	0.15	0.18	—	1,913	1,913	< 0.005	0.27	5.08	1,999
Hauling	0.07	0.04	3.52	0.42	0.02	0.06	0.89	0.95	0.06	0.24	0.31	—	3,193	3,193	< 0.005	0.49	7.02	3,347
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.14	1.42	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	307	307	0.01	0.01	0.03	311
Vendor	0.05	0.05	2.16	0.44	0.01	0.03	0.54	0.57	0.03	0.15	0.18	—	1,913	1,913	< 0.005	0.27	0.13	1,994
Hauling	0.06	0.04	3.82	0.43	0.02	0.06	0.89	0.95	0.06	0.24	0.31	—	3,194	3,194	< 0.005	0.49	0.18	3,342
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.29	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	61.9	61.9	< 0.005	< 0.005	0.10	62.7
Vendor	0.01	0.01	0.41	0.09	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	374	374	< 0.005	0.05	0.43	391
Hauling	0.01	0.01	0.73	0.08	< 0.005	0.01	0.17	0.19	0.01	0.05	0.06	—	625	625	< 0.005	0.10	0.59	654
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.02	10.4
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	62.0	62.0	< 0.005	0.01	0.07	64.7
Hauling	< 0.005	< 0.005	0.13	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	103	103	< 0.005	0.02	0.10	108

3.15. Substation Installation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.77	0.64	6.04	8.89	0.01	0.16	—	0.16	0.14	—	0.14	—	1,336	1,336	0.05	0.01	—	1,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.4	31.4	< 0.005	< 0.005	—	31.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.20	5.20	< 0.005	< 0.005	—	5.21
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.12	1.31	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	301	301	0.01	0.01	0.03	305
Vendor	0.05	0.04	2.05	0.39	0.01	0.03	0.54	0.57	0.03	0.15	0.18	—	1,873	1,873	< 0.005	0.27	0.12	1,954
Hauling	0.06	0.04	3.71	0.43	0.02	0.06	0.89	0.95	0.06	0.24	0.31	—	3,120	3,120	< 0.005	0.49	0.17	3,267
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	0.01	7.38
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.0	44.0	< 0.005	0.01	0.05	45.9
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.2	73.2	< 0.005	0.01	0.07	76.8

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.20	1.20	< 0.005	< 0.005	< 0.005	1.22
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	0.01	7.60
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.1	12.1	< 0.005	< 0.005	0.01	12.7

3.17. Gen-Tie Foundation and Tower Erection (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.56	1.29	10.7	12.0	0.03	0.36	—	0.36	0.33	—	0.33	—	2,342	2,342	0.09	0.02	—	2,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.1	32.1	< 0.005	< 0.005	—	32.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.31	5.31	< 0.005	< 0.005	—	5.33

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.88	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	200	200	< 0.005	0.01	0.02	203
Vendor	0.03	0.02	1.02	0.20	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	936	936	< 0.005	0.14	0.06	977
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.83	2.83	< 0.005	< 0.005	< 0.005	2.87
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	13.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.47
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.12	2.12	< 0.005	< 0.005	< 0.005	2.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Gen-Tie Stringing and Pulling (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.20	0.17	2.14	3.35	0.01	0.04	—	0.04	0.04	—	0.04	—	547	547	0.02	< 0.005	—	549
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.01	0.01	0.12	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.0	30.0	< 0.005	< 0.005	—	30.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.97	4.97	< 0.005	< 0.005	—	4.98
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.88	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	200	200	< 0.005	0.01	0.02	203
Vendor	0.03	0.02	1.02	0.20	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	936	936	< 0.005	0.14	0.06	977
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	51.3	51.3	< 0.005	0.01	0.05	53.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.87	1.87	< 0.005	< 0.005	< 0.005	1.90
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.49	8.49	< 0.005	< 0.005	0.01	8.87
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Commissioning (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.55	1.42	1.07	19.5	0.00	0.00	3.38	3.38	0.00	0.79	0.79	—	3,643	3,643	0.05	0.13	11.4	3,693
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.79	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	181	181	< 0.005	0.01	0.27	184
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.0	30.0	< 0.005	< 0.005	0.04	30.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Decommissioning (2050) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.71	2.27	13.8	21.7	0.07	0.37	—	0.37	0.34	—	0.34	—	7,256	7,256	0.29	0.06	—	7,281
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.71	2.27	13.8	21.7	0.07	0.37	—	0.37	0.34	—	0.34	—	7,256	7,256	0.29	0.06	—	7,281

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	0.87	5.30	8.33	0.03	0.14	—	0.14	0.13	—	0.13	—	2,783	2,783	0.11	0.02	—	2,793
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	0.97	1.52	< 0.005	0.03	—	0.03	0.02	—	0.02	—	461	461	0.02	< 0.005	—	462
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.08	2.14	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	746	746	0.01	0.01	0.09	748
Vendor	0.01	0.01	0.51	0.08	0.01	0.01	0.27	0.28	0.01	0.07	0.08	—	590	590	< 0.005	0.09	0.04	615
Hauling	0.01	0.01	0.44	0.07	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	398	398	< 0.005	0.06	0.05	416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.09	1.49	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	658	658	0.01	0.01	< 0.005	660
Vendor	0.01	0.01	0.55	0.08	0.01	0.01	0.27	0.28	0.01	0.07	0.08	—	590	590	< 0.005	0.09	< 0.005	615
Hauling	0.01	0.01	0.48	0.07	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	398	398	< 0.005	0.06	< 0.005	416
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.60	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	260	260	< 0.005	< 0.005	0.01	261
Vendor	< 0.005	< 0.005	0.20	0.03	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	226	226	< 0.005	0.03	0.01	236

Hauling	< 0.005	< 0.005	0.18	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	153	153	< 0.005	0.02	0.01	160
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	43.1	43.1	< 0.005	< 0.005	< 0.005	43.2
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	37.4	37.4	< 0.005	0.01	< 0.005	39.1
Hauling	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.3	25.3	< 0.005	< 0.005	< 0.005	26.4

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	67.1	67.1	0.01	< 0.005	—	67.7
Total	—	—	—	—	—	—	—	—	—	—	—	—	67.1	67.1	0.01	< 0.005	—	67.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	67.1	67.1	0.01	< 0.005	—	67.7
Total	—	—	—	—	—	—	—	—	—	—	—	—	67.1	67.1	0.01	< 0.005	—	67.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	11.1	11.1	< 0.005	< 0.005	—	11.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	11.1	11.1	< 0.005	< 0.005	—	11.2

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrig Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.13	0.13	< 0.005	< 0.005	—	0.13
Total	0.02	0.02	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.13	0.13	< 0.005	< 0.005	—	0.13
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	—	0.01
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.01	0.01	< 0.005	< 0.005	—	0.01

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.35	0.00	0.35	0.04	0.00	—	1.24
Total	—	—	—	—	—	—	—	—	—	—	—	0.35	0.00	0.35	0.04	0.00	—	1.24
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.35	0.00	0.35	0.04	0.00	—	1.24
Total	—	—	—	—	—	—	—	—	—	—	—	0.35	0.00	0.35	0.04	0.00	—	1.24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21
Total	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.21

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.08	0.07	0.62	1.03	< 0.005	0.03	—	0.03	0.02	—	0.02	—	152	152	0.01	< 0.005	—	153
Cranes	0.43	0.37	3.28	3.06	0.01	0.13	—	0.13	0.12	—	0.12	—	990	990	0.04	0.01	—	993
Total	0.51	0.43	3.90	4.09	0.01	0.16	—	0.16	0.15	—	0.15	—	1,143	1,143	0.05	0.01	—	1,146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.08	0.07	0.62	1.03	< 0.005	0.03	—	0.03	0.02	—	0.02	—	152	152	0.01	< 0.005	—	153
Cranes	0.43	0.37	3.28	3.06	0.01	0.13	—	0.13	0.12	—	0.12	—	990	990	0.04	0.01	—	993
Total	0.51	0.43	3.90	4.09	0.01	0.16	—	0.16	0.15	—	0.15	—	1,143	1,143	0.05	0.01	—	1,146
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.07	0.07	< 0.005	< 0.005	—	0.07
Cranes	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.45	0.45	< 0.005	< 0.005	—	0.45
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.52	0.52	< 0.005	< 0.005	—	0.52

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	7/1/2026	7/28/2026	5.00	20.0	—
Gen-Tie Line Site Preparation	Site Preparation	12/30/2026	1/12/2027	5.00	10.0	—
Grading	Grading	7/29/2026	9/22/2026	5.00	40.0	—
Battery/Container Installation	Building Construction	9/23/2026	6/29/2027	5.00	200	—
Substation Installation	Building Construction	9/23/2026	1/12/2027	5.00	80.0	—
Gen-Tie Foundation and Tower Erection	Building Construction	1/13/2027	1/19/2027	5.00	5.00	—
Gen-Tie Stringing and Pulling	Building Construction	1/20/2027	2/16/2027	5.00	20.0	—
Commissioning	Building Construction	6/30/2027	7/27/2027	5.00	20.0	—
Decommissioning	Building Construction	5/31/2050	12/12/2050	5.00	140	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	2.00	10.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	10.0	84.0	0.37
Gen-Tie Line Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	10.0	367	0.40
Gen-Tie Line Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37
Grading	Graders	Diesel	Average	2.00	10.0	148	0.41

Grading	Tractors/Loaders/Back	Diesel	Average	2.00	10.0	84.0	0.37
Grading	Rollers	Diesel	Average	2.00	10.0	36.0	0.38
Battery/Container Installation	Air Compressors	Diesel	Average	1.00	10.0	37.0	0.48
Battery/Container Installation	Cranes	Diesel	Average	1.00	10.0	367	0.29
Battery/Container Installation	Forklifts	Diesel	Average	1.00	10.0	82.0	0.20
Battery/Container Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37
Substation Installation	Aerial Lifts	Diesel	Average	1.00	10.0	46.0	0.31
Substation Installation	Air Compressors	Diesel	Average	1.00	10.0	37.0	0.48
Substation Installation	Bore/Drill Rigs	Diesel	Average	1.00	10.0	83.0	0.50
Substation Installation	Forklifts	Diesel	Average	1.00	10.0	82.0	0.20
Substation Installation	Trenchers	Diesel	Average	1.00	10.0	40.0	0.50
Gen-Tie Foundation and Tower Erection	Air Compressors	Diesel	Average	1.00	10.0	37.0	0.48
Gen-Tie Foundation and Tower Erection	Cranes	Diesel	Average	1.00	10.0	367	0.29
Gen-Tie Foundation and Tower Erection	Forklifts	Diesel	Average	1.00	10.0	82.0	0.20
Gen-Tie Foundation and Tower Erection	Pumps	Diesel	Average	1.00	10.0	11.0	0.74
Gen-Tie Foundation and Tower Erection	Welders	Diesel	Average	2.00	10.0	46.0	0.45
Gen-Tie Foundation and Tower Erection	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Gen-Tie Stringing and Pulling	Aerial Lifts	Diesel	Average	1.00	10.0	46.0	0.31
Gen-Tie Stringing and Pulling	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37
Decommissioning	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73

Decommissioning	Cranes	Diesel	Average	2.00	10.0	367	0.29
Decommissioning	Rubber Tired Dozers	Diesel	Average	2.00	10.0	367	0.40
Decommissioning	Tractors/Loaders/Backhoes	Diesel	Average	2.00	10.0	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	40.0	14.9	LDA,LDT1,LDT2
Site Preparation	Vendor	8.00	40.0	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	40.0	14.9	LDA,LDT1,LDT2
Grading	Vendor	8.00	40.0	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Battery/Container Installation	—	—	—	—
Battery/Container Installation	Worker	120	14.9	LDA,LDT1,LDT2
Battery/Container Installation	Vendor	40.0	40.0	HHDT,MHDT
Battery/Container Installation	Hauling	2.00	120	HHDT
Battery/Container Installation	Onsite truck	—	—	HHDT
Gen-Tie Line Site Preparation	—	—	—	—
Gen-Tie Line Site Preparation	Worker	20.0	14.9	LDA,LDT1,LDT2
Gen-Tie Line Site Preparation	Vendor	8.00	40.0	HHDT,MHDT
Gen-Tie Line Site Preparation	Hauling	0.00	20.0	HHDT
Gen-Tie Line Site Preparation	Onsite truck	—	—	HHDT

Substation Installation	—	—	—	—
Substation Installation	Worker	30.0	14.9	LDA,LDT1,LDT2
Substation Installation	Vendor	16.0	40.0	HHDT,MHDT
Substation Installation	Hauling	24.0	40.0	HHDT
Substation Installation	Onsite truck	—	—	HHDT
Gen-Tie Foundation and Tower Erection	—	—	—	—
Gen-Tie Foundation and Tower Erection	Worker	20.0	14.9	LDA,LDT1,LDT2
Gen-Tie Foundation and Tower Erection	Vendor	8.00	40.0	HHDT,MHDT
Gen-Tie Foundation and Tower Erection	Hauling	0.00	20.0	HHDT
Gen-Tie Foundation and Tower Erection	Onsite truck	—	—	HHDT
Gen-Tie Stringing and Pulling	—	—	—	—
Gen-Tie Stringing and Pulling	Worker	20.0	14.9	LDA,LDT1,LDT2
Gen-Tie Stringing and Pulling	Vendor	8.00	40.0	HHDT,MHDT
Gen-Tie Stringing and Pulling	Hauling	0.00	20.0	HHDT
Gen-Tie Stringing and Pulling	Onsite truck	—	—	HHDT
Commissioning	—	—	—	—
Commissioning	Worker	320	14.9	LDA,LDT1,LDT2
Commissioning	Vendor	0.00	10.8	HHDT,MHDT
Commissioning	Hauling	0.00	20.0	HHDT
Commissioning	Onsite truck	—	—	HHDT
Decommissioning	—	—	—	—
Decommissioning	Worker	80.0	14.9	LDA,LDT1,LDT2
Decommissioning	Vendor	8.00	40.0	HHDT,MHDT
Decommissioning	Hauling	4.00	40.0	HHDT
Decommissioning	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	25.0	0.00	—
Gen-Tie Line Site Preparation	—	—	6.25	0.00	—
Grading	—	—	50.0	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O

2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2050	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	68.0	68.0	68.0	244	1,360	1,360	1,360	4,880

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,050	350	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	120,000	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	0.66	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
Cranes	Diesel	Average	1.00	8.00	367	0.29

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	25.5	annual days of extreme heat
Extreme Precipitation	2.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	15.9	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	1	1	1	2
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.2

AQ-PM	6.14
AQ-DPM	7.07
Drinking Water	8.62
Lead Risk Housing	51.1
Pesticides	87.0
Toxic Releases	4.29
Traffic	3.30
Effect Indicators	—
CleanUp Sites	37.6
Groundwater	71.7
Haz Waste Facilities/Generators	43.3
Impaired Water Bodies	91.9
Solid Waste	83.3
Sensitive Population	—
Asthma	37.5
Cardio-vascular	78.0
Low Birth Weights	71.3
Socioeconomic Factor Indicators	—
Education	83.9
Housing	21.6
Linguistic	63.3
Poverty	69.7
Unemployment	13.2

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	40.63903503
Employed	39.30450404
Median HI	41.72975747
Education	—
Bachelor's or higher	15.24445015
High school enrollment	100
Preschool enrollment	24.93263185
Transportation	—
Auto Access	43.87270627
Active commuting	46.59309637
Social	—
2-parent households	76.45322726
Voting	73.2580521
Neighborhood	—
Alcohol availability	49.71127935
Park access	39.93327345
Retail density	1.475683306
Supermarket access	44.86077249
Tree canopy	42.6793276
Housing	—
Homeownership	58.27024253
Housing habitability	67.48363916
Low-inc homeowner severe housing cost burden	64.71192095
Low-inc renter severe housing cost burden	92.86539202
Uncrowded housing	32.32388041
Health Outcomes	—
Insured adults	18.96573848
Arthritis	0.0

Asthma ER Admissions	72.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	33.5
Cognitively Disabled	50.3
Physically Disabled	45.1
Heart Attack ER Admissions	31.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	65.3
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.2
SLR Inundation Area	0.0
Children	56.6
Elderly	61.3
English Speaking	31.0
Foreign-born	67.8

Outdoor Workers	2.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	81.1
Traffic Density	2.3
Traffic Access	0.0
Other Indices	—
Hardship	73.6
Other Decision Support	—
2016 Voting	57.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	54.0
Healthy Places Index Score for Project Location (b)	44.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	BESS facility on 8.8 acres with up to 700 square foot SCADA building. Increased to 10 acres to account for potential ground disturbance for the 0.5-mile gen-tie line.
Construction: Construction Phases	Revised default schedule based on applicant input.
Construction: Off-Road Equipment	Equipment fleet based on input from applicant. A 1,000-kW generator may also be used during commissioning phase to maintain temperature of batteries, which was modeled in a spreadsheet model.
Construction: Trips and VMT	Default on-road vehicle assumptions revised based on applicant input. Battery container truck trip length based on one-way distance to Port of San Francisco. Also increased trip length of vendor trucks to 40 miles based on rural location of the project site.
Operations: Energy Use	Conservatively assumed electricity demand would be 10% of facility capacity
Operations: Water and Waste Water	Facility would be remotely operated and would not require water/wastewater
Operations: Solid Waste	—
Operations: Off-Road Equipment	1 crane and 1 forklift would be used for 1 day for maintenance/augmentation every 3 to 4 years, per applicant input

Saloon BESS Project

Generator Sets

		Rating		Operating Parameters/unit[1]			Emission Factors[1]									Emission Rates															
Equipment Description	Quantity	kW	HP	Load Factor	hr/day	hr/yr	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
							g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	ton/yr	MT/yr	MT/yr	MT/yr	MT/yr
Construction/Commissioning: Diesel Generator - 2027	1	1,000	1,360	0.73	4	80	0.14	0.50	2.6	0.0049	0.022	0.022	521.64	0.020944	0.004087	1.23	4.38	22.76	0.04	0.19	0.19	0.01	0.04	0.23	0.00	0.002	0.002	41.43	0.00	0.00	41.57
Operations/Backup: Diesel Generator	1	1,000	1,360	0.73	2	100	0.14	0.50	2.6	0.0049	0.022	0.022	521.64	0.020944	0.004087	0.61	2.19	11.38	0.02	0.10	0.10	0.02	0.05	0.28	0.00	0.002	0.002	51.79	0.00	0.00	51.96

Source:

1. Operational information based on applicant input. Current CARB and EPA engine standards for Tier 4 equipment.
2. Operational assumption assumes routine testing and maintenance of up to 2 hours per day and 100 hours per year

Conversions:

1 lb =	453.6	g
1 MT =	2204.623	lb
1 MT =	1000000	g

Attachment B

Health Risk Assessment Model Outputs

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Saloon BESS Project

Health Risk Assessment

Project Construction Emissions - On-Site Equipment and Trucks

	Unmitigated
	DPM
Year	tons/year
2026	0.035
2027	0.017
Total	**0.052**
Total Lbs	**104.157**
Lbs/year	**104.157**
Lbs/hour	**0.040**
g/s	**0.0015**

On-Site Construction: 3rd trimester start
260 active days
1.00 years

Project Construction Emissions - Gen-Tie

	Unmitigated
	DPM
Year	tons/year
2026	0.000
2027	0.003
Total	**0.003**
Total Lbs	**6.861**
Lbs/year	**6.861**
Lbs/hour	**0.003**
g/s	**0.0001**

Gen-Tie Construction: 0.5 years start
35 active days
0.13 years

Project Construction Emissions - Generator for Commissioning

	Unmitigated
	DPM
Year	tons/year
2027	0.002
Total	**0.002**
Total Lbs	**3.852**
Lbs/year	**3.852**
Lbs/hour	**0.001**
g/s	**0.00**

Commissioning: 1 years start
20 active days
0.08 years

Project Operational Emissions - Emergency Generator Testing

	Unmitigated
	DPM
Year	tons/year
Lbs/year	**4.815**
Lbs/hour	**0.001**
g/s	**0.0001**

Operations: 2 years start
25.00 years

Project Decommissioning Emissions

	Unmitigated
	DPM
Year	tons/year
2050	0.024
Total	**0.024**
Total Lbs	**47.145**
Lbs/year	**47.145**
Lbs/hour	**0.018**
g/s	**0.0007**

Decommissioning: 27 years start
140 active days
0.54 years

Risk	Unmitigated
Cancer - MEIR	4.28
Chronic - MEIR	0.0072
PM2.5 []	0.0252

Conversions:

1 ton =	2,000	lb
1 lb =	454	grams
1 year =	31,536,000	seconds
Construction =	10	hours/day
	2,600	hours/year
	260	days/year
	12	months
Operations =	24	hours/day
	8,760	hours/year
	365	days/year
	12	months

Diesel Off-road Equipment and Trucks (Line Volume Sources)

AERMOD Source Name	Description	No. of Vol. Sources	Emission Rate g/s	Release Height m	Plume Height m	Plume Width m
SLINE1	Offroad Equipment and Truck Exhaust - On-Site	284	1.00	5.00	10.00	10.00
SLINE2	Offroad Equipment and Truck Exhaust - Gen-Tie	34	1.00	5.00	10.00	10.00

Stationary Sources (Point Sources):

AERMOD Source Name	Equipment Description	Equipment Location	Rating (hp)	Stack Direction	Stack Height (m)	Stack Inside Diameter (m)	Gas Exhaust T (C)	Gas Exhaust Vel (m^3/s)
STCK1	Generator Exhaust	Adjacent to Substation	1,360	Vertical/capped	4.3	0.2	479.0	1.84
STCK2	Generator Exhaust	Adjacent to Substation	1,360	Vertical/capped	4.3	0.2	479.0	1.84

Notes:
Stack parameters based on Generac MD1000GEM specification sheet. Generator would have two stacks.

Receptors - Off-Site Nested Grid

Distance from Bounding Box (m)	Spacing (m)
0	50
500	100

Meteorological Data

Station Name		Years	Elev (m)
KMYV	Yuba County Airport	2015, 2016, 2018-2020	18.9

https://ww2.arb.ca.gov/resources/documents/harp-aermod-meteorological-files

Other Model Assumption

Rural or Urban	Rural
Urban Grp Pop	N/A
Variable Emissions	Yes, 10 hrs/weekday
Terrain Data	NED 1
Lakes Version	12.0.0
AERMOD Version	23132

Seahawk Energy Storage Facility Project

HARP2 Summation - Cancer Risk - Unmitigated Construction and Decommissioning - Sorted Max to Min

REC	GRP	NETID	X	Y	RISK_SUM	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		567850.6	4330286	4.28E-06	4.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		568070.48	4330427	2.18E-06	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		568312.99	4330303	6.27E-07	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		568376.21	4330472	3.57E-07	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		568670.29	4329476	2.42E-07	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		567687.15	4331380	2.05E-07	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		568314.27	4331038	1.37E-07	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		568804.4	4330314	1.19E-07	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		568933.21	4330439	9.26E-08	9.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		568947.73	4330522	9.04E-08	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		568878.74	4330766	8.51E-08	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		568622.48	4331157	8.24E-08	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		568967.99	4330811	7.32E-08	7.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		569336.77	4329962	6.23E-08	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		569435.69	4329841	5.93E-08	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Seahawk Energy Storage Facility Project

HARP2 Summation - Chronic Risk - Unmitigated Construction and Decommissioning - Sorted Max to Min

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE'	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		567850.6	4330286	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-03
2	ALL		568070.48	4330427	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03
4	ALL		568312.99	4330303	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
3	ALL		568376.21	4330472	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04
10	ALL		568670.29	4329476	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
11	ALL		567687.15	4331380	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
12	ALL		568314.27	4331038	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
5	ALL		568804.4	4330314	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
6	ALL		568933.21	4330439	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
7	ALL		568947.73	4330522	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
9	ALL		568878.74	4330766	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
13	ALL		568622.48	4331157	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
8	ALL		568967.99	4330811	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
14	ALL		569336.77	4329962	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
15	ALL		569435.69	4329841	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05

Saloon BESS Project Health Risk Assessment Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	Saloon BESS Project Health Risk Assessment
Construction Start Date	7/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	9.20
Location	39.117711, -122.214354
County	Colusa
City	Unincorporated
Air District	Colusa County APCD
Air Basin	Sacramento Valley
TAZ	228
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	0.70	1000sqft	10.0	700	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.19	2.70	23.6	22.9	0.07	1.01	6.40	7.40	0.93	3.29	4.21	—	7,300	7,300	0.30	0.07	0.26	7,327
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.04	3.46	27.3	32.7	0.07	0.99	3.24	4.23	0.91	1.65	2.56	—	7,299	7,299	0.30	0.09	0.01	7,327
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.08	0.91	5.62	8.49	0.03	0.21	0.43	0.64	0.20	0.19	0.39	—	2,800	2,800	0.12	0.03	0.03	2,810
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.20	0.17	1.03	1.55	< 0.005	0.04	0.08	0.12	0.04	0.04	0.07	—	463	463	0.02	< 0.005	< 0.005	465

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.19	2.70	23.6	22.9	0.04	1.01	6.40	7.40	0.93	3.29	4.21	—	4,203	4,203	0.18	0.07	0.26	4,219

2027	1.51	1.33	8.08	10.8	0.02	0.27	0.06	0.30	0.25	0.01	0.26	—	2,138	2,138	0.10	0.04	0.19	2,151
2050	2.83	2.39	14.0	22.1	0.07	0.37	0.02	0.38	0.34	< 0.005	0.34	—	7,300	7,300	0.30	0.07	< 0.005	7,327
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.04	3.46	27.3	32.7	0.05	0.99	3.24	4.23	0.91	1.65	2.56	—	5,695	5,695	0.27	0.09	0.01	5,728
2027	3.89	3.33	26.2	32.3	0.05	0.91	3.24	4.15	0.83	1.65	2.49	—	5,688	5,688	0.27	0.09	0.01	5,722
2050	2.82	2.38	14.0	22.2	0.07	0.37	0.02	0.38	0.34	< 0.005	0.34	—	7,299	7,299	0.30	0.07	< 0.005	7,327
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.86	0.74	5.62	7.21	0.01	0.21	0.43	0.64	0.20	0.19	0.39	—	1,217	1,217	0.06	0.02	0.02	1,224
2027	0.67	0.59	3.56	4.90	0.01	0.12	0.09	0.21	0.11	0.04	0.15	—	906	906	0.05	0.02	0.03	912
2050	1.08	0.91	5.37	8.49	0.03	0.14	0.01	0.15	0.13	< 0.005	0.13	—	2,800	2,800	0.12	0.03	< 0.005	2,810
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.16	0.14	1.03	1.32	< 0.005	0.04	0.08	0.12	0.04	0.04	0.07	—	202	202	0.01	< 0.005	< 0.005	203
2027	0.12	0.11	0.65	0.89	< 0.005	0.02	0.02	0.04	0.02	0.01	0.03	—	150	150	0.01	< 0.005	< 0.005	151
2050	0.20	0.17	0.98	1.55	< 0.005	0.03	< 0.005	0.03	0.02	< 0.005	0.02	—	463	463	0.02	< 0.005	< 0.005	465

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.02	2.54	23.4	22.4	0.04	1.01	—	1.01	0.93	—	0.93	—	4,173	4,173	0.17	0.03	—	4,187

Dust From Material Movement	—	—	—	—	—	—	6.39	6.39	—	3.28	3.28	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.23	< 0.005	0.06	—	0.06	0.05	—	0.05	—	229	229	0.01	< 0.005	—	229
Dust From Material Movement	—	—	—	—	—	—	0.35	0.35	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.9	37.9	< 0.005	< 0.005	—	38.0
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.03	0.38	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.7	14.7	0.01	< 0.005	0.03	16.0

Vendor	0.01	0.01	0.09	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.4	15.4	< 0.005	< 0.005	0.02	16.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.77	0.77	< 0.005	< 0.005	< 0.005	0.85
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.13	0.13	< 0.005	< 0.005	< 0.005	0.14
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.15
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Gen-Tie Line Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.51	1.27	11.7	11.2	0.02	0.50	—	0.50	0.46	—	0.46	—	2,086	2,086	0.08	0.02	—	2,094
Dust From Material Movement	—	—	—	—	—	—	3.19	3.19	—	1.64	1.64	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.17	8.17	< 0.005	< 0.005	—	8.19
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.35	1.35	< 0.005	< 0.005	—	1.36
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.02	0.27	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	7.04	7.04	< 0.005	< 0.005	< 0.005	7.72
Vendor	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.6	15.6	< 0.005	< 0.005	< 0.005	16.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Gen-Tie Line Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.23	11.2	11.0	0.02	0.48	—	0.48	0.44	—	0.44	—	2,086	2,086	0.08	0.02	—	2,094
Dust From Material Movement	—	—	—	—	—	—	3.19	3.19	—	1.64	1.64	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.03	0.03	0.26	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49.0	49.0	< 0.005	< 0.005	—	49.2
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.11	8.11	< 0.005	< 0.005	—	8.14
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.02	0.25	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	6.88	6.88	< 0.005	< 0.005	< 0.005	7.56
Vendor	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	< 0.005	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.18
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69	1.42	11.5	16.3	0.02	0.56	—	0.56	0.51	—	0.51	—	2,500	2,500	0.10	0.02	—	2,509
Dust From Material Movement	—	—	—	—	—	—	0.52	0.52	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.16	1.26	1.79	< 0.005	0.06	—	0.06	0.06	—	0.06	—	274	274	0.01	< 0.005	—	275
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.4	45.4	< 0.005	< 0.005	—	45.5
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.03	0.38	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.7	14.7	0.01	< 0.005	0.03	16.0
Vendor	0.01	0.01	0.09	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.4	15.4	< 0.005	< 0.005	0.02	16.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.69
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.70	1.70	< 0.005	< 0.005	< 0.005	1.77
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.29
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Battery/Container Installation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.87	9.41	0.02	0.30	—	0.30	0.28	—	0.28	—	2,014	2,014	0.08	0.02	—	2,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.87	9.41	0.02	0.30	—	0.30	0.28	—	0.28	—	2,014	2,014	0.08	0.02	—	2,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.54	1.84	< 0.005	0.06	—	0.06	0.05	—	0.05	—	394	394	0.02	< 0.005	—	395
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	65.2	65.2	< 0.005	< 0.005	—	65.5

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.49	0.49	0.09	1.14	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	44.0	44.0	0.02	0.01	0.08	48.0
Vendor	0.03	0.03	0.46	0.34	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	77.0	77.0	< 0.005	0.01	0.08	80.5
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.46	5.46	< 0.005	< 0.005	< 0.005	5.73
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.41	0.11	1.63	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	42.2	42.2	0.03	0.01	< 0.005	46.3
Vendor	0.03	0.02	0.49	0.36	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	78.1	78.1	< 0.005	0.01	< 0.005	81.8
Hauling	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.57	5.57	< 0.005	< 0.005	< 0.005	5.83
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.02	0.26	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	8.27	8.27	0.01	< 0.005	0.01	9.06
Vendor	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	0.01	15.8
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.13
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.37	1.37	< 0.005	< 0.005	< 0.005	1.50
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.51	2.51	< 0.005	< 0.005	< 0.005	2.62
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19

3.11. Battery/Container Installation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.50	9.38	0.02	0.27	—	0.27	0.25	—	0.25	—	2,014	2,014	0.08	0.02	—	2,020
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.50	9.38	0.02	0.27	—	0.27	0.25	—	0.25	—	2,014	2,014	0.08	0.02	—	2,020
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	2.64	3.30	0.01	0.10	—	0.10	0.09	—	0.09	—	709	709	0.03	0.01	—	712
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.05	0.48	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	117	117	< 0.005	< 0.005	—	118
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.46	0.46	0.09	1.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	43.1	43.1	0.02	0.01	0.07	46.2
Vendor	0.03	0.03	0.46	0.33	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	75.5	75.5	< 0.005	0.01	0.07	79.0
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.35	5.35	< 0.005	< 0.005	< 0.005	5.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.39	0.11	1.52	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	41.3	41.3	0.03	0.01	< 0.005	45.4
Vendor	0.03	0.02	0.49	0.35	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	76.6	76.6	< 0.005	0.01	< 0.005	80.0
Hauling	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.45	5.45	< 0.005	< 0.005	< 0.005	5.71
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.03	0.43	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.6	14.6	0.01	< 0.005	0.01	16.0
Vendor	0.01	0.01	0.17	0.12	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.8	26.8	< 0.005	< 0.005	0.01	28.0
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.90	1.90	< 0.005	< 0.005	< 0.005	1.99
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.41	2.41	< 0.005	< 0.005	< 0.005	2.64
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.43	4.43	< 0.005	< 0.005	< 0.005	4.63
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.33

3.13. Substation Installation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	6.24	8.91	0.01	0.18	—	0.18	0.17	—	0.17	—	1,337	1,337	0.05	0.01	—	1,342

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	6.24	8.91	0.01	0.18	—	0.18	0.17	—	0.17	—	1,337	1,337	0.05	0.01	—	1,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.74	< 0.005	0.04	—	0.04	0.03	—	0.03	—	262	262	0.01	< 0.005	—	263
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.3	43.3	< 0.005	< 0.005	—	43.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.02	0.29	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.0	11.0	0.01	< 0.005	0.02	12.0
Vendor	0.01	0.01	0.19	0.13	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	30.8	30.8	< 0.005	< 0.005	0.03	32.2
Hauling	0.03	0.02	0.41	0.30	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	65.6	65.6	< 0.005	0.01	0.04	68.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.11	0.10	0.03	0.41	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.6	10.6	0.01	< 0.005	< 0.005	11.6
Vendor	0.01	0.01	0.20	0.15	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	31.2	31.2	< 0.005	< 0.005	< 0.005	32.7
Hauling	0.02	0.02	0.43	0.31	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	66.8	66.8	< 0.005	0.01	< 0.005	69.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.07	2.07	< 0.005	< 0.005	< 0.005	2.27
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.06	6.06	< 0.005	< 0.005	< 0.005	6.33
Hauling	< 0.005	< 0.005	0.08	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	< 0.005	13.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.34	0.34	< 0.005	< 0.005	< 0.005	0.37
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.00	1.00	< 0.005	< 0.005	< 0.005	1.05
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.24

3.15. Substation Installation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	6.04	8.89	0.01	0.16	—	0.16	0.14	—	0.14	—	1,336	1,336	0.05	0.01	—	1,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.02	0.02	0.14	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.4	31.4	< 0.005	< 0.005	—	31.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.20	5.20	< 0.005	< 0.005	—	5.21
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.03	0.38	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	0.01	< 0.005	< 0.005	11.3
Vendor	0.01	0.01	0.19	0.14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	30.6	30.6	< 0.005	< 0.005	< 0.005	32.0
Hauling	0.02	0.02	0.43	0.31	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	65.4	65.4	< 0.005	0.01	< 0.005	68.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.27
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.75
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.52	1.52	< 0.005	< 0.005	< 0.005	1.59
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.12
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.25	0.25	< 0.005	< 0.005	< 0.005	0.26

3.17. Gen-Tie Foundation and Tower Erection (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.56	1.29	10.7	12.0	0.03	0.36	—	0.36	0.33	—	0.33	—	2,342	2,342	0.09	0.02	—	2,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.1	32.1	< 0.005	< 0.005	—	32.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.31	5.31	< 0.005	< 0.005	—	5.33
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.02	0.25	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	6.88	6.88	< 0.005	< 0.005	< 0.005	7.56
Vendor	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	< 0.005	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Gen-Tie Stringing and Pulling (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	2.14	3.35	0.01	0.04	—	0.04	0.04	—	0.04	—	547	547	0.02	< 0.005	—	549
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.0	30.0	< 0.005	< 0.005	—	30.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.97	4.97	< 0.005	< 0.005	—	4.98
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.02	0.25	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	6.88	6.88	< 0.005	< 0.005	< 0.005	7.56
Vendor	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	< 0.005	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.41
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.83	0.83	< 0.005	< 0.005	< 0.005	0.87
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.07
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Commissioning (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.22	0.24	2.84	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	115	115	0.05	0.02	0.19	123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.01	0.18	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	6.04	6.04	< 0.005	< 0.005	< 0.005	6.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.00	1.00	< 0.005	< 0.005	< 0.005	1.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Decommissioning (2050) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.71	2.27	13.8	21.7	0.07	0.37	—	0.37	0.34	—	0.34	—	7,256	7,256	0.29	0.06	—	7,281
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.71	2.27	13.8	21.7	0.07	0.37	—	0.37	0.34	—	0.34	—	7,256	7,256	0.29	0.06	—	7,281
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	0.87	5.30	8.33	0.03	0.14	—	0.14	0.13	—	0.13	—	2,783	2,783	0.11	0.02	—	2,793

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	0.97	1.52	< 0.005	0.03	—	0.03	0.02	—	0.02	—	461	461	0.02	< 0.005	—	462
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.03	0.28	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	22.9	22.9	0.01	0.01	< 0.005	24.6
Vendor	< 0.005	< 0.005	0.07	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3
Hauling	< 0.005	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.04	9.04	< 0.005	< 0.005	< 0.005	9.47
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.03	0.38	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	21.6	21.6	0.01	0.01	< 0.005	23.4
Vendor	< 0.005	< 0.005	0.08	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.5
Hauling	< 0.005	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.24	9.24	< 0.005	< 0.005	< 0.005	9.68
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.12	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.37	8.37	< 0.005	< 0.005	< 0.005	9.03
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.54	4.54	< 0.005	< 0.005	< 0.005	4.75
Hauling	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.50	3.50	< 0.005	< 0.005	< 0.005	3.67
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.39	1.39	< 0.005	< 0.005	< 0.005	1.49
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.75	0.75	< 0.005	< 0.005	< 0.005	0.79
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	7/1/2026	7/28/2026	5.00	20.0	—
Gen-Tie Line Site Preparation	Site Preparation	12/30/2026	1/12/2027	5.00	10.0	—
Grading	Grading	7/29/2026	9/22/2026	5.00	40.0	—
Battery/Container Installation	Building Construction	9/23/2026	6/29/2027	5.00	200	—
Substation Installation	Building Construction	9/23/2026	1/12/2027	5.00	80.0	—
Gen-Tie Foundation and Tower Erection	Building Construction	1/13/2027	1/19/2027	5.00	5.00	—
Gen-Tie Stringing and Pulling	Building Construction	1/20/2027	2/16/2027	5.00	20.0	—
Commissioning	Building Construction	6/30/2027	7/27/2027	5.00	20.0	—
Decommissioning	Building Construction	5/31/2050	12/12/2050	5.00	140	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	2.00	10.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	10.0	84.0	0.37
Gen-Tie Line Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	10.0	367	0.40
Gen-Tie Line Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37
Grading	Graders	Diesel	Average	2.00	10.0	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	10.0	84.0	0.37
Grading	Rollers	Diesel	Average	2.00	10.0	36.0	0.38
Battery/Container Installation	Air Compressors	Diesel	Average	1.00	10.0	37.0	0.48
Battery/Container Installation	Cranes	Diesel	Average	1.00	10.0	367	0.29
Battery/Container Installation	Forklifts	Diesel	Average	1.00	10.0	82.0	0.20
Battery/Container Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37
Substation Installation	Aerial Lifts	Diesel	Average	1.00	10.0	46.0	0.31
Substation Installation	Air Compressors	Diesel	Average	1.00	10.0	37.0	0.48
Substation Installation	Bore/Drill Rigs	Diesel	Average	1.00	10.0	83.0	0.50
Substation Installation	Forklifts	Diesel	Average	1.00	10.0	82.0	0.20
Substation Installation	Trenchers	Diesel	Average	1.00	10.0	40.0	0.50
Gen-Tie Foundation and Tower Erection	Air Compressors	Diesel	Average	1.00	10.0	37.0	0.48
Gen-Tie Foundation and Tower Erection	Cranes	Diesel	Average	1.00	10.0	367	0.29
Gen-Tie Foundation and Tower Erection	Forklifts	Diesel	Average	1.00	10.0	82.0	0.20
Gen-Tie Foundation and Tower Erection	Pumps	Diesel	Average	1.00	10.0	11.0	0.74

Gen-Tie Foundation and Tower Erection	Welders	Diesel	Average	2.00	10.0	46.0	0.45
Gen-Tie Foundation and Tower Erection	Cement and Mortar Mixers	Diesel	Average	1.00	10.0	10.0	0.56
Gen-Tie Stringing and Pulling	Aerial Lifts	Diesel	Average	1.00	10.0	46.0	0.31
Gen-Tie Stringing and Pulling	Tractors/Loaders/Back hoes	Diesel	Average	1.00	10.0	84.0	0.37
Decommissioning	Concrete/Industrial Saws	Diesel	Average	2.00	10.0	33.0	0.73
Decommissioning	Cranes	Diesel	Average	2.00	10.0	367	0.29
Decommissioning	Rubber Tired Dozers	Diesel	Average	2.00	10.0	367	0.40
Decommissioning	Tractors/Loaders/Back hoes	Diesel	Average	2.00	10.0	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	40.0	0.25	LDA,LDT1,LDT2
Site Preparation	Vendor	8.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	0.25	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	40.0	0.25	LDA,LDT1,LDT2
Grading	Vendor	8.00	0.25	HHDT,MHDT
Grading	Hauling	0.00	0.25	HHDT
Grading	Onsite truck	—	—	HHDT
Battery/Container Installation	—	—	—	—

Battery/Container Installation	Worker	120	0.25	LDA,LDT1,LDT2
Battery/Container Installation	Vendor	40.0	0.25	HHDT,MHDT
Battery/Container Installation	Hauling	2.00	0.25	HHDT
Battery/Container Installation	Onsite truck	—	—	HHDT
Gen-Tie Line Site Preparation	—	—	—	—
Gen-Tie Line Site Preparation	Worker	20.0	0.25	LDA,LDT1,LDT2
Gen-Tie Line Site Preparation	Vendor	8.00	0.25	HHDT,MHDT
Gen-Tie Line Site Preparation	Hauling	0.00	0.25	HHDT
Gen-Tie Line Site Preparation	Onsite truck	—	—	HHDT
Substation Installation	—	—	—	—
Substation Installation	Worker	30.0	0.25	LDA,LDT1,LDT2
Substation Installation	Vendor	16.0	0.25	HHDT,MHDT
Substation Installation	Hauling	24.0	0.25	HHDT
Substation Installation	Onsite truck	—	—	HHDT
Gen-Tie Foundation and Tower Erection	—	—	—	—
Gen-Tie Foundation and Tower Erection	Worker	20.0	0.25	LDA,LDT1,LDT2
Gen-Tie Foundation and Tower Erection	Vendor	8.00	0.25	HHDT,MHDT
Gen-Tie Foundation and Tower Erection	Hauling	0.00	0.25	HHDT
Gen-Tie Foundation and Tower Erection	Onsite truck	—	—	HHDT
Gen-Tie Stringing and Pulling	—	—	—	—
Gen-Tie Stringing and Pulling	Worker	20.0	0.25	LDA,LDT1,LDT2
Gen-Tie Stringing and Pulling	Vendor	8.00	0.25	HHDT,MHDT
Gen-Tie Stringing and Pulling	Hauling	0.00	0.25	HHDT
Gen-Tie Stringing and Pulling	Onsite truck	—	—	HHDT
Commissioning	—	—	—	—

Commissioning	Worker	320	0.25	LDA,LDT1,LDT2
Commissioning	Vendor	0.00	0.25	HHDT,MHDT
Commissioning	Hauling	0.00	0.25	HHDT
Commissioning	Onsite truck	—	—	HHDT
Decommissioning	—	—	—	—
Decommissioning	Worker	80.0	0.25	LDA,LDT1,LDT2
Decommissioning	Vendor	8.00	0.25	HHDT,MHDT
Decommissioning	Hauling	4.00	0.25	HHDT
Decommissioning	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	25.0	0.00	—
Gen-Tie Line Site Preparation	—	—	6.25	0.00	—
Grading	—	—	50.0	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction

Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2050	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	25.5	annual days of extreme heat
Extreme Precipitation	2.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	15.9	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	1	1	1	2
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.2
AQ-PM	6.14
AQ-DPM	7.07
Drinking Water	8.62
Lead Risk Housing	51.1
Pesticides	87.0
Toxic Releases	4.29
Traffic	3.30
Effect Indicators	—
CleanUp Sites	37.6
Groundwater	71.7
Haz Waste Facilities/Generators	43.3
Impaired Water Bodies	91.9
Solid Waste	83.3
Sensitive Population	—
Asthma	37.5
Cardio-vascular	78.0
Low Birth Weights	71.3
Socioeconomic Factor Indicators	—
Education	83.9
Housing	21.6
Linguistic	63.3
Poverty	69.7
Unemployment	13.2

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	40.63903503
Employed	39.30450404
Median HI	41.72975747
Education	—
Bachelor's or higher	15.24445015
High school enrollment	100
Preschool enrollment	24.93263185
Transportation	—
Auto Access	43.87270627
Active commuting	46.59309637
Social	—
2-parent households	76.45322726
Voting	73.2580521
Neighborhood	—
Alcohol availability	49.71127935
Park access	39.93327345
Retail density	1.475683306
Supermarket access	44.86077249
Tree canopy	42.6793276
Housing	—
Homeownership	58.27024253
Housing habitability	67.48363916
Low-inc homeowner severe housing cost burden	64.71192095
Low-inc renter severe housing cost burden	92.86539202
Uncrowded housing	32.32388041
Health Outcomes	—

Insured adults	18.96573848
Arthritis	0.0
Asthma ER Admissions	72.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	33.5
Cognitively Disabled	50.3
Physically Disabled	45.1
Heart Attack ER Admissions	31.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	65.3
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.2
SLR Inundation Area	0.0
Children	56.6
Elderly	61.3

English Speaking	31.0
Foreign-born	67.8
Outdoor Workers	2.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	81.1
Traffic Density	2.3
Traffic Access	0.0
Other Indices	—
Hardship	73.6
Other Decision Support	—
2016 Voting	57.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	54.0
Healthy Places Index Score for Project Location (b)	44.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	BESS facility on 8.8 acres with up to 700 square foot SCADA building. Increased to 10 acres to account for potential ground disturbance for the 0.5-mile gen-tie line.
Construction: Construction Phases	Revised default schedule based on applicant input.
Construction: Off-Road Equipment	Equipment fleet based on input from applicant. A 1,000-kW generator may also be used during commissioning phase to maintain temperature of batteries, which was modeled in a spreadsheet model.
Construction: Trips and VMT	Default on-road vehicle assumptions revised based on applicant input. Trip lengths of 0.25 miles were assumed for all on-road vehicles to account for localized emissions in the construction HRA.
Operations: Energy Use	Conservatively assumed electricity demand would be 10% of facility capacity
Operations: Water and Waste Water	Facility would be remotely operated and would not require water/wastewater
Operations: Solid Waste	Facility would be remotely operated and would not generate solid waste
Operations: Off-Road Equipment	1 crane and 1 forklift would be used for 1 day for maintenance/augmentation every 3 to 4 years, per applicant input

Saloon BESS Project - On-Site Construction Equipment and Truck Exhaust - Unmitigated

*HARP - HRACalc v22118 12/9/2024 11:47:01 AM - Cancer Risk

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISI	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_	EGG_RISK
1	ALL		567850.6	4330286	4.16E-06	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		568070.5	4330427	2.08E-06	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		568376.2	4330472	3.41E-07	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		568313	4330303	6.03E-07	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		568804.4	4330314	1.13E-07	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		568933.2	4330439	8.79E-08	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		568947.7	4330522	8.60E-08	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		568968	4330811	6.86E-08	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		568878.7	4330766	8.00E-08	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		568670.3	4329476	2.28E-07	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		567687.2	4331380	1.67E-07	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		568314.3	4331038	1.25E-07	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		568622.5	4331157	7.55E-08	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		569336.8	4329962	5.86E-08	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		569435.7	4329841	5.55E-08	1YrCancerDerived_InhSoilDermMMilk_FAH16to70	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Saloon BESS Project - On-Site Construction Equipment and Truck Exhaust - Unmitigated

*HARP - HRACalc v22118 12/9/2024 11:47:01 AM - Chronic Risk

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		567850.6	4330286	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-03
2	ALL		568070.5	4330427	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03
3	ALL		568376.2	4330472	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
4	ALL		568313	4330303	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04
5	ALL		568804.4	4330314	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
6	ALL		568933.2	4330439	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05
7	ALL		568947.7	4330522	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05
8	ALL		568968	4330811	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
9	ALL		568878.7	4330766	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05
10	ALL		568670.3	4329476	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
11	ALL		567687.2	4331380	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
12	ALL		568314.3	4331038	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
13	ALL		568622.5	4331157	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05
14	ALL		569336.8	4329962	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05
15	ALL		569435.7	4329841	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05

Saloon BESS Project - Gen-Tie Equipment and Truck Exhaust - Unmitigated

*HARP - HRACalc v22118 12/9/2024 1:38:59 PM - Cancer Risk

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISI	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_	EGG_RISK
1	ALL		567850.6	4330286	3.64E-08	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		568070.5	4330427	1.52E-08	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		568376.2	4330472	1.38E-09	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		568313	4330303	2.18E-09	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		568804.4	4330314	5.88E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	5.88E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		568933.2	4330439	4.13E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		568947.7	4330522	3.72E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		568968	4330811	4.17E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		568878.7	4330766	4.68E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.68E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		568670.3	4329476	9.63E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	9.63E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		567687.2	4331380	1.20E-09	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		568314.3	4331038	8.36E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		568622.5	4331157	4.91E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		569336.8	4329962	3.52E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		569435.7	4329841	3.51E-10	0.13YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Saloon BESS Project - Gen-Tie Equipment and Truck Exhaust - Unmitigated

*HARP - HRACalc v22118 12/9/2024 1:38:59 PM - Chronic Risk

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		567850.6	4330286	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
2	ALL		568070.5	4330427	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
3	ALL		568376.2	4330472	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-05
4	ALL		568313	4330303	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05
5	ALL		568804.4	4330314	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-06
6	ALL		568933.2	4330439	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-06
7	ALL		568947.7	4330522	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06
8	ALL		568968	4330811	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-06
9	ALL		568878.7	4330766	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-06
10	ALL		568670.3	4329476	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-06
11	ALL		567687.2	4331380	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
12	ALL		568314.3	4331038	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-06
13	ALL		568622.5	4331157	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-06
14	ALL		569336.8	4329962	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-06
15	ALL		569435.7	4329841	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-06

Saloon BESS Project - Construction Commissioning Generator Exhaust - Unmitigated

*HARP - HRACalc v22118 12/11/2024 3:30:42 PM - Cancer Risk

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISI	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_	EGG_RISK
1	ALL		567850.6	4330286	1.90E-09	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		568070.5	4330427	2.37E-09	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		568376.2	4330472	4.99E-10	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		568313	4330303	7.33E-10	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	7.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		568804.4	4330314	1.29E-10	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.29E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		568933.2	4330439	9.99E-11	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	9.99E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		568947.7	4330522	9.79E-11	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	9.79E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		568968	4330811	9.30E-11	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	9.30E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		568878.7	4330766	1.09E-10	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		568670.3	4329476	2.64E-10	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		567687.2	4331380	3.07E-10	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		568314.3	4331038	2.06E-10	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		568622.5	4331157	1.21E-10	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		569336.8	4329962	5.88E-11	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	5.88E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		569435.7	4329841	5.42E-11	0.08YrCancerDerived_InhSoilDermMMilk_FAH16to70	5.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Saloon BESS Project - Construction Commissioning Generator Exhaust - Unmitigated

*HARP - HRACalc v22118 12/11/2024 3:30:42 PM - Chronic Risk

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		567850.6	4330286	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
2	ALL		568070.5	4330427	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
3	ALL		568376.2	4330472	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-06
4	ALL		568313	4330303	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05
5	ALL		568804.4	4330314	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06
6	ALL		568933.2	4330439	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06
7	ALL		568947.7	4330522	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-06
8	ALL		568968	4330811	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06
9	ALL		568878.7	4330766	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06
10	ALL		568670.3	4329476	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-06
11	ALL		567687.2	4331380	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-06
12	ALL		568314.3	4331038	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-06
13	ALL		568622.5	4331157	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-06
14	ALL		569336.8	4329962	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-07
15	ALL		569435.7	4329841	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-07

Saloon BESS Project - Decommissioning Equipment and Truck Exhaust - Unmitigated

*HARP - HRACalc v22118 12/9/2024 2:03:53 PM - Cancer Risk

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISI	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_	EGG_RISK
1	ALL		567850.6	4330286	2.11E-08	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		568070.5	4330427	1.05E-08	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		568376.2	4330472	1.73E-09	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		568313	4330303	3.06E-09	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		568804.4	4330314	5.72E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	5.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		568933.2	4330439	4.45E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		568947.7	4330522	4.35E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		568968	4330811	3.47E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		568878.7	4330766	4.05E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		568670.3	4329476	1.16E-09	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		567687.2	4331380	8.45E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		568314.3	4331038	6.34E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	6.34E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		568622.5	4331157	3.82E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		569336.8	4329962	2.97E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.97E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		569435.7	4329841	2.81E-10	0.54YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.81E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Saloon BESS Project - Decommissioning Equipment and Truck Exhaust - Unmitigated

*HARP - HRACalc v22118 12/9/2024 2:03:53 PM - Chronic Risk

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		567850.6	4330286	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
2	ALL		568070.5	4330427	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
3	ALL		568376.2	4330472	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
4	ALL		568313	4330303	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
5	ALL		568804.4	4330314	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
6	ALL		568933.2	4330439	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
7	ALL		568947.7	4330522	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
8	ALL		568968	4330811	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
9	ALL		568878.7	4330766	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-05
10	ALL		568670.3	4329476	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
11	ALL		567687.2	4331380	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05
12	ALL		568314.3	4331038	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
13	ALL		568622.5	4331157	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
14	ALL		569336.8	4329962	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
15	ALL		569435.7	4329841	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05

Saloon BESS Project - Operations Emergency Generator Exhaust - Unmitigated

*HARP - HRACalc v22118 12/11/2024 3:31:43 PM - Cancer Risk

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISI	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_	EGG_RISK
1	ALL		567850.6	4330286	5.94E-08	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		568070.5	4330427	6.73E-08	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		568376.2	4330472	1.31E-08	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		568313	4330303	1.72E-08	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		568804.4	4330314	4.41E-09	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		568933.2	4330439	3.70E-09	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		568947.7	4330522	3.54E-09	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		568968	4330811	3.76E-09	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		568878.7	4330766	4.11E-09	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		568670.3	4329476	1.13E-08	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		567687.2	4331380	3.53E-08	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		568314.3	4331038	9.83E-09	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		568622.5	4331157	5.94E-09	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		569336.8	4329962	2.98E-09	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		569435.7	4329841	3.04E-09	25YrCancerDerived_InhSoilDermMMilk_FAH16to70	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Saloon BESS Project - Operations Emergency Generator Exhaust - Unmitigated

*HARP - HRACalc v22118 12/11/2024 3:31:43 PM - Chronic Risk

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		567850.6	4330286	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-05
2	ALL		568070.5	4330427	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
3	ALL		568376.2	4330472	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-06
4	ALL		568313	4330303	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-06
5	ALL		568804.4	4330314	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06
6	ALL		568933.2	4330439	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06
7	ALL		568947.7	4330522	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-06
8	ALL		568968	4330811	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06
9	ALL		568878.7	4330766	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-06
10	ALL		568670.3	4329476	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-06
11	ALL		567687.2	4331380	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05
12	ALL		568314.3	4331038	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-06
13	ALL		568622.5	4331157	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06
14	ALL		569336.8	4329962	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06
15	ALL		569435.7	4329841	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06

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** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 12/10/2024
** File: C:\Lakes\AERMOD View\Saloon BESS\Saloon BESS.ADI
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** AERMOD Control Pathway
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   TITLETWO Saloon BESS Construction
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL "Saloon BESS.err"
CO FINISHED
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** AERMOD Source Pathway
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SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
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** DESCRSRC Offroad Equipment and Truck Exhaust - On-Site
** PREFIX
** Length of Side = 10.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 10.00
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   LOCATION L0000016     VOLUME   567980.379 4330188.094 43.93
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LOCATION L0000270 VOLUME 568031.459 4330037.471 44.37
LOCATION L0000271 VOLUME 568031.486 4330047.471 44.34
LOCATION L0000272 VOLUME 568031.512 4330057.471 44.31
LOCATION L0000273 VOLUME 568031.539 4330067.471 44.27
LOCATION L0000274 VOLUME 568031.566 4330077.471 44.23
LOCATION L0000275 VOLUME 568031.593 4330087.471 44.19
LOCATION L0000276 VOLUME 568031.620 4330097.471 44.15
LOCATION L0000277 VOLUME 568031.647 4330107.471 44.11
LOCATION L0000278 VOLUME 568031.673 4330117.471 44.06
LOCATION L0000279 VOLUME 568031.700 4330127.471 44.01
LOCATION L0000280 VOLUME 568031.727 4330137.471 43.98
LOCATION L0000281 VOLUME 568031.754 4330147.471 43.95
LOCATION L0000282 VOLUME 568031.781 4330157.471 43.91
LOCATION L0000283 VOLUME 568031.807 4330167.471 43.88
LOCATION L0000284 VOLUME 568031.834 4330177.471 43.85
LOCATION L0000285 VOLUME 568031.861 4330187.471 43.82
LOCATION L0000286 VOLUME 568031.888 4330197.471 43.79
LOCATION L0000287 VOLUME 568031.915 4330207.471 43.76
LOCATION L0000288 VOLUME 568031.941 4330217.471 43.73
LOCATION L0000289 VOLUME 568031.968 4330227.470 43.69
LOCATION L0000290 VOLUME 568031.995 4330237.470 43.66
LOCATION L0000291 VOLUME 568032.022 4330247.470 43.63
LOCATION L0000292 VOLUME 568032.049 4330257.470 43.60
LOCATION L0000293 VOLUME 568032.076 4330267.470 43.57
LOCATION L0000294 VOLUME 568032.102 4330277.470 43.53
LOCATION L0000295 VOLUME 568032.129 4330287.470 43.50
LOCATION L0000296 VOLUME 568032.156 4330297.470 43.46
LOCATION L0000297 VOLUME 568032.183 4330307.470 43.43
LOCATION L0000298 VOLUME 568030.446 4330315.712 43.39
LOCATION L0000299 VOLUME 568020.446 4330315.712 43.41
LOCATION L0000300 VOLUME 568014.589 4330311.614 43.45
LOCATION L0000301 VOLUME 568014.697 4330301.615 43.49
LOCATION L0000302 VOLUME 568014.806 4330291.615 43.54
LOCATION L0000303 VOLUME 568014.915 4330281.616 43.58
LOCATION L0000304 VOLUME 568015.024 4330271.616 43.61
LOCATION L0000305 VOLUME 568015.133 4330261.617 43.64
LOCATION L0000306 VOLUME 568015.241 4330251.617 43.67
LOCATION L0000307 VOLUME 568015.350 4330241.618 43.70
LOCATION L0000308 VOLUME 568015.459 4330231.619 43.73
LOCATION L0000309 VOLUME 568015.568 4330221.619 43.76
LOCATION L0000310 VOLUME 568015.677 4330211.620 43.80
LOCATION L0000311 VOLUME 568015.785 4330201.620 43.83
LOCATION L0000312 VOLUME 568015.894 4330191.621 43.86
LOCATION L0000313 VOLUME 568016.003 4330181.622 43.89
LOCATION L0000314 VOLUME 568016.112 4330171.622 43.92
LOCATION L0000315 VOLUME 568016.221 4330161.623 43.95
LOCATION L0000316 VOLUME 568016.329 4330151.623 43.99

LOCATION L0000317 VOLUME 568013.238 4330144.854 44.01
LOCATION L0000318 VOLUME 568003.240 4330145.055 44.03
LOCATION L0000319 VOLUME 567993.242 4330145.256 44.04
LOCATION L0000320 VOLUME 567983.244 4330145.457 44.06
LOCATION L0000321 VOLUME 567973.246 4330145.658 44.08
LOCATION L0000322 VOLUME 567963.248 4330145.860 44.08
LOCATION L0000323 VOLUME 567953.250 4330146.061 44.08
LOCATION L0000324 VOLUME 567943.252 4330146.262 44.09
LOCATION L0000325 VOLUME 567933.254 4330146.463 44.09
LOCATION L0000326 VOLUME 567923.256 4330146.664 44.09
LOCATION L0000327 VOLUME 567913.476 4330146.650 44.10
LOCATION L0000328 VOLUME 567913.771 4330136.654 44.13
LOCATION L0000329 VOLUME 567914.067 4330126.658 44.16
LOCATION L0000330 VOLUME 567914.363 4330116.663 44.20
LOCATION L0000331 VOLUME 567914.659 4330106.667 44.24
LOCATION L0000332 VOLUME 567914.954 4330096.671 44.28
LOCATION L0000333 VOLUME 567915.250 4330086.676 44.32
LOCATION L0000334 VOLUME 567915.546 4330076.680 44.35
LOCATION L0000335 VOLUME 567915.842 4330066.685 44.38
LOCATION L0000336 VOLUME 567916.137 4330056.689 44.41
LOCATION L0000337 VOLUME 567916.433 4330046.693 44.44
LOCATION L0000338 VOLUME 567916.729 4330036.698 44.47
LOCATION L0000339 VOLUME 567917.024 4330026.702 44.50
LOCATION L0000340 VOLUME 567918.888 4330018.284 44.52
LOCATION L0000341 VOLUME 567928.885 4330018.054 44.51
LOCATION L0000342 VOLUME 567938.883 4330017.823 44.50
LOCATION L0000343 VOLUME 567948.880 4330017.592 44.50
LOCATION L0000344 VOLUME 567958.877 4330017.362 44.50
LOCATION L0000345 VOLUME 567968.875 4330017.131 44.50
LOCATION L0000346 VOLUME 567978.872 4330016.900 44.50
LOCATION L0000347 VOLUME 567988.869 4330016.669 44.50
LOCATION L0000348 VOLUME 567998.867 4330016.439 44.50
LOCATION L0000349 VOLUME 568008.864 4330016.208 44.49
LOCATION L0000350 VOLUME 568016.167 4330018.753 44.47
LOCATION L0000351 VOLUME 568016.233 4330028.753 44.44
LOCATION L0000352 VOLUME 568016.299 4330038.752 44.40
LOCATION L0000353 VOLUME 568016.365 4330048.752 44.37
LOCATION L0000354 VOLUME 568016.432 4330058.752 44.34
LOCATION L0000355 VOLUME 568016.498 4330068.752 44.31
LOCATION L0000356 VOLUME 568016.564 4330078.752 44.27
LOCATION L0000357 VOLUME 568016.630 4330088.751 44.23
LOCATION L0000358 VOLUME 568016.697 4330098.751 44.19
LOCATION L0000359 VOLUME 568016.763 4330108.751 44.15
LOCATION L0000360 VOLUME 568016.829 4330118.751 44.10
LOCATION L0000361 VOLUME 568016.895 4330128.750 44.06
LOCATION L0000362 VOLUME 568009.049 4330131.024 44.07
LOCATION L0000363 VOLUME 567999.050 4330131.197 44.08
LOCATION L0000364 VOLUME 567989.052 4330131.369 44.10
LOCATION L0000365 VOLUME 567979.053 4330131.541 44.11
LOCATION L0000366 VOLUME 567969.055 4330131.714 44.12

LOCATION L0000367 VOLUME 567959.056 4330131.886 44.13
LOCATION L0000368 VOLUME 567949.058 4330132.058 44.13
LOCATION L0000369 VOLUME 567939.059 4330132.231 44.13
LOCATION L0000370 VOLUME 567929.061 4330132.403 44.14
LOCATION L0000371 VOLUME 567928.982 4330122.794 44.17
LOCATION L0000372 VOLUME 567929.294 4330112.799 44.21
LOCATION L0000373 VOLUME 567929.606 4330102.804 44.25
LOCATION L0000374 VOLUME 567929.919 4330092.809 44.28
LOCATION L0000375 VOLUME 567930.231 4330082.814 44.31
LOCATION L0000376 VOLUME 567930.543 4330072.818 44.34
LOCATION L0000377 VOLUME 567930.856 4330062.823 44.37
LOCATION L0000378 VOLUME 567931.168 4330052.828 44.40
LOCATION L0000379 VOLUME 567931.481 4330042.833 44.43
LOCATION L0000380 VOLUME 567933.941 4330035.007 44.45
LOCATION L0000381 VOLUME 567943.939 4330034.795 44.44
LOCATION L0000382 VOLUME 567953.936 4330034.582 44.44
LOCATION L0000383 VOLUME 567963.934 4330034.369 44.45
LOCATION L0000384 VOLUME 567973.932 4330034.157 44.45
LOCATION L0000385 VOLUME 567983.929 4330033.944 44.45
LOCATION L0000386 VOLUME 567993.927 4330033.731 44.45
LOCATION L0000387 VOLUME 568003.206 4330034.240 44.44
LOCATION L0000388 VOLUME 568003.022 4330044.238 44.41
LOCATION L0000389 VOLUME 568002.839 4330054.236 44.37
LOCATION L0000390 VOLUME 568002.656 4330064.234 44.34
LOCATION L0000391 VOLUME 568002.472 4330074.233 44.30
LOCATION L0000392 VOLUME 568002.289 4330084.231 44.27
LOCATION L0000393 VOLUME 568002.105 4330094.229 44.23
LOCATION L0000394 VOLUME 568001.922 4330104.228 44.19
LOCATION L0000395 VOLUME 568001.738 4330114.226 44.14
LOCATION L0000396 VOLUME 567993.916 4330116.749 44.15
LOCATION L0000397 VOLUME 567983.924 4330117.148 44.16
LOCATION L0000398 VOLUME 567973.932 4330117.548 44.17
LOCATION L0000399 VOLUME 567963.940 4330117.948 44.17
LOCATION L0000400 VOLUME 567953.948 4330118.347 44.18
LOCATION L0000401 VOLUME 567944.661 4330118.021 44.18
LOCATION L0000402 VOLUME 567944.774 4330108.021 44.22
LOCATION L0000403 VOLUME 567944.886 4330098.022 44.25
LOCATION L0000404 VOLUME 567944.998 4330088.023 44.29
LOCATION L0000405 VOLUME 567945.111 4330078.023 44.31
LOCATION L0000406 VOLUME 567945.223 4330068.024 44.34
LOCATION L0000407 VOLUME 567945.336 4330058.025 44.37
LOCATION L0000408 VOLUME 567948.416 4330050.976 44.39
LOCATION L0000409 VOLUME 567958.414 4330050.807 44.40
LOCATION L0000410 VOLUME 567968.413 4330050.637 44.40
LOCATION L0000411 VOLUME 567978.411 4330050.468 44.40
LOCATION L0000412 VOLUME 567988.410 4330050.298 44.40
LOCATION L0000413 VOLUME 567989.941 4330058.380 44.37
LOCATION L0000414 VOLUME 567989.513 4330068.370 44.34
LOCATION L0000415 VOLUME 567989.085 4330078.361 44.30
LOCATION L0000416 VOLUME 567988.657 4330088.352 44.26

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   LOCATION L0000417     VOLUME   567988.228 4330098.343 44.23
   LOCATION L0000418     VOLUME   567983.178 4330103.387 44.21
   LOCATION L0000419     VOLUME   567973.181 4330103.137 44.22
   LOCATION L0000420     VOLUME   567963.184 4330102.887 44.23
   LOCATION L0000421     VOLUME   567957.771 4330098.353 44.25
   LOCATION L0000422     VOLUME   567958.196 4330088.362 44.28
   LOCATION L0000423     VOLUME   567958.621 4330078.371 44.31
   LOCATION L0000424     VOLUME   567959.046 4330068.380 44.34
   LOCATION L0000425     VOLUME   567967.722 4330066.999 44.35
   LOCATION L0000426     VOLUME   567975.782 4330068.883 44.34
   LOCATION L0000427     VOLUME   567975.488 4330078.879 44.31
   LOCATION L0000428     VOLUME   567975.194 4330088.875 44.27
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Offroad Equipment and Truck Exhaust - Gen-Tie
** PREFIX
** Length of Side = 10.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 10.00
** SZINIT = 4.65
** Nodes = 3
** 567113.987, 4330399.833, 44.65, 5.00, 4.65
** 567113.987, 4330356.634, 44.93, 5.00, 4.65
** 568067.144, 4330354.460, 43.19, 5.00, 4.65
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   LOCATION L0000430     VOLUME   567113.987 4330384.833 44.75
   LOCATION L0000431     VOLUME   567113.987 4330374.833 44.83
   LOCATION L0000432     VOLUME   567113.987 4330364.833 44.91
   LOCATION L0000433     VOLUME   567115.788 4330356.629 44.96
   LOCATION L0000434     VOLUME   567125.788 4330356.607 44.97
   LOCATION L0000435     VOLUME   567135.788 4330356.584 44.97
   LOCATION L0000436     VOLUME   567145.788 4330356.561 44.97
   LOCATION L0000437     VOLUME   567155.788 4330356.538 44.97
   LOCATION L0000438     VOLUME   567165.788 4330356.515 44.97
   LOCATION L0000439     VOLUME   567175.788 4330356.493 44.98
   LOCATION L0000440     VOLUME   567185.788 4330356.470 44.99
   LOCATION L0000441     VOLUME   567195.787 4330356.447 45.00
   LOCATION L0000442     VOLUME   567205.787 4330356.424 45.00
   LOCATION L0000443     VOLUME   567215.787 4330356.401 44.99
   LOCATION L0000444     VOLUME   567225.787 4330356.379 44.98
   LOCATION L0000445     VOLUME   567235.787 4330356.356 44.97
   LOCATION L0000446     VOLUME   567245.787 4330356.333 44.96
   LOCATION L0000447     VOLUME   567255.787 4330356.310 44.95
   LOCATION L0000448     VOLUME   567265.787 4330356.287 44.94
   LOCATION L0000449     VOLUME   567275.787 4330356.265 44.93
   LOCATION L0000450     VOLUME   567285.787 4330356.242 44.91
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LOCATION L0000451 VOLUME 567295.787 4330356.219 44.89
LOCATION L0000452 VOLUME 567305.787 4330356.196 44.91
LOCATION L0000453 VOLUME 567315.787 4330356.173 44.92
LOCATION L0000454 VOLUME 567325.787 4330356.151 44.93
LOCATION L0000455 VOLUME 567335.787 4330356.128 44.94
LOCATION L0000456 VOLUME 567345.787 4330356.105 44.94
LOCATION L0000457 VOLUME 567355.787 4330356.082 44.91
LOCATION L0000458 VOLUME 567365.787 4330356.059 44.88
LOCATION L0000459 VOLUME 567375.787 4330356.037 44.85
LOCATION L0000460 VOLUME 567385.787 4330356.014 44.82
LOCATION L0000461 VOLUME 567395.787 4330355.991 44.80
LOCATION L0000462 VOLUME 567405.787 4330355.968 44.80
LOCATION L0000463 VOLUME 567415.787 4330355.945 44.79
LOCATION L0000464 VOLUME 567425.787 4330355.923 44.77
LOCATION L0000465 VOLUME 567435.787 4330355.900 44.75
LOCATION L0000466 VOLUME 567445.787 4330355.877 44.72
LOCATION L0000467 VOLUME 567455.787 4330355.854 44.67
LOCATION L0000468 VOLUME 567465.787 4330355.831 44.63
LOCATION L0000469 VOLUME 567475.787 4330355.809 44.59
LOCATION L0000470 VOLUME 567485.787 4330355.786 44.56
LOCATION L0000471 VOLUME 567495.787 4330355.763 44.53
LOCATION L0000472 VOLUME 567505.787 4330355.740 44.50
LOCATION L0000473 VOLUME 567515.787 4330355.717 44.47
LOCATION L0000474 VOLUME 567525.787 4330355.695 44.44
LOCATION L0000475 VOLUME 567535.787 4330355.672 44.42
LOCATION L0000476 VOLUME 567545.787 4330355.649 44.38
LOCATION L0000477 VOLUME 567555.787 4330355.626 44.35
LOCATION L0000478 VOLUME 567565.787 4330355.603 44.31
LOCATION L0000479 VOLUME 567575.786 4330355.581 44.26
LOCATION L0000480 VOLUME 567585.786 4330355.558 44.21
LOCATION L0000481 VOLUME 567595.786 4330355.535 44.16
LOCATION L0000482 VOLUME 567605.786 4330355.512 44.11
LOCATION L0000483 VOLUME 567615.786 4330355.489 44.11
LOCATION L0000484 VOLUME 567625.786 4330355.467 44.12
LOCATION L0000485 VOLUME 567635.786 4330355.444 44.13
LOCATION L0000486 VOLUME 567645.786 4330355.421 44.10
LOCATION L0000487 VOLUME 567655.786 4330355.398 44.08
LOCATION L0000488 VOLUME 567665.786 4330355.375 43.97
LOCATION L0000489 VOLUME 567675.786 4330355.353 43.85
LOCATION L0000490 VOLUME 567685.786 4330355.330 43.78
LOCATION L0000491 VOLUME 567695.786 4330355.307 43.74
LOCATION L0000492 VOLUME 567705.786 4330355.284 43.70
LOCATION L0000493 VOLUME 567715.786 4330355.261 43.66
LOCATION L0000494 VOLUME 567725.786 4330355.239 43.63
LOCATION L0000495 VOLUME 567735.786 4330355.216 43.60
LOCATION L0000496 VOLUME 567745.786 4330355.193 43.56
LOCATION L0000497 VOLUME 567755.786 4330355.170 43.53
LOCATION L0000498 VOLUME 567765.786 4330355.147 43.51
LOCATION L0000499 VOLUME 567775.786 4330355.125 43.48
LOCATION L0000500 VOLUME 567785.786 4330355.102 43.50

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   LOCATION L0000501     VOLUME   567795.786 4330355.079 43.51
   LOCATION L0000502     VOLUME   567805.786 4330355.056 43.52
   LOCATION L0000503     VOLUME   567815.786 4330355.033 43.51
   LOCATION L0000504     VOLUME   567825.786 4330355.011 43.51
   LOCATION L0000505     VOLUME   567835.786 4330354.988 43.51
   LOCATION L0000506     VOLUME   567845.786 4330354.965 43.51
   LOCATION L0000507     VOLUME   567855.786 4330354.942 43.50
   LOCATION L0000508     VOLUME   567865.786 4330354.919 43.49
   LOCATION L0000509     VOLUME   567875.786 4330354.897 43.48
   LOCATION L0000510     VOLUME   567885.786 4330354.874 43.48
   LOCATION L0000511     VOLUME   567895.786 4330354.851 43.47
   LOCATION L0000512     VOLUME   567905.786 4330354.828 43.46
   LOCATION L0000513     VOLUME   567915.786 4330354.805 43.45
   LOCATION L0000514     VOLUME   567925.786 4330354.782 43.45
   LOCATION L0000515     VOLUME   567935.786 4330354.760 43.47
   LOCATION L0000516     VOLUME   567945.786 4330354.737 43.49
   LOCATION L0000517     VOLUME   567955.786 4330354.714 43.46
   LOCATION L0000518     VOLUME   567965.785 4330354.691 43.43
   LOCATION L0000519     VOLUME   567975.785 4330354.668 43.40
   LOCATION L0000520     VOLUME   567985.785 4330354.646 43.38
   LOCATION L0000521     VOLUME   567995.785 4330354.623 43.36
   LOCATION L0000522     VOLUME   568005.785 4330354.600 43.34
   LOCATION L0000523     VOLUME   568015.785 4330354.577 43.32
   LOCATION L0000524     VOLUME   568025.785 4330354.554 43.30
   LOCATION L0000525     VOLUME   568035.785 4330354.532 43.29
   LOCATION L0000526     VOLUME   568045.785 4330354.509 43.27
   LOCATION L0000527     VOLUME   568055.785 4330354.486 43.23
   LOCATION L0000528     VOLUME   568065.785 4330354.463 43.19
** End of LINE VOLUME Source ID = SLINE2
   LOCATION STCK1        POINTCAP   567987.450  4330206.530       43.860
** DESCRSRC Diesel Generator Stack 1
   LOCATION STCK2        POINTCAP   567987.284  4330205.700       43.860
** DESCRSRC Diesel Generator Stack 2
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000002     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000003     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000004     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000005     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000006     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000007     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000008     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000009     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000010     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000011     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000012     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000013     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000014     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000015     0.0023364486      5.00      4.65      4.65
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SRCPARAM L0000016     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000017     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000018     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000019     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000020     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000021     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000022     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000023     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000024     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000025     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000026     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000027     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000028     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000029     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000030     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000031     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000032     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000033     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000034     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000035     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000036     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000037     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000038     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000039     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000040     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000041     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000042     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000043     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000044     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000045     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000046     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000047     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000048     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000049     0.0023364486      5.00      4.65      4.65
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SRCPARAM L0000341     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000342     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000343     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000344     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000345     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000346     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000347     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000348     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000349     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000350     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000351     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000352     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000353     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000354     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000355     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000356     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000357     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000358     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000359     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000360     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000361     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000362     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000363     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000364     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000365     0.0023364486      5.00      4.65      4.65
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SRCPARAM L0000366     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000367     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000368     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000369     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000370     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000371     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000372     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000373     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000374     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000375     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000376     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000377     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000378     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000379     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000380     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000381     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000382     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000383     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000384     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000385     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000386     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000387     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000388     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000389     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000390     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000391     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000392     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000393     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000394     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000395     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000396     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000397     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000398     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000399     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000400     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000401     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000402     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000403     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000404     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000405     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000406     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000407     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000408     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000409     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000410     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000411     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000412     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000413     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000414     0.0023364486      5.00      4.65      4.65
SRCPARAM L0000415     0.0023364486      5.00      4.65      4.65
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   SRCPARAM L0000416     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000417     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000418     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000419     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000420     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000421     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000422     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000423     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000424     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000425     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000426     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000427     0.0023364486      5.00      4.65      4.65
   SRCPARAM L0000428     0.0023364486      5.00      4.65      4.65
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000429          0.01      5.00      4.65      4.65
   SRCPARAM L0000430          0.01      5.00      4.65      4.65
   SRCPARAM L0000431          0.01      5.00      4.65      4.65
   SRCPARAM L0000432          0.01      5.00      4.65      4.65
   SRCPARAM L0000433          0.01      5.00      4.65      4.65
   SRCPARAM L0000434          0.01      5.00      4.65      4.65
   SRCPARAM L0000435          0.01      5.00      4.65      4.65
   SRCPARAM L0000436          0.01      5.00      4.65      4.65
   SRCPARAM L0000437          0.01      5.00      4.65      4.65
   SRCPARAM L0000438          0.01      5.00      4.65      4.65
   SRCPARAM L0000439          0.01      5.00      4.65      4.65
   SRCPARAM L0000440          0.01      5.00      4.65      4.65
   SRCPARAM L0000441          0.01      5.00      4.65      4.65
   SRCPARAM L0000442          0.01      5.00      4.65      4.65
   SRCPARAM L0000443          0.01      5.00      4.65      4.65
   SRCPARAM L0000444          0.01      5.00      4.65      4.65
   SRCPARAM L0000445          0.01      5.00      4.65      4.65
   SRCPARAM L0000446          0.01      5.00      4.65      4.65
   SRCPARAM L0000447          0.01      5.00      4.65      4.65
   SRCPARAM L0000448          0.01      5.00      4.65      4.65
   SRCPARAM L0000449          0.01      5.00      4.65      4.65
   SRCPARAM L0000450          0.01      5.00      4.65      4.65
   SRCPARAM L0000451          0.01      5.00      4.65      4.65
   SRCPARAM L0000452          0.01      5.00      4.65      4.65
   SRCPARAM L0000453          0.01      5.00      4.65      4.65
   SRCPARAM L0000454          0.01      5.00      4.65      4.65
   SRCPARAM L0000455          0.01      5.00      4.65      4.65
   SRCPARAM L0000456          0.01      5.00      4.65      4.65
   SRCPARAM L0000457          0.01      5.00      4.65      4.65
   SRCPARAM L0000458          0.01      5.00      4.65      4.65
   SRCPARAM L0000459          0.01      5.00      4.65      4.65
   SRCPARAM L0000460          0.01      5.00      4.65      4.65
   SRCPARAM L0000461          0.01      5.00      4.65      4.65
   SRCPARAM L0000462          0.01      5.00      4.65      4.65
   SRCPARAM L0000463          0.01      5.00      4.65      4.65
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SRCPARAM L0000464          0.01      5.00      4.65      4.65
SRCPARAM L0000465          0.01      5.00      4.65      4.65
SRCPARAM L0000466          0.01      5.00      4.65      4.65
SRCPARAM L0000467          0.01      5.00      4.65      4.65
SRCPARAM L0000468          0.01      5.00      4.65      4.65
SRCPARAM L0000469          0.01      5.00      4.65      4.65
SRCPARAM L0000470          0.01      5.00      4.65      4.65
SRCPARAM L0000471          0.01      5.00      4.65      4.65
SRCPARAM L0000472          0.01      5.00      4.65      4.65
SRCPARAM L0000473          0.01      5.00      4.65      4.65
SRCPARAM L0000474          0.01      5.00      4.65      4.65
SRCPARAM L0000475          0.01      5.00      4.65      4.65
SRCPARAM L0000476          0.01      5.00      4.65      4.65
SRCPARAM L0000477          0.01      5.00      4.65      4.65
SRCPARAM L0000478          0.01      5.00      4.65      4.65
SRCPARAM L0000479          0.01      5.00      4.65      4.65
SRCPARAM L0000480          0.01      5.00      4.65      4.65
SRCPARAM L0000481          0.01      5.00      4.65      4.65
SRCPARAM L0000482          0.01      5.00      4.65      4.65
SRCPARAM L0000483          0.01      5.00      4.65      4.65
SRCPARAM L0000484          0.01      5.00      4.65      4.65
SRCPARAM L0000485          0.01      5.00      4.65      4.65
SRCPARAM L0000486          0.01      5.00      4.65      4.65
SRCPARAM L0000487          0.01      5.00      4.65      4.65
SRCPARAM L0000488          0.01      5.00      4.65      4.65
SRCPARAM L0000489          0.01      5.00      4.65      4.65
SRCPARAM L0000490          0.01      5.00      4.65      4.65
SRCPARAM L0000491          0.01      5.00      4.65      4.65
SRCPARAM L0000492          0.01      5.00      4.65      4.65
SRCPARAM L0000493          0.01      5.00      4.65      4.65
SRCPARAM L0000494          0.01      5.00      4.65      4.65
SRCPARAM L0000495          0.01      5.00      4.65      4.65
SRCPARAM L0000496          0.01      5.00      4.65      4.65
SRCPARAM L0000497          0.01      5.00      4.65      4.65
SRCPARAM L0000498          0.01      5.00      4.65      4.65
SRCPARAM L0000499          0.01      5.00      4.65      4.65
SRCPARAM L0000500          0.01      5.00      4.65      4.65
SRCPARAM L0000501          0.01      5.00      4.65      4.65
SRCPARAM L0000502          0.01      5.00      4.65      4.65
SRCPARAM L0000503          0.01      5.00      4.65      4.65
SRCPARAM L0000504          0.01      5.00      4.65      4.65
SRCPARAM L0000505          0.01      5.00      4.65      4.65
SRCPARAM L0000506          0.01      5.00      4.65      4.65
SRCPARAM L0000507          0.01      5.00      4.65      4.65
SRCPARAM L0000508          0.01      5.00      4.65      4.65
SRCPARAM L0000509          0.01      5.00      4.65      4.65
SRCPARAM L0000510          0.01      5.00      4.65      4.65
SRCPARAM L0000511          0.01      5.00      4.65      4.65
SRCPARAM L0000512          0.01      5.00      4.65      4.65
SRCPARAM L0000513          0.01      5.00      4.65      4.65
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   SRCPARAM L0000514          0.01      5.00      4.65      4.65
   SRCPARAM L0000515          0.01      5.00      4.65      4.65
   SRCPARAM L0000516          0.01      5.00      4.65      4.65
   SRCPARAM L0000517          0.01      5.00      4.65      4.65
   SRCPARAM L0000518          0.01      5.00      4.65      4.65
   SRCPARAM L0000519          0.01      5.00      4.65      4.65
   SRCPARAM L0000520          0.01      5.00      4.65      4.65
   SRCPARAM L0000521          0.01      5.00      4.65      4.65
   SRCPARAM L0000522          0.01      5.00      4.65      4.65
   SRCPARAM L0000523          0.01      5.00      4.65      4.65
   SRCPARAM L0000524          0.01      5.00      4.65      4.65
   SRCPARAM L0000525          0.01      5.00      4.65      4.65
   SRCPARAM L0000526          0.01      5.00      4.65      4.65
   SRCPARAM L0000527          0.01      5.00      4.65      4.65
   SRCPARAM L0000528          0.01      5.00      4.65      4.65
** ------------------------------------------------------------------
   SRCPARAM STCK1              0.5     4.300   752.150 58.5728816531831       0.2
   SRCPARAM STCK2              0.5     4.300   752.150 58.5728816531831       0.2

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
   EMISFACT L0000001     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
   EMISFACT L0000002     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
   EMISFACT L0000003     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
   EMISFACT L0000004     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
   EMISFACT L0000005     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
   EMISFACT L0000006     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
   EMISFACT L0000007     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000008     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000009     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000010     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000011     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000012     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000013     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000014     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000015     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000016     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000017     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000018     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000019     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
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EMISFACT L0000020     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000021     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000022     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
EMISFACT L0000023     HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
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** WeekDays:
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
   EMISFACT STCK1        HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW 3.36 3.36 3.36 3.36 3.36 3.36
   EMISFACT STCK2        HRDOW 3.36 3.36 3.36 3.36 0.0 0.0
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP SLINE1   L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
   SRCGROUP SLINE1   L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
   SRCGROUP SLINE1   L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
   SRCGROUP SLINE1   L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
   SRCGROUP SLINE1   L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
   SRCGROUP SLINE1   L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
   SRCGROUP SLINE1   L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
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SRCGROUP SLINE1   L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
SRCGROUP SLINE1   L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
SRCGROUP SLINE1   L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
SRCGROUP SLINE1   L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
SRCGROUP SLINE1   L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
SRCGROUP SLINE1   L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
SRCGROUP SLINE1   L0000079 L0000080 L0000081 L0000082 L0000083 L0000084
SRCGROUP SLINE1   L0000085 L0000086 L0000087 L0000088 L0000089 L0000090
SRCGROUP SLINE1   L0000091 L0000092 L0000093 L0000094 L0000095 L0000096
SRCGROUP SLINE1   L0000097 L0000098 L0000099 L0000100 L0000101 L0000102
SRCGROUP SLINE1   L0000103 L0000104 L0000105 L0000106 L0000107 L0000108
SRCGROUP SLINE1   L0000109 L0000110 L0000111 L0000112 L0000113 L0000114
SRCGROUP SLINE1   L0000115 L0000116 L0000117 L0000118 L0000119 L0000120
SRCGROUP SLINE1   L0000121 L0000122 L0000123 L0000124 L0000125 L0000126
SRCGROUP SLINE1   L0000127 L0000128 L0000129 L0000130 L0000131 L0000132
SRCGROUP SLINE1   L0000133 L0000134 L0000135 L0000136 L0000137 L0000138
SRCGROUP SLINE1   L0000139 L0000140 L0000141 L0000142 L0000143 L0000144
SRCGROUP SLINE1   L0000145 L0000146 L0000147 L0000148 L0000149 L0000150
SRCGROUP SLINE1   L0000151 L0000152 L0000153 L0000154 L0000155 L0000156
SRCGROUP SLINE1   L0000157 L0000158 L0000159 L0000160 L0000161 L0000162
SRCGROUP SLINE1   L0000163 L0000164 L0000165 L0000166 L0000167 L0000168
SRCGROUP SLINE1   L0000169 L0000170 L0000171 L0000172 L0000173 L0000174
SRCGROUP SLINE1   L0000175 L0000176 L0000177 L0000178 L0000179 L0000180
SRCGROUP SLINE1   L0000181 L0000182 L0000183 L0000184 L0000185 L0000186
SRCGROUP SLINE1   L0000187 L0000188 L0000189 L0000190 L0000191 L0000192
SRCGROUP SLINE1   L0000193 L0000194 L0000195 L0000196 L0000197 L0000198
SRCGROUP SLINE1   L0000199 L0000200 L0000201 L0000202 L0000203 L0000204
SRCGROUP SLINE1   L0000205 L0000206 L0000207 L0000208 L0000209 L0000210
SRCGROUP SLINE1   L0000211 L0000212 L0000213 L0000214 L0000215 L0000216
SRCGROUP SLINE1   L0000217 L0000218 L0000219 L0000220 L0000221 L0000222
SRCGROUP SLINE1   L0000223 L0000224 L0000225 L0000226 L0000227 L0000228
SRCGROUP SLINE1   L0000229 L0000230 L0000231 L0000232 L0000233 L0000234
SRCGROUP SLINE1   L0000235 L0000236 L0000237 L0000238 L0000239 L0000240
SRCGROUP SLINE1   L0000241 L0000242 L0000243 L0000244 L0000245 L0000246
SRCGROUP SLINE1   L0000247 L0000248 L0000249 L0000250 L0000251 L0000252
SRCGROUP SLINE1   L0000253 L0000254 L0000255 L0000256 L0000257 L0000258
SRCGROUP SLINE1   L0000259 L0000260 L0000261 L0000262 L0000263 L0000264
SRCGROUP SLINE1   L0000265 L0000266 L0000267 L0000268 L0000269 L0000270
SRCGROUP SLINE1   L0000271 L0000272 L0000273 L0000274 L0000275 L0000276
SRCGROUP SLINE1   L0000277 L0000278 L0000279 L0000280 L0000281 L0000282
SRCGROUP SLINE1   L0000283 L0000284 L0000285 L0000286 L0000287 L0000288
SRCGROUP SLINE1   L0000289 L0000290 L0000291 L0000292 L0000293 L0000294
SRCGROUP SLINE1   L0000295 L0000296 L0000297 L0000298 L0000299 L0000300
SRCGROUP SLINE1   L0000301 L0000302 L0000303 L0000304 L0000305 L0000306
SRCGROUP SLINE1   L0000307 L0000308 L0000309 L0000310 L0000311 L0000312
SRCGROUP SLINE1   L0000313 L0000314 L0000315 L0000316 L0000317 L0000318
SRCGROUP SLINE1   L0000319 L0000320 L0000321 L0000322 L0000323 L0000324
SRCGROUP SLINE1   L0000325 L0000326 L0000327 L0000328 L0000329 L0000330
SRCGROUP SLINE1   L0000331 L0000332 L0000333 L0000334 L0000335 L0000336
SRCGROUP SLINE1   L0000337 L0000338 L0000339 L0000340 L0000341 L0000342
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   SRCGROUP SLINE1   L0000343 L0000344 L0000345 L0000346 L0000347 L0000348
   SRCGROUP SLINE1   L0000349 L0000350 L0000351 L0000352 L0000353 L0000354
   SRCGROUP SLINE1   L0000355 L0000356 L0000357 L0000358 L0000359 L0000360
   SRCGROUP SLINE1   L0000361 L0000362 L0000363 L0000364 L0000365 L0000366
   SRCGROUP SLINE1   L0000367 L0000368 L0000369 L0000370 L0000371 L0000372
   SRCGROUP SLINE1   L0000373 L0000374 L0000375 L0000376 L0000377 L0000378
   SRCGROUP SLINE1   L0000379 L0000380 L0000381 L0000382 L0000383 L0000384
   SRCGROUP SLINE1   L0000385 L0000386 L0000387 L0000388 L0000389 L0000390
   SRCGROUP SLINE1   L0000391 L0000392 L0000393 L0000394 L0000395 L0000396
   SRCGROUP SLINE1   L0000397 L0000398 L0000399 L0000400 L0000401 L0000402
   SRCGROUP SLINE1   L0000403 L0000404 L0000405 L0000406 L0000407 L0000408
   SRCGROUP SLINE1   L0000409 L0000410 L0000411 L0000412 L0000413 L0000414
   SRCGROUP SLINE1   L0000415 L0000416 L0000417 L0000418 L0000419 L0000420
   SRCGROUP SLINE1   L0000421 L0000422 L0000423 L0000424 L0000425 L0000426
   SRCGROUP SLINE1   L0000427 L0000428
   SRCGROUP SLINE2   L0000429 L0000430 L0000431 L0000432 L0000433 L0000434
   SRCGROUP SLINE2   L0000435 L0000436 L0000437 L0000438 L0000439 L0000440
   SRCGROUP SLINE2   L0000441 L0000442 L0000443 L0000444 L0000445 L0000446
   SRCGROUP SLINE2   L0000447 L0000448 L0000449 L0000450 L0000451 L0000452
   SRCGROUP SLINE2   L0000453 L0000454 L0000455 L0000456 L0000457 L0000458
   SRCGROUP SLINE2   L0000459 L0000460 L0000461 L0000462 L0000463 L0000464
   SRCGROUP SLINE2   L0000465 L0000466 L0000467 L0000468 L0000469 L0000470
   SRCGROUP SLINE2   L0000471 L0000472 L0000473 L0000474 L0000475 L0000476
   SRCGROUP SLINE2   L0000477 L0000478 L0000479 L0000480 L0000481 L0000482
   SRCGROUP SLINE2   L0000483 L0000484 L0000485 L0000486 L0000487 L0000488
   SRCGROUP SLINE2   L0000489 L0000490 L0000491 L0000492 L0000493 L0000494
   SRCGROUP SLINE2   L0000495 L0000496 L0000497 L0000498 L0000499 L0000500
   SRCGROUP SLINE2   L0000501 L0000502 L0000503 L0000504 L0000505 L0000506
   SRCGROUP SLINE2   L0000507 L0000508 L0000509 L0000510 L0000511 L0000512
   SRCGROUP SLINE2   L0000513 L0000514 L0000515 L0000516 L0000517 L0000518
   SRCGROUP SLINE2   L0000519 L0000520 L0000521 L0000522 L0000523 L0000524
   SRCGROUP SLINE2   L0000525 L0000526 L0000527 L0000528
   SRCGROUP GEN      STCK1 STCK2
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Saloon BESS.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
```

```
ME STARTING
   SURFFILE "Met Data\Yuba Airport Met
Data\KMYV_724838_93205\KMYV_2015_2016_2018-2020_ADJU.SFC"
   PROFFILE "Met Data\Yuba Airport Met
Data\KMYV_724838_93205\KMYV_2015_2016_2018-2020_ADJU.PFL"
   SURFDATA 93205 2015
   UAIRDATA 23230 2015 OAKLAND/WSO_AP
   PROFBASE 18.9 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Saloon BESS.AD\01H1GALL.PLT" 31
   PLOTFILE 1 SLINE1 1ST "Saloon BESS.AD\01H1G001.PLT" 32
   PLOTFILE 1 SLINE2 1ST "Saloon BESS.AD\01H1G002.PLT" 33
   PLOTFILE 1 GEN 1ST "Saloon BESS.AD\01H1G003.PLT" 34
   PLOTFILE PERIOD ALL "Saloon BESS.AD\PE00GALL.PLT" 35
   PLOTFILE PERIOD SLINE1 "Saloon BESS.AD\PE00G001.PLT" 36
   PLOTFILE PERIOD SLINE2 "Saloon BESS.AD\PE00G002.PLT" 37
   PLOTFILE PERIOD GEN "Saloon BESS.AD\PE00G003.PLT" 38
   SUMMFILE "Saloon BESS.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320    1166        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320    1167        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 ME W186    7656       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
```

```
    0.50
 ME W187    7656       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses RURAL Dispersion Only.
      * Option for Capped & Horiz Stacks Selected With:
          2 Capped Stack(s); and         0 Horizontal Stack(s)
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_2.5

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    530 Source(s);       4 Source Group(s); and      15
Receptor(s)

                with:      2 POINT(s), including
                           2 POINTCAP(s) and      0 POINTHOR(s)
```

```
                and:    528 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  19191

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    18.90 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.0 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Saloon BESS.err

 **File for Summary of Results:   Saloon BESS.sum

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE   2
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
STCK1	0	0.50000E+00	567987.5	4330206.5	43.9	4.30	752.15	58.57	0.20	NO	NO	CAP	HRDOW
STCK2	0	0.50000E+00	567987.3	4330205.7	43.9	4.30	752.15	58.57	0.20	NO	NO	CAP	HRDOW

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000001	0	0.23364E-02	567979.7	4330338.1	43.4	5.00	4.65	4.65	NO	HRDOW	NO
L0000002	0	0.23364E-02	567979.7	4330328.1	43.4	5.00	4.65	4.65	NO	HRDOW	NO
L0000003	0	0.23364E-02	567979.8	4330318.1	43.5	5.00	4.65	4.65	NO	HRDOW	NO
L0000004	0	0.23364E-02	567979.8	4330308.1	43.5	5.00	4.65	4.65	NO	HRDOW	NO
L0000005	0	0.23364E-02	567979.9	4330298.1	43.6	5.00	4.65	4.65	NO	HRDOW	NO
L0000006	0	0.23364E-02	567979.9	4330288.1	43.6	5.00	4.65	4.65	NO	HRDOW	NO

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 L0000007         0   0.23364E-02  567980.0 4330278.1    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000008         0   0.23364E-02  567980.0 4330268.1    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000009         0   0.23364E-02  567980.0 4330258.1    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000010         0   0.23364E-02  567980.1 4330248.1    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000011         0   0.23364E-02  567980.1 4330238.1    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000012         0   0.23364E-02  567980.2 4330228.1    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000013         0   0.23364E-02  567980.2 4330218.1    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000014         0   0.23364E-02  567980.3 4330208.1    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000015         0   0.23364E-02  567980.3 4330198.1    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000016         0   0.23364E-02  567980.4 4330188.1    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000017         0   0.23364E-02  567975.1 4330183.3    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000018         0   0.23364E-02  567965.1 4330183.1    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000019         0   0.23364E-02  567955.1 4330183.0    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000020         0   0.23364E-02  567945.1 4330182.9    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000021         0   0.23364E-02  567935.1 4330182.7    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000022         0   0.23364E-02  567925.1 4330182.6    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000023         0   0.23364E-02  567915.1 4330182.4    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000024         0   0.23364E-02  567905.1 4330182.3    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000025         0   0.23364E-02  567895.1 4330182.1    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000026         0   0.23364E-02  567885.1 4330182.0    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000027         0   0.23364E-02  567876.2 4330180.8    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000028         0   0.23364E-02  567876.2 4330170.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000029         0   0.23364E-02  567876.2 4330160.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000030         0   0.23364E-02  567876.2 4330150.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000031         0   0.23364E-02  567876.2 4330140.8    44.2     5.00     4.65
4.65     NO    HRDOW            NO
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000032	0	0.23364E-02	567876.2	4330130.8	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000033	0	0.23364E-02	567876.2	4330120.8	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000034	0	0.23364E-02	567876.2	4330110.8	44.3	5.00	4.65	4.65	NO	HRDOW	NO
L0000035	0	0.23364E-02	567876.2	4330100.8	44.3	5.00	4.65	4.65	NO	HRDOW	NO
L0000036	0	0.23364E-02	567876.2	4330090.8	44.3	5.00	4.65	4.65	NO	HRDOW	NO
L0000037	0	0.23364E-02	567876.2	4330080.8	44.4	5.00	4.65	4.65	NO	HRDOW	NO
L0000038	0	0.23364E-02	567876.2	4330070.8	44.4	5.00	4.65	4.65	NO	HRDOW	NO
L0000039	0	0.23364E-02	567876.2	4330060.8	44.4	5.00	4.65	4.65	NO	HRDOW	NO
L0000040	0	0.23364E-02	567876.2	4330050.8	44.5	5.00	4.65	4.65	NO	HRDOW	NO
L0000041	0	0.23364E-02	567876.2	4330040.8	44.5	5.00	4.65	4.65	NO	HRDOW	NO
L0000042	0	0.23364E-02	567876.2	4330030.8	44.5	5.00	4.65	4.65	NO	HRDOW	NO
L0000043	0	0.23364E-02	567876.2	4330020.8	44.5	5.00	4.65	4.65	NO	HRDOW	NO
L0000044	0	0.23364E-02	567876.2	4330010.8	44.6	5.00	4.65	4.65	NO	HRDOW	NO
L0000045	0	0.23364E-02	567876.2	4330000.8	44.6	5.00	4.65	4.65	NO	HRDOW	NO
L0000046	0	0.23364E-02	567876.2	4329990.8	44.6	5.00	4.65	4.65	NO	HRDOW	NO

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 L0000047         0   0.23364E-02  567876.2 4329980.8    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000048         0   0.23364E-02  567876.2 4329970.8    44.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000049         0   0.23364E-02  567885.8 4329970.4    44.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000050         0   0.23364E-02  567895.8 4329970.3    44.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000051         0   0.23364E-02  567905.8 4329970.3    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000052         0   0.23364E-02  567915.8 4329970.2    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000053         0   0.23364E-02  567925.8 4329970.2    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000054         0   0.23364E-02  567935.8 4329970.2    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000055         0   0.23364E-02  567945.8 4329970.1    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000056         0   0.23364E-02  567955.8 4329970.1    44.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000057         0   0.23364E-02  567965.8 4329970.0    44.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000058         0   0.23364E-02  567975.8 4329970.0    44.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000059         0   0.23364E-02  567985.8 4329969.9    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000060         0   0.23364E-02  567995.8 4329969.9    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000061         0   0.23364E-02  568005.8 4329969.9    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000062         0   0.23364E-02  568015.8 4329969.8    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000063         0   0.23364E-02  568025.8 4329969.8    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000064         0   0.23364E-02  568035.8 4329969.7    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000065         0   0.23364E-02  568045.8 4329969.7    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000066         0   0.23364E-02  568055.8 4329969.7    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000067         0   0.23364E-02  568058.1 4329977.5    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000068         0   0.23364E-02  568058.2 4329987.5    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000069         0   0.23364E-02  568058.3 4329997.5    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000070         0   0.23364E-02  568058.4 4330007.5    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000071         0   0.23364E-02  568058.6 4330017.5    44.3     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000072         0   0.23364E-02  568058.7 4330027.5    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000073         0   0.23364E-02  568058.8 4330037.5    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000074         0   0.23364E-02  568058.9 4330047.5    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000075         0   0.23364E-02  568059.1 4330057.5    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000076         0   0.23364E-02  568059.2 4330067.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000077         0   0.23364E-02  568059.3 4330077.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000078         0   0.23364E-02  568059.4 4330087.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000079         0   0.23364E-02  568059.6 4330097.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000080         0   0.23364E-02  568059.7 4330107.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000081         0   0.23364E-02  568059.8 4330117.5    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000082         0   0.23364E-02  568059.9 4330127.5    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000083         0   0.23364E-02  568060.0 4330137.5    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000084         0   0.23364E-02  568060.2 4330147.5    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000085         0   0.23364E-02  568060.3 4330157.5    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000086         0   0.23364E-02  568060.4 4330167.5    43.7     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000087         0   0.23364E-02  568060.5 4330177.5    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000088         0   0.23364E-02  568060.7 4330187.5    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000089         0   0.23364E-02  568060.8 4330197.5    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000090         0   0.23364E-02  568060.9 4330207.5    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000091         0   0.23364E-02  568061.0 4330217.5    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000092         0   0.23364E-02  568061.2 4330227.5    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000093         0   0.23364E-02  568061.3 4330237.5    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000094         0   0.23364E-02  568061.4 4330247.5    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000095         0   0.23364E-02  568061.5 4330257.5    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000096         0   0.23364E-02  568061.6 4330267.5    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000097         0   0.23364E-02  568061.8 4330277.5    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000098         0   0.23364E-02  568061.9 4330287.5    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000099         0   0.23364E-02  568062.0 4330297.5    43.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000100         0   0.23364E-02  568062.1 4330307.5    43.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000101         0   0.23364E-02  568062.3 4330317.5    43.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000102         0   0.23364E-02  568062.4 4330327.5    43.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000103         0   0.23364E-02  568062.5 4330337.5    43.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000104         0   0.23364E-02  568055.9 4330340.7    43.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000105         0   0.23364E-02  568045.9 4330340.6    43.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000106         0   0.23364E-02  568035.9 4330340.5    43.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000107         0   0.23364E-02  568025.9 4330340.4    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000108         0   0.23364E-02  568015.9 4330340.3    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000109         0   0.23364E-02  568005.9 4330340.2    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000110         0   0.23364E-02  567995.9 4330340.1    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000111         0   0.23364E-02  567989.6 4330336.4    43.4     5.00     4.65
4.65     NO    HRDOW            NO
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000121	0	0.23364E-02	567990.5	4330236.4	43.8	5.00	4.65	4.65	NO	HRDOW	NO
L0000122	0	0.23364E-02	567990.6	4330226.4	43.8	5.00	4.65	4.65	NO	HRDOW	NO
L0000123	0	0.23364E-02	567990.6	4330216.4	43.8	5.00	4.65	4.65	NO	HRDOW	NO
L0000124	0	0.23364E-02	567990.7	4330206.4	43.8	5.00	4.65	4.65	NO	HRDOW	NO
L0000125	0	0.23364E-02	567990.8	4330196.4	43.9	5.00	4.65	4.65	NO	HRDOW	NO
L0000126	0	0.23364E-02	567990.9	4330186.4	43.9	5.00	4.65	4.65	NO	HRDOW	NO

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 L0000127         0   0.23364E-02  567991.0 4330176.4    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000128         0   0.23364E-02  567986.3 4330171.1    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000129         0   0.23364E-02  567976.3 4330171.0    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000130         0   0.23364E-02  567966.3 4330170.8    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000131         0   0.23364E-02  567956.3 4330170.7    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000132         0   0.23364E-02  567946.3 4330170.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000133         0   0.23364E-02  567936.3 4330170.4    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000134         0   0.23364E-02  567926.3 4330170.2    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000135         0   0.23364E-02  567916.3 4330170.1    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000136         0   0.23364E-02  567906.3 4330169.9    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000137         0   0.23364E-02  567896.3 4330169.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000138         0   0.23364E-02  567889.1 4330166.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000139         0   0.23364E-02  567889.1 4330156.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000140         0   0.23364E-02  567889.1 4330146.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000141         0   0.23364E-02  567889.1 4330136.8    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000142         0   0.23364E-02  567889.1 4330126.8    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000143         0   0.23364E-02  567889.1 4330116.8    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000144         0   0.23364E-02  567889.1 4330106.8    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000145         0   0.23364E-02  567889.1 4330096.8    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000146         0   0.23364E-02  567889.1 4330086.8    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000147         0   0.23364E-02  567889.1 4330076.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000148         0   0.23364E-02  567889.1 4330066.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000149         0   0.23364E-02  567889.1 4330056.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000150         0   0.23364E-02  567889.1 4330046.8    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000151         0   0.23364E-02  567889.1 4330036.8    44.5     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000152         0   0.23364E-02  567889.1 4330026.8    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000153         0   0.23364E-02  567889.1 4330016.8    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000154         0   0.23364E-02  567889.1 4330006.8    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000155         0   0.23364E-02  567889.1 4329996.8    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000156         0   0.23364E-02  567889.1 4329986.8    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000157         0   0.23364E-02  567897.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000158         0   0.23364E-02  567907.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000159         0   0.23364E-02  567917.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000160         0   0.23364E-02  567927.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000161         0   0.23364E-02  567937.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000162         0   0.23364E-02  567947.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000163         0   0.23364E-02  567957.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000164         0   0.23364E-02  567967.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000165         0   0.23364E-02  567977.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000166         0   0.23364E-02  567987.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000167         0   0.23364E-02  567997.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000168         0   0.23364E-02  568007.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000169         0   0.23364E-02  568017.9 4329985.6    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000170         0   0.23364E-02  568027.9 4329985.6    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000171         0   0.23364E-02  568037.9 4329985.6    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000172         0   0.23364E-02  568045.8 4329987.7    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000173         0   0.23364E-02  568045.9 4329997.7    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000174         0   0.23364E-02  568046.0 4330007.7    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000175         0   0.23364E-02  568046.1 4330017.7    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000176         0   0.23364E-02  568046.2 4330027.7    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000177         0   0.23364E-02  568046.3 4330037.7    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000178         0   0.23364E-02  568046.4 4330047.7    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000179         0   0.23364E-02  568046.5 4330057.7    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000180         0   0.23364E-02  568046.5 4330067.7    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000181         0   0.23364E-02  568046.6 4330077.7    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000182         0   0.23364E-02  568046.7 4330087.7    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000183         0   0.23364E-02  568046.8 4330097.7    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000184         0   0.23364E-02  568046.9 4330107.7    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000185         0   0.23364E-02  568047.0 4330117.7    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000186         0   0.23364E-02  568047.1 4330127.7    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000187         0   0.23364E-02  568047.2 4330137.7    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000188         0   0.23364E-02  568047.3 4330147.7    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000189         0   0.23364E-02  568047.3 4330157.7    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000190         0   0.23364E-02  568047.4 4330167.7    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000191         0   0.23364E-02  568047.5 4330177.7    43.8     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000192         0   0.23364E-02  568047.6 4330187.7    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000193         0   0.23364E-02  568047.7 4330197.7    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000194         0   0.23364E-02  568047.8 4330207.7    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000195         0   0.23364E-02  568047.9 4330217.7    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000196         0   0.23364E-02  568048.0 4330227.7    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000197         0   0.23364E-02  568048.1 4330237.7    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000198         0   0.23364E-02  568048.1 4330247.7    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000199         0   0.23364E-02  568048.2 4330257.7    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000200         0   0.23364E-02  568048.3 4330267.7    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000201         0   0.23364E-02  568048.4 4330277.7    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000202         0   0.23364E-02  568048.5 4330287.7    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000203         0   0.23364E-02  568048.6 4330297.7    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000204         0   0.23364E-02  568048.7 4330307.7    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000205         0   0.23364E-02  568048.8 4330317.7    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000206         0   0.23364E-02  568048.9 4330327.7    43.2     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000207         0   0.23364E-02  568039.0 4330328.0    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000208         0   0.23364E-02  568029.0 4330328.2    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000209         0   0.23364E-02  568019.0 4330328.4    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000210         0   0.23364E-02  568009.0 4330328.5    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000211         0   0.23364E-02  568001.0 4330326.8    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000212         0   0.23364E-02  568001.0 4330316.8    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000213         0   0.23364E-02  568001.1 4330306.8    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000214         0   0.23364E-02  568001.2 4330296.8    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000215         0   0.23364E-02  568001.3 4330286.8    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000216         0   0.23364E-02  568001.4 4330276.8    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000217         0   0.23364E-02  568001.5 4330266.8    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000218         0   0.23364E-02  568001.6 4330256.8    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000219         0   0.23364E-02  568001.7 4330246.8    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000220         0   0.23364E-02  568001.8 4330236.8    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000221         0   0.23364E-02  568001.8 4330226.8    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000222         0   0.23364E-02  568001.9 4330216.8    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000223         0   0.23364E-02  568002.0 4330206.8    43.8     5.00     4.65
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 L0000225         0   0.23364E-02  568002.2 4330186.8    43.9     5.00     4.65
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 L0000226         0   0.23364E-02  568002.3 4330176.8    43.9     5.00     4.65
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 L0000227         0   0.23364E-02  568002.4 4330166.8    44.0     5.00     4.65
4.65     NO    HRDOW            NO
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4.65     NO    HRDOW            NO
 L0000229         0   0.23364E-02  567991.7 4330157.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000230         0   0.23364E-02  567981.7 4330157.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000231         0   0.23364E-02  567971.7 4330157.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000232         0   0.23364E-02  567961.7 4330157.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000233         0   0.23364E-02  567951.7 4330157.5    44.0     5.00     4.65
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 L0000234         0   0.23364E-02  567941.7 4330157.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000235         0   0.23364E-02  567931.7 4330157.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000236         0   0.23364E-02  567921.7 4330157.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000237         0   0.23364E-02  567911.7 4330157.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000238         0   0.23364E-02  567902.1 4330157.2    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000239         0   0.23364E-02  567902.1 4330147.2    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000240         0   0.23364E-02  567902.2 4330137.2    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000241         0   0.23364E-02  567902.2 4330127.2    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000242         0   0.23364E-02  567902.3 4330117.2    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000243         0   0.23364E-02  567902.3 4330107.2    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000244         0   0.23364E-02  567902.4 4330097.2    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000245         0   0.23364E-02  567902.4 4330087.2    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000246         0   0.23364E-02  567902.5 4330077.2    44.4     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000247         0   0.23364E-02  567902.5 4330067.2    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000248         0   0.23364E-02  567902.6 4330057.2    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000249         0   0.23364E-02  567902.6 4330047.2    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000250         0   0.23364E-02  567902.7 4330037.2    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000251         0   0.23364E-02  567902.7 4330027.2    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000252         0   0.23364E-02  567902.7 4330017.2    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000253         0   0.23364E-02  567902.8 4330007.2    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000254         0   0.23364E-02  567908.0 4330002.3    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000255         0   0.23364E-02  567918.0 4330002.2    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000256         0   0.23364E-02  567928.0 4330002.1    44.6     5.00     4.65
4.65     NO    HRDOW            NO
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4.65     NO    HRDOW            NO
 L0000258         0   0.23364E-02  567948.0 4330001.8    44.5     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000261         0   0.23364E-02  567978.0 4330001.5    44.5     5.00     4.65
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4.65     NO    HRDOW            NO
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4.65     NO    HRDOW            NO
 L0000264         0   0.23364E-02  568008.0 4330001.1    44.5     5.00     4.65
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 L0000265         0   0.23364E-02  568018.0 4330001.0    44.5     5.00     4.65
4.65     NO    HRDOW            NO
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4.65     NO    HRDOW            NO
 L0000267         0   0.23364E-02  568031.4 4330007.5    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000268         0   0.23364E-02  568031.4 4330017.5    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000269         0   0.23364E-02  568031.4 4330027.5    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000270         0   0.23364E-02  568031.5 4330037.5    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000271         0   0.23364E-02  568031.5 4330047.5    44.3     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000272         0   0.23364E-02  568031.5 4330057.5    44.3     5.00     4.65
4.65     NO    HRDOW            NO
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4.65     NO    HRDOW            NO
 L0000274         0   0.23364E-02  568031.6 4330077.5    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000275         0   0.23364E-02  568031.6 4330087.5    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000276         0   0.23364E-02  568031.6 4330097.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000277         0   0.23364E-02  568031.6 4330107.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000278         0   0.23364E-02  568031.7 4330117.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000279         0   0.23364E-02  568031.7 4330127.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000280         0   0.23364E-02  568031.7 4330137.5    44.0     5.00     4.65
4.65     NO    HRDOW            NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000281         0   0.23364E-02  568031.8 4330147.5    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000282         0   0.23364E-02  568031.8 4330157.5    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000283         0   0.23364E-02  568031.8 4330167.5    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000284         0   0.23364E-02  568031.8 4330177.5    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000285         0   0.23364E-02  568031.9 4330187.5    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000286         0   0.23364E-02  568031.9 4330197.5    43.8     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000287         0   0.23364E-02  568031.9 4330207.5    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000288         0   0.23364E-02  568031.9 4330217.5    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000289         0   0.23364E-02  568032.0 4330227.5    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000290         0   0.23364E-02  568032.0 4330237.5    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000291         0   0.23364E-02  568032.0 4330247.5    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000292         0   0.23364E-02  568032.0 4330257.5    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000293         0   0.23364E-02  568032.1 4330267.5    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000294         0   0.23364E-02  568032.1 4330277.5    43.5     5.00     4.65
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 L0000295         0   0.23364E-02  568032.1 4330287.5    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000296         0   0.23364E-02  568032.2 4330297.5    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000297         0   0.23364E-02  568032.2 4330307.5    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000298         0   0.23364E-02  568030.4 4330315.7    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000299         0   0.23364E-02  568020.4 4330315.7    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000300         0   0.23364E-02  568014.6 4330311.6    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000301         0   0.23364E-02  568014.7 4330301.6    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000302         0   0.23364E-02  568014.8 4330291.6    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000303         0   0.23364E-02  568014.9 4330281.6    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000304         0   0.23364E-02  568015.0 4330271.6    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000305         0   0.23364E-02  568015.1 4330261.6    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000306         0   0.23364E-02  568015.2 4330251.6    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000307         0   0.23364E-02  568015.4 4330241.6    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000308         0   0.23364E-02  568015.5 4330231.6    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000309         0   0.23364E-02  568015.6 4330221.6    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000310         0   0.23364E-02  568015.7 4330211.6    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000311         0   0.23364E-02  568015.8 4330201.6    43.8     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000312         0   0.23364E-02  568015.9 4330191.6    43.9     5.00     4.65
4.65     NO    HRDOW            NO
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4.65     NO    HRDOW            NO
 L0000314         0   0.23364E-02  568016.1 4330171.6    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000315         0   0.23364E-02  568016.2 4330161.6    43.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000316         0   0.23364E-02  568016.3 4330151.6    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000317         0   0.23364E-02  568013.2 4330144.9    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000318         0   0.23364E-02  568003.2 4330145.1    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000319         0   0.23364E-02  567993.2 4330145.3    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000320         0   0.23364E-02  567983.2 4330145.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000321         0   0.23364E-02  567973.2 4330145.7    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000322         0   0.23364E-02  567963.2 4330145.9    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000323         0   0.23364E-02  567953.2 4330146.1    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000324         0   0.23364E-02  567943.3 4330146.3    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000325         0   0.23364E-02  567933.3 4330146.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000326         0   0.23364E-02  567923.3 4330146.7    44.1     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000327         0   0.23364E-02  567913.5 4330146.6    44.1     5.00     4.65
4.65     NO    HRDOW            NO
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4.65     NO    HRDOW            NO
 L0000329         0   0.23364E-02  567914.1 4330126.7    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000330         0   0.23364E-02  567914.4 4330116.7    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000331         0   0.23364E-02  567914.7 4330106.7    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000332         0   0.23364E-02  567915.0 4330096.7    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000333         0   0.23364E-02  567915.2 4330086.7    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000334         0   0.23364E-02  567915.5 4330076.7    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000335         0   0.23364E-02  567915.8 4330066.7    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000336         0   0.23364E-02  567916.1 4330056.7    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000337         0   0.23364E-02  567916.4 4330046.7    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000338         0   0.23364E-02  567916.7 4330036.7    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000339         0   0.23364E-02  567917.0 4330026.7    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000340         0   0.23364E-02  567918.9 4330018.3    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000341         0   0.23364E-02  567928.9 4330018.1    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000342         0   0.23364E-02  567938.9 4330017.8    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000343         0   0.23364E-02  567948.9 4330017.6    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000344         0   0.23364E-02  567958.9 4330017.4    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000345         0   0.23364E-02  567968.9 4330017.1    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000346         0   0.23364E-02  567978.9 4330016.9    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000347         0   0.23364E-02  567988.9 4330016.7    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000348         0   0.23364E-02  567998.9 4330016.4    44.5     5.00     4.65
4.65     NO    HRDOW            NO
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4.65     NO    HRDOW            NO
 L0000350         0   0.23364E-02  568016.2 4330018.8    44.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000351         0   0.23364E-02  568016.2 4330028.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
```

```
 L0000352         0   0.23364E-02  568016.3 4330038.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000353         0   0.23364E-02  568016.4 4330048.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000354         0   0.23364E-02  568016.4 4330058.8    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000355         0   0.23364E-02  568016.5 4330068.8    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000356         0   0.23364E-02  568016.6 4330078.8    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000357         0   0.23364E-02  568016.6 4330088.8    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000358         0   0.23364E-02  568016.7 4330098.8    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000359         0   0.23364E-02  568016.8 4330108.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000360         0   0.23364E-02  568016.8 4330118.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000361         0   0.23364E-02  568016.9 4330128.8    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000362         0   0.23364E-02  568009.0 4330131.0    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000363         0   0.23364E-02  567999.1 4330131.2    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000364         0   0.23364E-02  567989.1 4330131.4    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000365         0   0.23364E-02  567979.1 4330131.5    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000366         0   0.23364E-02  567969.1 4330131.7    44.1     5.00     4.65
4.65     NO    HRDOW            NO
```

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 L0000367         0   0.23364E-02  567959.1 4330131.9    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000368         0   0.23364E-02  567949.1 4330132.1    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000369         0   0.23364E-02  567939.1 4330132.2    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000370         0   0.23364E-02  567929.1 4330132.4    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000371         0   0.23364E-02  567929.0 4330122.8    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000372         0   0.23364E-02  567929.3 4330112.8    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000373         0   0.23364E-02  567929.6 4330102.8    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000374         0   0.23364E-02  567929.9 4330092.8    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000375         0   0.23364E-02  567930.2 4330082.8    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000376         0   0.23364E-02  567930.5 4330072.8    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000377         0   0.23364E-02  567930.9 4330062.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000378         0   0.23364E-02  567931.2 4330052.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000379         0   0.23364E-02  567931.5 4330042.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000380         0   0.23364E-02  567933.9 4330035.0    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000381         0   0.23364E-02  567943.9 4330034.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000382         0   0.23364E-02  567953.9 4330034.6    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000383         0   0.23364E-02  567963.9 4330034.4    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000384         0   0.23364E-02  567973.9 4330034.2    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000385         0   0.23364E-02  567983.9 4330033.9    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000386         0   0.23364E-02  567993.9 4330033.7    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000387         0   0.23364E-02  568003.2 4330034.2    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000388         0   0.23364E-02  568003.0 4330044.2    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000389         0   0.23364E-02  568002.8 4330054.2    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000390         0   0.23364E-02  568002.7 4330064.2    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000391         0   0.23364E-02  568002.5 4330074.2    44.3     5.00     4.65
4.65     NO    HRDOW            NO
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000392	0	0.23364E-02	568002.3	4330084.2	44.3	5.00	4.65	4.65	NO	HRDOW	NO
L0000393	0	0.23364E-02	568002.1	4330094.2	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000394	0	0.23364E-02	568001.9	4330104.2	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000395	0	0.23364E-02	568001.7	4330114.2	44.1	5.00	4.65	4.65	NO	HRDOW	NO
L0000396	0	0.23364E-02	567993.9	4330116.7	44.1	5.00	4.65	4.65	NO	HRDOW	NO
L0000397	0	0.23364E-02	567983.9	4330117.1	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000398	0	0.23364E-02	567973.9	4330117.5	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000399	0	0.23364E-02	567963.9	4330117.9	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000400	0	0.23364E-02	567953.9	4330118.3	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000401	0	0.23364E-02	567944.7	4330118.0	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000402	0	0.23364E-02	567944.8	4330108.0	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000403	0	0.23364E-02	567944.9	4330098.0	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000404	0	0.23364E-02	567945.0	4330088.0	44.3	5.00	4.65	4.65	NO	HRDOW	NO
L0000405	0	0.23364E-02	567945.1	4330078.0	44.3	5.00	4.65	4.65	NO	HRDOW	NO
L0000406	0	0.23364E-02	567945.2	4330068.0	44.3	5.00	4.65	4.65	NO	HRDOW	NO

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 L0000407         0   0.23364E-02  567945.3 4330058.0    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000408         0   0.23364E-02  567948.4 4330051.0    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000409         0   0.23364E-02  567958.4 4330050.8    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000410         0   0.23364E-02  567968.4 4330050.6    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000411         0   0.23364E-02  567978.4 4330050.5    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000412         0   0.23364E-02  567988.4 4330050.3    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000413         0   0.23364E-02  567989.9 4330058.4    44.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000414         0   0.23364E-02  567989.5 4330068.4    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000415         0   0.23364E-02  567989.1 4330078.4    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000416         0   0.23364E-02  567988.7 4330088.4    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000417         0   0.23364E-02  567988.2 4330098.3    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000418         0   0.23364E-02  567983.2 4330103.4    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000419         0   0.23364E-02  567973.2 4330103.1    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000420         0   0.23364E-02  567963.2 4330102.9    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000421         0   0.23364E-02  567957.8 4330098.4    44.2     5.00     4.65
4.65     NO    HRDOW            NO
 L0000422         0   0.23364E-02  567958.2 4330088.4    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000423         0   0.23364E-02  567958.6 4330078.4    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000424         0   0.23364E-02  567959.0 4330068.4    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000425         0   0.23364E-02  567967.7 4330067.0    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000426         0   0.23364E-02  567975.8 4330068.9    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000427         0   0.23364E-02  567975.5 4330078.9    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000428         0   0.23364E-02  567975.2 4330088.9    44.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000429         0   0.10000E-01  567114.0 4330394.8    44.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000430         0   0.10000E-01  567114.0 4330384.8    44.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000431         0   0.10000E-01  567114.0 4330374.8    44.8     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000432         0   0.10000E-01  567114.0 4330364.8    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000433         0   0.10000E-01  567115.8 4330356.6    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000434         0   0.10000E-01  567125.8 4330356.6    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000435         0   0.10000E-01  567135.8 4330356.6    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000436         0   0.10000E-01  567145.8 4330356.6    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000437         0   0.10000E-01  567155.8 4330356.5    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000438         0   0.10000E-01  567165.8 4330356.5    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000439         0   0.10000E-01  567175.8 4330356.5    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000440         0   0.10000E-01  567185.8 4330356.5    45.0     5.00     4.65
4.65     NO    HRDOW            NO
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000441         0   0.10000E-01  567195.8 4330356.4    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000442         0   0.10000E-01  567205.8 4330356.4    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000443         0   0.10000E-01  567215.8 4330356.4    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000444         0   0.10000E-01  567225.8 4330356.4    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000445         0   0.10000E-01  567235.8 4330356.4    45.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000446         0   0.10000E-01  567245.8 4330356.3    45.0     5.00     4.65
4.65     NO    HRDOW            NO
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 L0000447         0   0.10000E-01  567255.8 4330356.3    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000448         0   0.10000E-01  567265.8 4330356.3    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000449         0   0.10000E-01  567275.8 4330356.3    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000450         0   0.10000E-01  567285.8 4330356.2    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000451         0   0.10000E-01  567295.8 4330356.2    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000452         0   0.10000E-01  567305.8 4330356.2    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000453         0   0.10000E-01  567315.8 4330356.2    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000454         0   0.10000E-01  567325.8 4330356.2    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000455         0   0.10000E-01  567335.8 4330356.1    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000456         0   0.10000E-01  567345.8 4330356.1    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000457         0   0.10000E-01  567355.8 4330356.1    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000458         0   0.10000E-01  567365.8 4330356.1    44.9     5.00     4.65
4.65     NO    HRDOW            NO
 L0000459         0   0.10000E-01  567375.8 4330356.0    44.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000460         0   0.10000E-01  567385.8 4330356.0    44.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000461         0   0.10000E-01  567395.8 4330356.0    44.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000462         0   0.10000E-01  567405.8 4330356.0    44.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000463         0   0.10000E-01  567415.8 4330355.9    44.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000464         0   0.10000E-01  567425.8 4330355.9    44.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000465         0   0.10000E-01  567435.8 4330355.9    44.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000466         0   0.10000E-01  567445.8 4330355.9    44.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000467         0   0.10000E-01  567455.8 4330355.9    44.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000468         0   0.10000E-01  567465.8 4330355.8    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000469         0   0.10000E-01  567475.8 4330355.8    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000470         0   0.10000E-01  567485.8 4330355.8    44.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000471         0   0.10000E-01  567495.8 4330355.8    44.5     5.00     4.65
4.65     NO    HRDOW            NO
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000472	0	0.10000E-01	567505.8	4330355.7	44.5	5.00	4.65	4.65	NO	HRDOW	NO
L0000473	0	0.10000E-01	567515.8	4330355.7	44.5	5.00	4.65	4.65	NO	HRDOW	NO
L0000474	0	0.10000E-01	567525.8	4330355.7	44.4	5.00	4.65	4.65	NO	HRDOW	NO
L0000475	0	0.10000E-01	567535.8	4330355.7	44.4	5.00	4.65	4.65	NO	HRDOW	NO
L0000476	0	0.10000E-01	567545.8	4330355.6	44.4	5.00	4.65	4.65	NO	HRDOW	NO
L0000477	0	0.10000E-01	567555.8	4330355.6	44.3	5.00	4.65	4.65	NO	HRDOW	NO
L0000478	0	0.10000E-01	567565.8	4330355.6	44.3	5.00	4.65	4.65	NO	HRDOW	NO
L0000479	0	0.10000E-01	567575.8	4330355.6	44.3	5.00	4.65	4.65	NO	HRDOW	NO
L0000480	0	0.10000E-01	567585.8	4330355.6	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000481	0	0.10000E-01	567595.8	4330355.5	44.2	5.00	4.65	4.65	NO	HRDOW	NO
L0000482	0	0.10000E-01	567605.8	4330355.5	44.1	5.00	4.65	4.65	NO	HRDOW	NO
L0000483	0	0.10000E-01	567615.8	4330355.5	44.1	5.00	4.65	4.65	NO	HRDOW	NO
L0000484	0	0.10000E-01	567625.8	4330355.5	44.1	5.00	4.65	4.65	NO	HRDOW	NO
L0000485	0	0.10000E-01	567635.8	4330355.4	44.1	5.00	4.65	4.65	NO	HRDOW	NO
L0000486	0	0.10000E-01	567645.8	4330355.4	44.1	5.00	4.65	4.65	NO	HRDOW	NO

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 L0000487         0   0.10000E-01  567655.8 4330355.4    44.1     5.00     4.65
4.65     NO    HRDOW            NO
 L0000488         0   0.10000E-01  567665.8 4330355.4    44.0     5.00     4.65
4.65     NO    HRDOW            NO
 L0000489         0   0.10000E-01  567675.8 4330355.4    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000490         0   0.10000E-01  567685.8 4330355.3    43.8     5.00     4.65
4.65     NO    HRDOW            NO
 L0000491         0   0.10000E-01  567695.8 4330355.3    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000492         0   0.10000E-01  567705.8 4330355.3    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000493         0   0.10000E-01  567715.8 4330355.3    43.7     5.00     4.65
4.65     NO    HRDOW            NO
 L0000494         0   0.10000E-01  567725.8 4330355.2    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000495         0   0.10000E-01  567735.8 4330355.2    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000496         0   0.10000E-01  567745.8 4330355.2    43.6     5.00     4.65
4.65     NO    HRDOW            NO
 L0000497         0   0.10000E-01  567755.8 4330355.2    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000498         0   0.10000E-01  567765.8 4330355.1    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000499         0   0.10000E-01  567775.8 4330355.1    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000500         0   0.10000E-01  567785.8 4330355.1    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000501         0   0.10000E-01  567795.8 4330355.1    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000502         0   0.10000E-01  567805.8 4330355.1    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000503         0   0.10000E-01  567815.8 4330355.0    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000504         0   0.10000E-01  567825.8 4330355.0    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000505         0   0.10000E-01  567835.8 4330355.0    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000506         0   0.10000E-01  567845.8 4330355.0    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000507         0   0.10000E-01  567855.8 4330354.9    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000508         0   0.10000E-01  567865.8 4330354.9    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000509         0   0.10000E-01  567875.8 4330354.9    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000510         0   0.10000E-01  567885.8 4330354.9    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000511         0   0.10000E-01  567895.8 4330354.9    43.5     5.00     4.65
4.65     NO    HRDOW            NO
```

```
 L0000512         0   0.10000E-01  567905.8 4330354.8    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000513         0   0.10000E-01  567915.8 4330354.8    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000514         0   0.10000E-01  567925.8 4330354.8    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000515         0   0.10000E-01  567935.8 4330354.8    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000516         0   0.10000E-01  567945.8 4330354.7    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000517         0   0.10000E-01  567955.8 4330354.7    43.5     5.00     4.65
4.65     NO    HRDOW            NO
 L0000518         0   0.10000E-01  567965.8 4330354.7    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000519         0   0.10000E-01  567975.8 4330354.7    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000520         0   0.10000E-01  567985.8 4330354.6    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0000521         0   0.10000E-01  567995.8 4330354.6    43.4     5.00     4.65
4.65     NO    HRDOW            NO
 L0000522         0   0.10000E-01  568005.8 4330354.6    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000523         0   0.10000E-01  568015.8 4330354.6    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000524         0   0.10000E-01  568025.8 4330354.6    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000525         0   0.10000E-01  568035.8 4330354.5    43.3     5.00     4.65
4.65     NO    HRDOW            NO
 L0000526         0   0.10000E-01  568045.8 4330354.5    43.3     5.00     4.65
4.65     NO    HRDOW            NO
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
SLINE1	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
	L0000081 , L0000082 , L0000083 , L0000084 , L0000085 ,

L0000086   , L0000087   , L0000088   ,

             L0000089   , L0000090   , L0000091   , L0000092   , L0000093   ,
L0000094   , L0000095   , L0000096   ,

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L0000102   , L0000103   , L0000104   ,

             L0000105   , L0000106   , L0000107   , L0000108   , L0000109   ,
L0000110   , L0000111   , L0000112   ,

             L0000113   , L0000114   , L0000115   , L0000116   , L0000117   ,
L0000118   , L0000119   , L0000120   ,

             L0000121   , L0000122   , L0000123   , L0000124   , L0000125   ,
L0000126   , L0000127   , L0000128   ,

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L0000134   , L0000135   , L0000136   ,

             L0000137   , L0000138   , L0000139   , L0000140   , L0000141   ,
L0000142   , L0000143   , L0000144   ,

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L0000150   , L0000151   , L0000152   ,

             L0000153   , L0000154   , L0000155   , L0000156   , L0000157   ,
L0000158   , L0000159   , L0000160   ,

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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L0000174   , L0000175   , L0000176   ,

             L0000177   , L0000178   , L0000179   , L0000180   , L0000181   ,

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L0000182    , L0000183    , L0000184    ,

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L0000190    , L0000191    , L0000192    ,

             L0000193    , L0000194    , L0000195    , L0000196    , L0000197    ,
L0000198    , L0000199    , L0000200    ,

             L0000201    , L0000202    , L0000203    , L0000204    , L0000205    ,
L0000206    , L0000207    , L0000208    ,

             L0000209    , L0000210    , L0000211    , L0000212    , L0000213    ,
L0000214    , L0000215    , L0000216    ,

             L0000217    , L0000218    , L0000219    , L0000220    , L0000221    ,
L0000222    , L0000223    , L0000224    ,

             L0000225    , L0000226    , L0000227    , L0000228    , L0000229    ,
L0000230    , L0000231    , L0000232    ,

             L0000233    , L0000234    , L0000235    , L0000236    , L0000237    ,
L0000238    , L0000239    , L0000240    ,

             L0000241    , L0000242    , L0000243    , L0000244    , L0000245    ,
L0000246    , L0000247    , L0000248    ,

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L0000310    , L0000311    , L0000312    ,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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L0000401 , L0000402 , L0000403 , L0000404 , L0000405 ,
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L0000422    , L0000423    , L0000424    ,

             L0000425    , L0000426    , L0000427    , L0000428    ,

  SLINE2     L0000429    , L0000430    , L0000431    , L0000432    , L0000433    ,
L0000434    , L0000435    , L0000436    ,

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L0000450    , L0000451    , L0000452    ,

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L0000458    , L0000459    , L0000460    ,

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 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


             L0000477    , L0000478    , L0000479    , L0000480    , L0000481    ,
L0000482    , L0000483    , L0000484    ,

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L0000498    , L0000499    , L0000500    ,

             L0000501    , L0000502    , L0000503    , L0000504    , L0000505    ,
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  GEN        STCK1       , STCK2       ,

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L0000014    , L0000015    , L0000016    ,

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L0000094    , L0000095    , L0000096    ,
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,
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	L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
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	L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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L0000414    , L0000415    , L0000416    ,
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000417 , L0000418 , L0000419 , L0000420 , L0000421 , L0000422 , L0000423 , L0000424 ,
	L0000425 , L0000426 , L0000427 , L0000428 , L0000429 , L0000430 , L0000431 , L0000432 ,
	L0000433 , L0000434 , L0000435 , L0000436 , L0000437 , L0000438 , L0000439 , L0000440 ,
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	L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , L0000472 ,
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	L0000505 , L0000506 , L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 ,
	L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 ,
	L0000521 , L0000522 , L0000523 , L0000524 , L0000525 ,

L0000526   , L0000527   , L0000528   ,

             STCK1   , STCK2   ,

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000001   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
 SOURCE ID = L0000002     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000003     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000005   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000006   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000007     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000008   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- - - -

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000012   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000016   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

```
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000019     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000020     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000021   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000022   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000023   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000024     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0000025   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000026   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000027     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000028   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000029     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000030     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000031 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000033 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000035     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000036   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000037   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000038     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000039   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000040   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000042     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000043   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                        DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000044     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000045     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000047   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000048 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000050     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000051   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
 SOURCE ID = L0000052     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000053     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000055   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000056   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000057     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000058   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000059 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000060 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - -
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000062     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000063 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000064 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000066   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000067 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000068 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00						

6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000069   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000070     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***       14:08:51

                                  PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000071 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000072 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01						

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000073   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000074     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0000075   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000076   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

                                  PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000077     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000078   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000079     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                PAGE 103
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000080     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000081     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000082 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000083 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000085     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000086   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000087   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000088 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000089   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000090 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.3360E+01	8	.3360E+01				
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01
14	.3360E+01	15	.3360E+01	16	.3360E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000091 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000092     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000093 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000094 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000095 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01

```
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000096     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000097   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000098 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE 123
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000100     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000101   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
 SOURCE ID = L0000102     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000103     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000104 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000105   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000106   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000107     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000108   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000109 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000110 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - -
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000112   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000113 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000114 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000115 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000116   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000117 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000118 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000119   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***        14:08:51

                                   PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000120     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***        14:08:51

                                   PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000121 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000122 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01						

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000123   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000124   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                            DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

 SOURCE ID = L0000125   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000126   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000127 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000128   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000129     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000130     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 154
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000131     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000132 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.3360E+01	8	.3360E+01				
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01
14	.3360E+01	15	.3360E+01	16	.3360E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000133 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000135     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000136   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000137   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000138     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***        14:08:51

                                   PAGE 162
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000139     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***        14:08:51
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000140 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.3360E+01	8	.3360E+01				
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01
14	.3360E+01	15	.3360E+01	16	.3360E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000141 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

                                  PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000142     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000143   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                        DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000144 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000145 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01

```
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 169
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000146     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000147   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

SOURCE ID = L0000148 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000149 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000150     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000151   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
 SOURCE ID = L0000152     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 176
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000153     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000154   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000155   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000156   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 180
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000157     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000158   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000159 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000160 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- - - -

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000162   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000163 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000164 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000165 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000166   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000167   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000169   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                            ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000170     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                            ***       14:08:51

                                    PAGE 194
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000171 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000172 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01						

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000173   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000174 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

 SOURCE ID = L0000175   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000176   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000177   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000178   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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 SOURCE ID = L0000179     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000180     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000181 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000182 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.3360E+01	8	.3360E+01				
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01
14	.3360E+01	15	.3360E+01	16	.3360E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000183 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 208
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000185     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000186   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000187   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 211
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000188     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000189   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000190 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.3360E+01	8	.3360E+01				
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01
14	.3360E+01	15	.3360E+01	16	.3360E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000191 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 215
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000192     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000193 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000194 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000195 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01

```
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 219
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000196     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000197   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000198 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000199 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE 223
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000200     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000201   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000202     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 226
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000203     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000204 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000205   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000206   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 230
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000207     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000208   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000209 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000210 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- - - -

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000212   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000213 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000214 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000215 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000216   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000217 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01 14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000218 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

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6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000219     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000220     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 244
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000221   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000223   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000224     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                 PAGE 248
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
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WEEK (HRDOW) *

 SOURCE ID = L0000225     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000226     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000227     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000228   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000229     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000230     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 254
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000231     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000232 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000233 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000235     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000236   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000237   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

                                  PAGE 261
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000238     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000239     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000240 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.3360E+01	8	.3360E+01				
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01
14	.3360E+01	15	.3360E+01	16	.3360E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000241 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 265
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000242     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000243 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000244 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000245 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01

```
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000246     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000247   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000248 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000250     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000251   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000252     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000253     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000254 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000255   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000256   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000257     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000258   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000259 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000260 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- - - -

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000262   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000263 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000264 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000265 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000266   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000267 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000268 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000269   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                            ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000270     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                            ***       14:08:51

                                    PAGE 294
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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SOURCE ID = L0000271 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000272 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01						

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000273   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000274     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***       14:08:51

                                  PAGE 298
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
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WEEK (HRDOW) *

 SOURCE ID = L0000275     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 299
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000276     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000277     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000278   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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 SOURCE ID = L0000279     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                PAGE 303
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000280     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 304
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000281     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000282 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000283 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000285     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000286   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000287   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

                                PAGE 311
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000288     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000289     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000290 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.3360E+01	8	.3360E+01				
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01
14	.3360E+01	15	.3360E+01	16	.3360E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000291 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

                                  PAGE 315
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000292     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000293   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000294 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000295 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000297   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000298 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE 323
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000300     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000301   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000302     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 326
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000303     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000304   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000305   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000306   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 330
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000307     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000308   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000309 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000310 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - -
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000312   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000313 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000314 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000315 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000316   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000317 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000318 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

```
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000319     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 343
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000320     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 344
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000321   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000323   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000324     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                 PAGE 348
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
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WEEK (HRDOW) *

 SOURCE ID = L0000325     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000326     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000327     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000328   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000329     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                PAGE 353
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000330     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 354
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000331     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000332 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000333 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 358
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000335     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000336   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000337   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 361
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000338     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000339     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000340 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.3360E+01	8	.3360E+01				
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01
14	.3360E+01	15	.3360E+01	16	.3360E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000341 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE 365
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000342     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000343   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                        DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000344 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000345 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01

```
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 369
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000346     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000347   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000348 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

                                PAGE 373
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000350     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000351   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
 SOURCE ID = L0000352     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 376
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000353     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000354 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000355   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000356   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 380
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000357     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000358   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000359 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000360 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - -
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000362   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000363 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000364 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000365 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000366   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000367 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.3360E+01	8	.3360E+01	9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01
13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000368 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000369   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000370     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***        14:08:51

                                   PAGE 394
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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SOURCE ID = L0000371 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000372 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01						

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000373   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000374 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

 SOURCE ID = L0000375   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000376   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000377   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000378   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000379     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000380     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 404
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000381     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000382 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000383 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE 408
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000385     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000386   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000387   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 411
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000388     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000389   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000390 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.3360E+01	8	.3360E+01				
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01
14	.3360E+01	15	.3360E+01	16	.3360E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000391 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 415
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000392     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000393 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000394 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000395 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01

```
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 419
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000396     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000397   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000398 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000399 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE 423
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000400     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000401   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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 SOURCE ID = L0000402     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 426
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000403     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000404 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000405   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000406   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 430
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000407     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000408   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000409 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000410 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- - - -

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000412   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000413 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000414 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000415 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000416   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000417   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000419 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                            ***       14:08:51

                                    PAGE 443
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000420     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                            ***       14:08:51

                                    PAGE 444
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000421   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000423   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000424   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                            DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

 SOURCE ID = L0000425   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000426   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

                                PAGE 450
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000427     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000428   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000429     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                PAGE 453
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000430     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 454
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000431     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000432 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000433 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 458
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000435     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000436   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000437   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000438     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000439   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000440   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000441   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 465
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000442     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000443 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000444 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000445 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01

```
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 469
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000446     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000447   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000448 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE 473
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000450     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000451   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000452     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 476
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000453     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000454   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000455   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000456   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 480
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000457     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000458   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000459 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000460 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- - - -

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000462   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000463 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000464 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000465 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000466   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000467   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000469   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                            ***       14:08:51

                                    PAGE 493
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000470     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                            ***       14:08:51

                                    PAGE 494
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000471   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000472   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01

14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000473   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***        14:08:51

                                   PAGE 497
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000474     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***        14:08:51

                                   PAGE 498
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
WEEK (HRDOW) *

 SOURCE ID = L0000475     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 499
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000476     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 500
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000477     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000478   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000479     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                PAGE 503
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000480     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000481 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000482 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000483 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE 508
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000485     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000486   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000487   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 511
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000488     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
1*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                PAGE 512
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000489     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
1*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000490 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000491 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 515
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000492     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000493 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000494 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000495 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000497   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000498 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000499 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                             ***       14:08:51

                                    PAGE 523
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000500     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000501   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
 SOURCE ID = L0000502     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 526
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000503     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000504   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000505   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01   14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000506   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 530
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000507     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000508   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000509 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000510 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - -
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000512   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000513 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000514 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01
14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000515 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000516   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000517 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .3360E+01 8 .3360E+01
9 .3360E+01 10 .3360E+01 11 .3360E+01 12 .3360E+01 13 .3360E+01 14 .3360E+01 15 .3360E+01 16 .3360E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000518 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000519   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000520     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 544
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000521   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

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14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                    ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                        ***       14:08:51

                                  PAGE 546
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000523     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000524 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.3360E+01	8	.3360E+01
9	.3360E+01	10	.3360E+01	11	.3360E+01	12	.3360E+01	13	.3360E+01	14	.3360E+01	15	.3360E+01	16	.3360E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

 SOURCE ID = L0000525   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000526   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***       14:08:51

                                PAGE 550
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000527     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000528   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .3360E+01   8 .3360E+01
    9 .3360E+01   10 .3360E+01   11 .3360E+01   12 .3360E+01   13 .3360E+01
14 .3360E+01   15 .3360E+01   16 .3360E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = STCK1        ; SOURCE TYPE = POINTCAP :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                PAGE 553
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = STCK2        ; SOURCE TYPE = POINTCAP :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .3360E+01    8  .3360E+01
    9  .3360E+01   10  .3360E+01   11  .3360E+01   12  .3360E+01   13  .3360E+01
14  .3360E+01   15  .3360E+01   16  .3360E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 554
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                               (METERS)

     ( 567850.6, 4330286.0,      44.0,      44.0,       0.0);         ( 568070.5,
4330427.0,      42.9,      42.9,       0.0);
     ( 568376.2, 4330472.0,      41.8,      41.8,       0.0);         ( 568313.0,
4330302.7,      42.8,      42.8,       0.0);
     ( 568804.4, 4330314.1,      42.8,      42.8,       0.0);         ( 568933.2,
4330439.1,      41.9,      41.9,       0.0);
     ( 568947.7, 4330522.0,      41.6,      41.6,       0.0);         ( 568968.0,
4330811.0,      40.6,      40.6,       0.0);
     ( 568878.7, 4330765.8,      40.7,      40.7,       0.0);         ( 568670.3,
4329475.8,      45.2,      45.2,       0.0);
     ( 567687.2, 4331380.1,      40.4,      40.4,       0.0);         ( 568314.3,
4331037.5,      39.3,      39.3,       0.0);
     ( 568622.5, 4331157.0,      38.8,      38.8,       0.0);         ( 569336.8,
4329961.7,      41.4,      41.4,       0.0);
     ( 569435.7, 4329841.5,      40.9,      40.9,       0.0);

*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                      ***        14:08:51

                                  PAGE 555
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                          *** METEOROLOGICAL DAYS SELECTED FOR
```

PROCESSING ***

(1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: Met Data\Yuba Airport Met Data\KMYV_724838_93205\KMYV_2015_2016_2018-2020_ADJU.S Met Version: 19191
Profile file: Met Data\Yuba Airport Met Data\KMYV_724838_93205\KMYV_2015_2016_2018-2020_ADJU.P
Surface format: FREE

Profile format: FREE

Surface station no.: 93205 Upper air station no.: 23230

Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2015 Year: 2015

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
15	01	01	1	01	-17.0	0.169	-9.000	-9.000	-999.	166.	31.3	0.02	0.76	1.00	2.76	150.	10.0	274.2	2.0
15	01	01	1	02	-11.2	0.135	-9.000	-9.000	-999.	120.	20.1	0.02	0.76	1.00	2.30	111.	10.0	274.2	2.0
15	01	01	1	03	-5.5	0.094	-9.000	-9.000	-999.	69.	13.6	0.02	0.76	1.00	1.62	80.	10.0	272.5	2.0
15	01	01	1	04	-4.1	0.081	-9.000	-9.000	-999.	55.	11.8	0.02	0.76	1.00	1.38	72.	10.0	270.4	2.0
15	01	01	1	05	-4.6	0.085	-9.000	-9.000	-999.	60.	12.4	0.02	0.76	1.00	1.47	65.	10.0	271.4	2.0
15	01	01	1	06	-4.8	0.087	-9.000	-9.000	-999.	62.	12.6	0.02	0.76	1.00	1.50	71.	10.0	270.9	2.0
15	01	01	1	07	-1.5	0.059	-9.000	-9.000	-999.	35.	12.5	0.02	0.76	1.00	0.70	167.	10.0	271.4	2.0
15	01	01	1	08	-3.8	0.078	-9.000	-9.000	-999.	53.	11.5	0.02	0.76	1.00	1.33	69.	10.0	270.4	2.0
15	01	01	1	09	-2.0	0.081	-9.000	-9.000	-999.	55.	24.3	0.02	0.76	0.41	1.35	78.	10.0	274.9	2.0
15	01	01	1	10	32.8	0.121	0.658	0.010	315.	101.	-4.9	0.02	0.76	0.28	1.43	107.	10.0	277.5	2.0
15	01	01	1	11	63.3	0.218	0.876	0.009	386.	244.	-14.9	0.02	0.76	0.24	2.81	159.	10.0	279.2	2.0
15	01	01	1	12	80.3	0.275	0.972	0.008	416.	346.	-23.5	0.02	0.76	0.22	3.68	165.	10.0	280.4	2.0
15	01	01	1	13	82.8	0.225	1.004	0.007	445.	257.	-12.5	0.02	0.76	0.22	2.86	155.	10.0	280.9	2.0
15	01	01	1	14	70.7	0.225	1.001	0.006	516.	256.	-14.7	0.02	0.76	0.23	2.90	155.	10.0	281.4	2.0
15	01	01	1	15	44.7	0.227	0.868	0.006	531.	260.	-23.9	0.02	0.76	0.26	3.05	162.	10.0	282.0	2.0
15	01	01	1	16	7.4	0.204	0.478	0.006	534.	221.	-103.8	0.02	0.76	0.36	2.98	181.	10.0	282.0	2.0
15	01	01	1	17	-7.1	0.110	-9.000	-9.000	-999.	91.	16.9	0.02	0.76	0.62	1.89	215.	10.0	280.4	2.0
15	01	01	1	18	-1.4	0.058	-9.000	-9.000	-999.	34.	12.6	0.02	0.76	1.00	0.67	143.	10.0	277.5	2.0
15	01	01	1	19	-6.5	0.102	-9.000	-9.000	-999.	78.	14.9	0.02	0.76	1.00	1.76	74.	10.0	276.4	2.0
15	01	01	1	20	-12.0	0.140	-9.000	-9.000	-999.	126.	21.7	0.02	0.76	1.00	2.36	77.	10.0	276.4	2.0
15	01	01	1	21	-7.1	0.108	-9.000	-9.000	-999.	85.	16.2	0.03	0.76						

```
1.00    1.76   50.   10.0  275.4    2.0
 15 01 01   1 22   -6.5  0.102 -9.000 -9.000 -999.   78.     14.9  0.02   0.76
1.00    1.76   72.   10.0  274.9    2.0
 15 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.02   0.76
1.00    0.00    0.   10.0  273.1    2.0
 15 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.02   0.76
1.00    0.00    0.   10.0  273.1    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 15 01 01 01   10.0 1  150.    2.76   274.3   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                      ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Construction
                       ***        14:08:51

                                  PAGE 557
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SLINE1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         567850.60    4330286.00       15.60021                     568070.48
4330426.96        7.80658
         568376.21    4330471.97        1.27847                     568312.99
4330302.66        2.26485
         568804.40    4330314.13        0.42364                     568933.21
4330439.15        0.32994
         568947.73    4330521.98        0.32266                     568967.99
```

4330811.02   0.25745
         568878.74   4330765.75   0.30025   568670.29
4329475.85   0.85626
         567687.15   4331380.10   0.62633   568314.27
4331037.53   0.46961
         568622.48   4331157.05   0.28323   569336.77
4329961.70   0.21999
         569435.69   4329841.49   0.20845

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SLINE2   ***
                                  INCLUDING SOURCE(S):   L0000429   , L0000430
, L0000431   , L0000432   , L0000433   ,
                  L0000434   , L0000435   , L0000436   , L0000437   , L0000438
, L0000439   , L0000440   , L0000441   ,
                  L0000442   , L0000443   , L0000444   , L0000445   , L0000446
, L0000447   , L0000448   , L0000449   ,
                  L0000450   , L0000451   , L0000452   , L0000453   , L0000454
, L0000455   , L0000456   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         567850.60   4330286.00   17.27550   568070.48
4330426.96   7.23283
         568376.21   4330471.97   0.65510   568312.99
4330302.66   1.03518
         568804.40   4330314.13   0.27920   568933.21
4330439.15   0.19587
         568947.73   4330521.98   0.17650   568967.99
4330811.02   0.19769
         568878.74   4330765.75   0.22197   568670.29
4329475.85   0.45683
         567687.15   4331380.10   0.56779   568314.27
4331037.53   0.39696

```
         568622.48    4331157.05        0.23309                       569336.77
4329961.70        0.16697
         569435.69    4329841.49        0.16679

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                                 PAGE 559
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: GEN       ***
                                   INCLUDING SOURCE(S):     STCK1       , STCK2
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         567850.60    4330286.00        2.60523                       568070.48
4330426.96        3.25721
         568376.21    4330471.97        0.68536                       568312.99
4330302.66        1.00643
         568804.40    4330314.13        0.17687                       568933.21
4330439.15        0.13721
         568947.73    4330521.98        0.13442                       568967.99
4330811.02        0.12772
         568878.74    4330765.75        0.14924                       568670.29
4329475.85        0.36328
         567687.15    4331380.10        0.42202                       568314.27
4331037.53        0.28269
         568622.48    4331157.05        0.16664                       569336.77
4329961.70        0.08075
         569435.69    4329841.49        0.07440

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS\Saloon
BESS.isc                     ***        12/10/24
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                      ***        14:08:51

                                 PAGE 560
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
567850.60	4330286.00	35.48093	568070.48	4330426.96	18.29663
568376.21	4330471.97	2.61893	568312.99	4330302.66	4.30647
568804.40	4330314.13	0.87971	568933.21	4330439.15	0.66302
568947.73	4330521.98	0.63358	568967.99	4330811.02	0.58286
568878.74	4330765.75	0.67146	568670.29	4329475.85	1.67638
567687.15	4331380.10	1.61614	568314.27	4331037.53	1.14925
568622.48	4331157.05	0.68295	569336.77	4329961.70	0.46771
569435.69	4329841.49	0.44964			

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,

```
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        567850.60   4330286.00     1489.51809  (20122109)                568070.48
4330426.96     1844.91209  (15122307)
        568376.21   4330471.97      892.65297  (19010809)                568312.99
4330302.66      935.54789  (20122107)
        568804.40   4330314.13      479.05445  (15112308)                568933.21
4330439.15      417.68368  (15012109)
        568947.73   4330521.98      380.24554  (20122107)                568967.99
4330811.02      395.56717  (16010808)
        568878.74   4330765.75      430.28695  (16010808)                568670.29
4329475.85      554.40686  (16010809)
        567687.15   4331380.10      383.49819  (20122809)                568314.27
4331037.53      578.57336  (15122307)
        568622.48   4331157.05      345.16565  (20121708)                569336.77
4329961.70      335.14755  (19011809)
        569435.69   4329841.49      257.88934  (20031607)

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BESS.isc                      ***        12/10/24
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                                   PAGE 562
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SLINE2   ***
                                   INCLUDING SOURCE(S):     L0000429    , L0000430
, L0000431    , L0000432    , L0000433    ,
                 L0000434    , L0000435    , L0000436    , L0000437    , L0000438
, L0000439    , L0000440    , L0000441    ,
                 L0000442    , L0000443    , L0000444    , L0000445    , L0000446
, L0000447    , L0000448    , L0000449    ,
                 L0000450    , L0000451    , L0000452    , L0000453    , L0000454
```

, L0000455   , L0000456   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        567850.60   4330286.00   1219.47219 (19111808)   568070.48
4330426.96   1117.22226 (15112308)
        568376.21   4330471.97   655.73893 (15112308)   568312.99
4330302.66   1243.10243 (19011809)
        568804.40   4330314.13   518.89565 (16120908)   568933.21
4330439.15   326.70368 (18010407)
        568947.73   4330521.98   241.62317 (15012108)   568967.99
4330811.02   298.51407 (15012109)
        568878.74   4330765.75   325.12718 (15012109)   568670.29
4329475.85   225.07120 (16010809)
        567687.15   4331380.10   164.24817 (18121109)   568314.27
4331037.53   254.94721 (19010809)
        568622.48   4331157.05   224.84549 (19010809)   569336.77
4329961.70   266.79390 (20121108)
        569435.69   4329841.49   239.42686 (15012207)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: GEN   ***
                                 INCLUDING SOURCE(S):   STCK1   , STCK2
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -

        567850.60   4330286.00   302.65322 (16012209)   568070.48
4330426.96   281.19502 (19021408)
        568376.21   4330471.97   114.30887 (20110607)   568312.99
4330302.66   93.82055 (18010914)
        568804.40   4330314.13   57.78915 (18010310)   568933.21
4330439.15   49.91660 (18010310)
        568947.73   4330521.98   30.24573 (18010310)   568967.99
4330811.02   50.03382 (15012311)
        568878.74   4330765.75   50.47495 (15012311)   568670.29
4329475.85   88.40983 (18013009)
        567687.15   4331380.10   69.53473 (15011607)   568314.27
4331037.53   37.86961 (20122816)
        568622.48   4331157.05   52.18695 (16021708)   569336.77
4329961.70   56.57502 (15112508)
        569435.69   4329841.49   50.85599 (19122007)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        567850.60   4330286.00   1684.73296 (18092107)   568070.48
4330426.96   2291.75917 (15122307)
        568376.21   4330471.97   912.25077 (19010809)   568312.99
4330302.66   1640.68477 (19011809)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
SLINE1	1ST HIGHEST VALUE IS	15.60021	AT (567850.60, 4330286.00, 44.03, 44.03, 0.00)	DC	
	2ND HIGHEST VALUE IS	7.80658	AT (568070.48, 4330426.96, 42.88, 42.88, 0.00)	DC	
	3RD HIGHEST VALUE IS	2.26485	AT (568312.99, 4330302.66, 42.77, 42.77, 0.00)	DC	
	4TH HIGHEST VALUE IS	1.27847	AT (568376.21, 4330471.97, 41.85, 41.85, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.85626	AT (568670.29, 4329475.85, 45.21, 45.21, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.62633	AT (567687.15, 4331380.10, 40.40, 40.40, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.46961	AT (568314.27, 4331037.53, 39.29, 39.29, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.42364	AT (568804.40, 4330314.13, 42.84, 42.84, 0.00)	DC	

```
          9TH HIGHEST VALUE IS       0.32994 AT (  568933.21,  4330439.15,    41.89,
   41.89,    0.00)  DC
         10TH HIGHEST VALUE IS       0.32266 AT (  568947.73,  4330521.98,    41.57,
   41.57,    0.00)  DC

SLINE2    1ST HIGHEST VALUE IS      17.27550 AT (  567850.60,  4330286.00,    44.03,
   44.03,    0.00)  DC
          2ND HIGHEST VALUE IS       7.23283 AT (  568070.48,  4330426.96,    42.88,
   42.88,    0.00)  DC
          3RD HIGHEST VALUE IS       1.03518 AT (  568312.99,  4330302.66,    42.77,
   42.77,    0.00)  DC
          4TH HIGHEST VALUE IS       0.65510 AT (  568376.21,  4330471.97,    41.85,
   41.85,    0.00)  DC
          5TH HIGHEST VALUE IS       0.56779 AT (  567687.15,  4331380.10,    40.40,
   40.40,    0.00)  DC
          6TH HIGHEST VALUE IS       0.45683 AT (  568670.29,  4329475.85,    45.21,
   45.21,    0.00)  DC
          7TH HIGHEST VALUE IS       0.39696 AT (  568314.27,  4331037.53,    39.29,
   39.29,    0.00)  DC
          8TH HIGHEST VALUE IS       0.27920 AT (  568804.40,  4330314.13,    42.84,
   42.84,    0.00)  DC
          9TH HIGHEST VALUE IS       0.23309 AT (  568622.48,  4331157.05,    38.78,
   38.78,    0.00)  DC
         10TH HIGHEST VALUE IS       0.22197 AT (  568878.74,  4330765.75,    40.72,
   40.72,    0.00)  DC

GEN       1ST HIGHEST VALUE IS       3.25721 AT (  568070.48,  4330426.96,    42.88,
   42.88,    0.00)  DC
          2ND HIGHEST VALUE IS       2.60523 AT (  567850.60,  4330286.00,    44.03,
   44.03,    0.00)  DC
          3RD HIGHEST VALUE IS       1.00643 AT (  568312.99,  4330302.66,    42.77,
   42.77,    0.00)  DC
          4TH HIGHEST VALUE IS       0.68536 AT (  568376.21,  4330471.97,    41.85,
   41.85,    0.00)  DC
          5TH HIGHEST VALUE IS       0.42202 AT (  567687.15,  4331380.10,    40.40,
   40.40,    0.00)  DC
          6TH HIGHEST VALUE IS       0.36328 AT (  568670.29,  4329475.85,    45.21,
   45.21,    0.00)  DC
          7TH HIGHEST VALUE IS       0.28269 AT (  568314.27,  4331037.53,    39.29,
   39.29,    0.00)  DC
          8TH HIGHEST VALUE IS       0.17687 AT (  568804.40,  4330314.13,    42.84,
   42.84,    0.00)  DC
          9TH HIGHEST VALUE IS       0.16664 AT (  568622.48,  4331157.05,    38.78,
   38.78,    0.00)  DC
         10TH HIGHEST VALUE IS       0.14924 AT (  568878.74,  4330765.75,    40.72,
   40.72,    0.00)  DC

ALL       1ST HIGHEST VALUE IS      35.48093 AT (  567850.60,  4330286.00,    44.03,
   44.03,    0.00)  DC
          2ND HIGHEST VALUE IS      18.29663 AT (  568070.48,  4330426.96,    42.88,
```

42.88,   0.00) DC
       3RD HIGHEST VALUE IS   4.30647 AT (568312.99, 4330302.66,   42.77,
42.77,   0.00) DC
       4TH HIGHEST VALUE IS   2.61893 AT (568376.21, 4330471.97,   41.85,
41.85,   0.00) DC
       5TH HIGHEST VALUE IS   1.67638 AT (568670.29, 4329475.85,   45.21,
45.21,   0.00) DC
       6TH HIGHEST VALUE IS   1.61614 AT (567687.15, 4331380.10,   40.40,
40.40,   0.00) DC
       7TH HIGHEST VALUE IS   1.14925 AT (568314.27, 4331037.53,   39.29,
39.29,   0.00) DC
       8TH HIGHEST VALUE IS   0.87971 AT (568804.40, 4330314.13,   42.84,
42.84,   0.00) DC
       9TH HIGHEST VALUE IS   0.68295 AT (568622.48, 4331157.05,   38.78,
38.78,   0.00) DC
      10TH HIGHEST VALUE IS   0.67146 AT (568878.74, 4330765.75,   40.72,
40.72,   0.00) DC

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                                                *** THE SUMMARY OF HIGHEST 1-HR
RESULTS ***

                                  ** CONC OF PM_2.5   IN MICROGRAMS/M**3
             **

                                                      DATE
                                          NETWORK
GROUP ID   AVERAGE CONC   (YYMMDDHH)   RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)   OF TYPE GRID-ID
- -
- -

SLINE1   HIGH   1ST HIGH VALUE IS   1844.91209 ON 15122307: AT (568070.48,
4330426.96,   42.88,   42.88,   0.00) DC

SLINE2   HIGH   1ST HIGH VALUE IS   1243.10243 ON 19011809: AT (568312.99,
4330302.66,   42.77,   42.77,   0.00) DC

GEN HIGH 1ST HIGH VALUE IS 302.65322 ON 16012209: AT (567850.60, 4330286.00, 44.03, 44.03, 0.00) DC

ALL HIGH 1ST HIGH VALUE IS 2291.75917 ON 15122307: AT (568070.48, 4330426.96, 42.88, 42.88, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 6 Warning Message(s)
A Total of 1073 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 309 Calm Hours Identified

A Total of 764 Missing Hours Identified (1.74 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
SO W320 1166 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1167 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
ME W186 7656 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 7656 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

MX W450 17545 CHKDAT: Record Out of Sequence in Meteorological File at: 18010101

MX W450   17545   CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

****
*** AERMOD Finishes Successfully ***
****

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 12/10/2024
** File: C:\Lakes\AERMOD View\Saloon BESS Operation\Saloon BESS Operation.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Saloon BESS Operation\Saloon BESS Operation.isc
   TITLETWO Saloon BESS Operations - Emergency Generator
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL "Saloon BESS Operation.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINTCAP   567987.450  4330206.530       43.860
** DESCRSRC Diesel Generator Stack 1
   LOCATION STCK2        POINTCAP   567987.284  4330205.700       43.860
** DESCRSRC Diesel Generator Stack 2
** Source Parameters **
   SRCPARAM STCK1              0.5     4.300   752.150 58.5728816531831       0.2
   SRCPARAM STCK2              0.5     4.300   752.150 58.5728816531831       0.2
   SRCGROUP GEN      STCK1 STCK2
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
```

```
**
**
RE STARTING
   INCLUDED "Saloon BESS Operation.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "Met Data\Yuba Airport Met
Data\KMYV_724838_93205\KMYV_2015_2016_2018-2020_ADJU.SFC"
   PROFFILE "Met Data\Yuba Airport Met
Data\KMYV_724838_93205\KMYV_2015_2016_2018-2020_ADJU.PFL"
   SURFDATA 93205 2015
   UAIRDATA 23230 2015 OAKLAND/WSO_AP
   PROFBASE 18.9 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "SALOON BESS OPERATION.AD\01H1GALL.PLT" 31
   PLOTFILE 1 GEN 1ST "SALOON BESS OPERATION.AD\01H1G001.PLT" 32
   PLOTFILE PERIOD ALL "SALOON BESS OPERATION.AD\PE00GALL.PLT" 33
   PLOTFILE PERIOD GEN "SALOON BESS OPERATION.AD\PE00G001.PLT" 34
   SUMMFILE "Saloon BESS Operation.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***
```

```
   ********   WARNING MESSAGES   ********
 SO W320      41        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      42        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 ME W186      67       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187      67       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS
Operation\Saloon BESS Operation.isc ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Operations - Emergency Generator
                       ***        14:10:27

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                           ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses RURAL Dispersion Only.
      * Option for Capped & Horiz Stacks Selected With:
          2 Capped Stack(s); and         0 Horizontal Stack(s)
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_2.5

 **Model Calculates  1 Short Term Average(s) of:   1-HR
```

```
     and Calculates PERIOD Averages

 **This Run Includes:      2 Source(s);       2 Source Group(s); and      15
Receptor(s)

                with:      2 POINT(s), including
                           2 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  19191

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    18.90 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Saloon BESS Operation.err

 **File for Summary of Results:   Saloon BESS Operation.sum
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	BASE X (METERS)	BASE Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
STCK1	0	0.50000E+00	567987.5	4330206.5	43.9	4.30	752.15	58.57	0.20	NO	NO	CAP	
STCK2	0	0.50000E+00	567987.3	4330205.7	43.9	4.30	752.15	58.57	0.20	NO	NO	CAP	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
GEN	STCK1 , STCK2 ,
ALL	STCK1 , STCK2 ,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(567850.6, 4330286.0, 44.0, 44.0, 0.0); (568070.5, 4330427.0, 42.9, 42.9, 0.0);
(568376.2, 4330472.0, 41.8, 41.8, 0.0); (568313.0, 4330302.7, 42.8, 42.8, 0.0);
(568804.4, 4330314.1, 42.8, 42.8, 0.0); (568933.2, 4330439.1, 41.9, 41.9, 0.0);
(568947.7, 4330522.0, 41.6, 41.6, 0.0); (568968.0, 4330811.0, 40.6, 40.6, 0.0);
(568878.7, 4330765.8, 40.7, 40.7, 0.0); (568670.3, 4329475.8, 45.2, 45.2, 0.0);
(567687.2, 4331380.1, 40.4, 40.4, 0.0); (568314.3, 4331037.5, 39.3, 39.3, 0.0);
(568622.5, 4331157.0, 38.8, 38.8, 0.0); (569336.8, 4329961.7, 41.4, 41.4, 0.0);
(569435.7, 4329841.5, 40.9, 40.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: Met Data\Yuba Airport Met Data\KMYV_724838_93205\KMYV_2015_2016_2018-2020_ADJU.S Met Version: 19191
Profile file: Met Data\Yuba Airport Met Data\KMYV_724838_93205\KMYV_2015_2016_2018-2020_ADJU.P
Surface format: FREE

Profile format: FREE

Surface station no.: 93205 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2015 Year: 2015

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
15	01	01	1	01	-17.0	0.169	-9.000	-9.000	-999.	166.	31.3	0.02	0.76	1.00	2.76	150.	10.0	274.2	2.0
15	01	01	1	02	-11.2	0.135	-9.000	-9.000	-999.	120.	20.1	0.02	0.76	1.00	2.30	111.	10.0	274.2	2.0
15	01	01	1	03	-5.5	0.094	-9.000	-9.000	-999.	69.	13.6	0.02	0.76	1.00	1.62	80.	10.0	272.5	2.0
15	01	01	1	04	-4.1	0.081	-9.000	-9.000	-999.	55.	11.8	0.02	0.76	1.00	1.38	72.	10.0	270.4	2.0
15	01	01	1	05	-4.6	0.085	-9.000	-9.000	-999.	60.	12.4	0.02	0.76	1.00	1.47	65.	10.0	271.4	2.0
15	01	01	1	06	-4.8	0.087	-9.000	-9.000	-999.	62.	12.6	0.02	0.76						

```
1.00    1.50   71.   10.0  270.9    2.0
 15 01 01   1 07   -1.5  0.059 -9.000 -9.000 -999.   35.     12.5  0.02   0.76
1.00    0.70  167.   10.0  271.4    2.0
 15 01 01   1 08   -3.8  0.078 -9.000 -9.000 -999.   53.     11.5  0.02   0.76
1.00    1.33   69.   10.0  270.4    2.0
 15 01 01   1 09   -2.0  0.081 -9.000 -9.000 -999.   55.     24.3  0.02   0.76
0.41    1.35   78.   10.0  274.9    2.0
 15 01 01   1 10   32.8  0.121  0.658  0.010  315.  101.     -4.9  0.02   0.76
0.28    1.43  107.   10.0  277.5    2.0
 15 01 01   1 11   63.3  0.218  0.876  0.009  386.  244.    -14.9  0.02   0.76
0.24    2.81  159.   10.0  279.2    2.0
 15 01 01   1 12   80.3  0.275  0.972  0.008  416.  346.    -23.5  0.02   0.76
0.22    3.68  165.   10.0  280.4    2.0
 15 01 01   1 13   82.8  0.225  1.004  0.007  445.  257.    -12.5  0.02   0.76
0.22    2.86  155.   10.0  280.9    2.0
 15 01 01   1 14   70.7  0.225  1.001  0.006  516.  256.    -14.7  0.02   0.76
0.23    2.90  155.   10.0  281.4    2.0
 15 01 01   1 15   44.7  0.227  0.868  0.006  531.  260.    -23.9  0.02   0.76
0.26    3.05  162.   10.0  282.0    2.0
 15 01 01   1 16    7.4  0.204  0.478  0.006  534.  221.   -103.8  0.02   0.76
0.36    2.98  181.   10.0  282.0    2.0
 15 01 01   1 17   -7.1  0.110 -9.000 -9.000 -999.   91.     16.9  0.02   0.76
0.62    1.89  215.   10.0  280.4    2.0
 15 01 01   1 18   -1.4  0.058 -9.000 -9.000 -999.   34.     12.6  0.02   0.76
1.00    0.67  143.   10.0  277.5    2.0
 15 01 01   1 19   -6.5  0.102 -9.000 -9.000 -999.   78.     14.9  0.02   0.76
1.00    1.76   74.   10.0  276.4    2.0
 15 01 01   1 20  -12.0  0.140 -9.000 -9.000 -999.  126.     21.7  0.02   0.76
1.00    2.36   77.   10.0  276.4    2.0
 15 01 01   1 21   -7.1  0.108 -9.000 -9.000 -999.   85.     16.2  0.03   0.76
1.00    1.76   50.   10.0  275.4    2.0
 15 01 01   1 22   -6.5  0.102 -9.000 -9.000 -999.   78.     14.9  0.02   0.76
1.00    1.76   72.   10.0  274.9    2.0
 15 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.02   0.76
1.00    0.00    0.   10.0  273.1    2.0
 15 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.02   0.76
1.00    0.00    0.   10.0  273.1    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 15 01 01 01   10.0 1  150.    2.76   274.3   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS
Operation\Saloon BESS Operation.isc ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Operations - Emergency Generator
                       ***        14:10:27
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: GEN       ***
                                   INCLUDING SOURCE(S):     STCK1       , STCK2
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         567850.60    4330286.00        1.67552                      568070.48
4330426.96        1.89844
         568376.21    4330471.97        0.36956                      568312.99
4330302.66        0.48453
         568804.40    4330314.13        0.12449                      568933.21
4330439.15        0.10426
         568947.73    4330521.98        0.09971                      568967.99
4330811.02        0.10602
         568878.74    4330765.75        0.11578                      568670.29
4329475.85        0.31804
         567687.15    4331380.10        0.99675                      568314.27
4331037.53        0.27716
         568622.48    4331157.05        0.16764                      569336.77
4329961.70        0.08416
         569435.69    4329841.49        0.08570

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS
Operation\Saloon BESS Operation.isc ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Operations - Emergency Generator
                        ***       14:10:27

                                  PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       , STCK2
,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_2.5   IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
567850.60	4330286.00	1.67552	568070.48	4330426.96	1.89844
568376.21	4330471.97	0.36956	568312.99	4330302.66	0.48453
568804.40	4330314.13	0.12449	568933.21	4330439.15	0.10426
568947.73	4330521.98	0.09971	568967.99	4330811.02	0.10602
568878.74	4330765.75	0.11578	568670.29	4329475.85	0.31804
567687.15	4331380.10	0.99675	568314.27	4331037.53	0.27716
568622.48	4331157.05	0.16764	569336.77	4329961.70	0.08416
569435.69	4329841.49	0.08570			

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GEN ***
INCLUDING SOURCE(S): STCK1 , STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
567850.60	4330286.00	156.13438	(16111924)	568070.48	4330426.96	99.57349	(16030603)
568376.21	4330471.97	44.09481	(20053019)	568312.99	4330302.66	65.78170	(15040419)
568804.40	4330314.13	28.47257	(20043019)	568933.21			

4330439.15   24.76102 (15122718)
        568947.73   4330521.98   23.20628 (15022719)   568967.99
4330811.02   23.39078 (16020517)
        568878.74   4330765.75   24.10253 (16020517)   568670.29
4329475.85   26.81017 (20020818)
        567687.15   4331380.10   23.83084 (16052819)   568314.27
4331037.53   25.57592 (16080219)
        568622.48   4331157.05   21.39439 (20012517)   569336.77
4329961.70   22.83511 (20112909)
        569435.69   4329841.49   19.33878 (19013017)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   STCK1   , STCK2
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
GEN	1ST HIGHEST VALUE IS	1.89844	AT (568070.48, 4330426.96, 42.88, 42.88, 0.00)	DC	
	2ND HIGHEST VALUE IS	1.67552	AT (567850.60, 4330286.00, 44.03, 44.03, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.99675	AT (567687.15, 4331380.10, 40.40, 40.40, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.48453	AT (568312.99, 4330302.66, 42.77, 42.77, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.36956	AT (568376.21, 4330471.97, 41.85, 41.85, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.31804	AT (568670.29, 4329475.85, 45.21, 45.21, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.27716	AT (568314.27, 4331037.53, 39.29, 39.29, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.16764	AT (568622.48, 4331157.05, 38.78, 38.78, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.12449	AT (568804.40, 4330314.13, 42.84, 42.84, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.11578	AT (568878.74, 4330765.75, 40.72, 40.72, 0.00)	DC	
ALL	1ST HIGHEST VALUE IS	1.89844	AT (568070.48, 4330426.96, 42.88, 42.88, 0.00)	DC	
	2ND HIGHEST VALUE IS	1.67552	AT (567850.60, 4330286.00, 44.03, 44.03, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.99675	AT (567687.15, 4331380.10, 40.40, 40.40, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.48453	AT (568312.99, 4330302.66, 42.77,		

```
   42.77,    0.00)  DC
         5TH HIGHEST VALUE IS       0.36956 AT (  568376.21,  4330471.97,    41.85,
   41.85,    0.00)  DC
         6TH HIGHEST VALUE IS       0.31804 AT (  568670.29,  4329475.85,    45.21,
   45.21,    0.00)  DC
         7TH HIGHEST VALUE IS       0.27716 AT (  568314.27,  4331037.53,    39.29,
   39.29,    0.00)  DC
         8TH HIGHEST VALUE IS       0.16764 AT (  568622.48,  4331157.05,    38.78,
   38.78,    0.00)  DC
         9TH HIGHEST VALUE IS       0.12449 AT (  568804.40,  4330314.13,    42.84,
   42.84,    0.00)  DC
        10TH HIGHEST VALUE IS       0.11578 AT (  568878.74,  4330765.75,    40.72,
   40.72,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\Saloon BESS
Operation\Saloon BESS Operation.isc ***        12/10/24
 *** AERMET - VERSION  19191 ***   *** Saloon BESS Operations - Emergency Generator
                       ***        14:10:27

                                   PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                    ** CONC OF PM_2.5   IN MICROGRAMS/M**3
              **

                                                      DATE
                                          NETWORK
GROUP ID                            AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

GEN      HIGH   1ST HIGH VALUE IS     156.13438  ON 16111924: AT (  567850.60,
4330286.00,    44.03,    44.03,    0.00)  DC

ALL      HIGH   1ST HIGH VALUE IS     156.13438  ON 16111924: AT (  567850.60,
4330286.00,    44.03,    44.03,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
```

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   6 Warning Message(s)
 A Total of   1073 Informational Message(s)

 A Total of   43848 Hours Were Processed

 A Total of   309 Calm Hours Identified

 A Total of   764 Missing Hours Identified (1.74 Percent)

    ******** FATAL ERROR MESSAGES ********
               *** NONE ***

    ********   WARNING MESSAGES   ********
 SO W320   41   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320   42   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 ME W186   67   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187   67   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W450   17545   CHKDAT: Record Out of Sequence in Meteorological File at:
 18010101
 MX W450   17545   CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

    ****
    *** AERMOD Finishes Successfully ***
    ****

Attachment C

Energy Demand Estimates

Saloon BESS Project

Energy Demand Summary

Construction

		15	Gallons	
Source	**Percent**	**Total MTCO2**	**Diesel**	**Gasoline**
2026				
Off-road	30.7%	193	18,901	
Electricity	0.0%	0		
Worker	10.0%	63		7,160
Vendor	38.7%	243	23,827	
Hauling	20.5%	129	12,621	
Stationary Sources	0.0%	0	0	
Total	*100.0%*	*629*	*55,349*	*7,160*
2027				
Off-road	22.0%	141	13,794	
Electricity	0.0%	0		
Worker	16.7%	107		12,198
Vendor	45.9%	294	28,821	
Hauling	8.9%	57	5,576	
Stationary Sources	6.5%	41	4,058	
Total	*100.0%*	*641*	*52,249*	*12,198*
2050				
Off-road	81.3%	461	45,113	
Electricity	0.0%	0		
Worker	7.6%	43		4,904
Vendor	6.6%	37	3,662	
Hauling	4.5%	25	2,497	
Stationary Sources	0.0%	0	0	
Total	*100.0%*	*567*	*51,272*	*4,904*
Total Construction Period				
Off-road	43.3%	794	77,808	0
Electricity	0.0%	0	0	0
Worker	11.6%	213	0	24,261
Vendor	31.3%	575	56,310	0
Hauling	11.5%	211	20,695	0
Stationary Sources	2.3%	41	4,058	0
Total	***100.0%***	***1,836***	***158,870***	***24,261***

Total Petroleum 183,132 gallons

Project Operation

	15	Gallons	
Source	**Total MTCO2**	**Diesel**	**Gasoline**
Mobile Exhaust	1.78	15	185
Landscape Equipment	0.01		1
Electricity	11.10		
Natural Gas Energy	0.00		
Water and Wastewater	0.00		
Solid Waste	0.06		
Off-Road Equipment	0.52	2	
Stationary Sources	51.79	5,072	
Total	**13.47**	**5,090**	**186**

Type	**Total**	**Units**
Petroleum	5,275	gallons/year
Electricity	120,000	kWh/year
Natural Gas	0	kBTU/year

Constants

Fuel	**KgCO2/Gallon**	1000 Kg in MT
Gasoline	8.78	
Diesel	10.21	

Source: The Climate Registry 2023

Appendix C
Biological Resources Assessment

Biological Resources Assessment Report

Saloon Battery Energy Storage System Project, Colusa County, California

JUNE 2024

Prepared for:

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APPENDICES

A Database Search Results
B Representative Photos
C Plant Species Compendium
D Wildlife Species Compendium

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
BSA	Biological Study Area
CDFW	California Department of Fish and Wildlife
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
gen-tie	generation interconnect
project	Saloon Battery Energy Storage System Project
reconnaissance survey	general biological reconnaissance field survey
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey

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1 Introduction

This report presents the findings of a biological resources assessment Dudek biologists conducted for the proposed Saloon Battery Energy Storage System Project (project). The purpose of this assessment was to evaluate existing biological conditions and potential impacts associated with the project to sensitive biological resources within the Biological Study Area (BSA). This report was prepared at a level of detail sufficient to provide recommendations for further surveys that may or may not be needed for each plant or wildlife species that has the potential to occur within the BSA, pending consultation with the wildlife agencies.

1.1 Project Description

The project would consist of the construction and operation of an 8.8-acre battery energy storage system within the 40.2-acre BSA in unincorporated Colusa County, California. The project will also include a 0.5-mile generation interconnect (gen-tie) to the Pacific Gas & Electric Cortina Substation located east of the BSA. A 300-foot right-of-way buffer around the gen-tie line is included as part of the BSA for this assessment.

1.2 Project Location

The BSA is located approximately 4.8 miles west of Interstate 5 and 2.4 miles south of State Highway 20, near the Beauchamp Drive and East Camp Road intersection (see Figure 1, Project Vicinity). Regional access to the BSA is provided via State Highway 20. Surrounding land uses include scattered rural single-family homes, agricultural lands, and electrical infrastructure (Pacific Gas & Electric Cortina Substation and transmission lines) (Google Earth 2024). A summary of project location data is included below:

- **County:** Colusa
- **U.S. Geological Survey (USGS) 7.5-Minute Quadrangle:** Cortina Creek
- **Latitude, Longitude**: 39.117202°, −122.21361° (Centroid)
- **Elevation Range:** 140 feet to 160 feet above mean sea level
- **BSA:** 40.2 acres

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2 Methods

2.1 Literature Review

This assessment included a review of the latest available relevant literature and published research on hydrology, general biological baselines, and special-status species distributions to determine those resources that have the potential to occur within the BSA. Dudek biologists searched the California Department of Fish and Wildlife's (CDFW) California Natural Diversity Database (CNDDB) (CDFW 2024a), the California Native Plant Society's (CNPS) Inventory of Rare and Endangered Plants (CNPS 2024), and the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Consultation occurrence data (USFWS 2024a) to identify special-status biological resources that are known to occur in the region. The CNDDB and CNPS Inventory were searched based on the USGS 7.5-minute topographic quadrangle maps for Cortina Creek, where the BSA is located, as well as the surrounding eight quadrangle maps (Williams, Colusa, Arbuckle, Wildwood School, Rumsey, Glascock Mountain, Salt Canyon, and Manor Slough). Results of the CNDDB, CNPS, and Information for Planning and Consultation records searches are included in Appendix A, Database Search Results. Potential and/or historical drainages and aquatic features were investigated based on a review of USGS topographic maps (1:24,000 scale), the USGS National Hydrography Dataset (USGS 2023), aerial photographs (Google Earth 2024), and the National Wetlands Inventory database (USFWS 2024b).

2.2 Field Reconnaissance

Dudek biologist Allie Sennett conducted a general biological reconnaissance field survey (reconnaissance survey) of the BSA on May 16, 2024 (see Table 1). The purpose of the reconnaissance survey was to verify previously mapped existing vegetation communities and land covers, identify commonly occurring plant and wildlife species, identify plant and wildlife species protected under the federal and/or California Endangered Species Act, and determine the likelihood of occurrence of any special-status plant and wildlife species. Representative field photographs are included in Appendix B, Representative Photos.

Table 1. Survey Details and Conditions

Date	Personnel	Survey Type	Survey Conditions (Time, Temperature, Skies, Wind)
05/16/24	Allie Sennett	Reconnaissance survey	09:45–14:00, 65°F–82°F; 0 mph to 5 mph winds; 0% cc–5% cc

Notes: mph = miles per hour; cc = cloud cover.

2.2.1 Vegetation Community and Land Cover Mapping

Vegetation communities and land uses within the BSA were verified in the field using Esri Field Maps, a mobile data collection application, on a digital aerial-based background (Esri 2023). Following completion of the fieldwork, all vegetation linework was finalized using Esri ArcGIS software, and a GIS coverage map was created. Once in ArcGIS, the acreage of each vegetation community and land cover type within the BSA was determined. Vegetation communities were classified based on site factors, descriptions, distribution, and characteristic species present within an area.

2.2.2 Plants

All plant species encountered during the reconnaissance survey were identified and recorded. Potential for special-status plant species to occur within the BSA was assessed based on known geographic and elevation ranges, as well as habitat and soil conditions that are known to support species occurring in the region. All plant species encountered were identified to the taxonomic level appropriate to determine species and regulatory status, if needed. No protocol-level botanical surveys were conducted as part of this assessment. The list of plant species observed in the BSA is presented in Appendix C, Plant Species Compendium.

2.2.3 Wildlife

All wildlife species, as detected during the reconnaissance survey by sight, calls, tracks, scat, or other signs, were identified and recorded. Binoculars were used to aid in the identification of observed wildlife. No trapping or focused surveys for special-status species or nocturnal species were conducted as part of this assessment. In addition to species observed in the field, expected general wildlife usage of the BSA was determined according to known habitat preferences of regional wildlife species and knowledge of their relative distributions in the area. Latin and common names for wildlife species referred to in this report follow Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in our Understanding (Crother 2017) for reptiles and amphibians, Checklist of North and Middle American Birds (AOS 2021) for birds, and Mammal Species of the World: A Taxonomic and Geographic Reference, (Wilson and Reeder 2005) for mammals. Potential for special-status wildlife species to occur within the BSA was assessed based on known geographic ranges, the presence/absence of suitable habitat, and other natural history elements that might predict their occurrence. The list of wildlife species observed in the BSA is presented in Appendix D, Wildlife Species Compendium.

2.2.4 Special-Status Plant and Wildlife Species Assessment

For the purposes of this assessment, special-status species include those that are (1) listed, proposed for listing, or candidates for listing under the federal Endangered Species Act as threatened or endangered; (2) listed or candidates for listing under the California Endangered Species Act as threatened or endangered; (3) a state fully protected species; (4) a CDFW Species of Special Concern; or (5) a species listed on the CNPS Inventory of Rare and Endangered Plants with a California Rare Plant Rank of 1 or 2. Sensitive vegetation communities are those communities identified as high priority for inventory in CDFW's Natural Communities List (CDFW 2024b), which is based on A Manual of California Vegetation (Sawyer et al. 2009), by a state rarity ranking of S1, S2, or S3.

2.2.5 Aquatic Resources Delineation

A U.S. Army Corps of Engineers-level aquatic resources delineation was performed as part of this biological assessment. Potential for jurisdictional features regulated by the U.S. Army Corps of Engineers, CDFW, and the Regional Water Quality Control Board to be present within the BSA was determined based on a review of the USGS National Hydrography Dataset and the National Wetlands Inventory, and the results of the reconnaissance survey. These findings can be found in a separate standalone report (Dudek 2024).

2.2.6 Survey Limitations

Several limitations were in effect when conducting the reconnaissance survey. Limitations of the field surveys included a diurnal bias for most wildlife species and the absence of focused trapping for mammals and reptiles because trapping is generally only performed for select listed species. The survey was conducted during the daytime to maximize visibility and detection of plants and most animals. As such, birds represent the largest component of vertebrate fauna recorded during the surveys because they are usually most active during daytime hours. In contrast, daytime surveys usually result in few observations of mammals, many of which may only be active at night, particularly rodent and bat species. Therefore, identification of mammals primarily relied on detection of surface signs such as scat, burrows, and tracks. Many species of reptiles and amphibians are similarly nocturnal and/or secretive in their habits and are difficult to observe using meandering transects. Despite these limitations, the survey work conducted in the BSA provides an adequate overall assessment of floral and faunal resources for purposes of evaluating potential biological constraints.

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3 Results

3.1 Environmental Setting

3.1.1 Land Use

The BSA is located southeast of the intersection of Beauchamp Drive and East Camp Road in unincorporated Colusa County, California. The BSA is currently composed of orchards, paved roads, single-family homes, and the Cortina Substation. Surrounding land uses include scattered rural single-family homes, agricultural lands, irrigation ditches, and electrical infrastructure.

3.1.2 Climate

The BSA is within the northern Central Valley, approximately 4 miles southwest of Williams, California, which has a temperate climate with hot, dry summers (Kottek et al. 2006). Temperatures in Williams range from an average low of 36°F in January to an average high of 97°F in July; precipitation primarily occurs from November to April and typically averages 15.6 inches per year (WRCC 2024).

3.1.3 Soil and Terrain

The BSA is flat with only a minor change in elevation throughout. Elevation across the BSA ranges from approximately 140 feet to 160 feet above mean sea level.

According to the U.S. Department of Agriculture Natural Resources Conservation Service Web Soil Survey, two soil types occur within the BSA (see Figure 2, Soils). These soil type characteristics are summarized in Table 2.

Table 2. Summary of Soil Units in the Project Study Area

Soil Map Unit Name	Landform	Use	Drainage Class	Acres
Myers Clay, 0-2 percent slopes	Flood basins and alluvial fans	Dry farmed grain, irrigated row, field crops, and rice	Well to moderately well drained	32.1
Mallard Clay Loam, 0-1 percent slopes	Alluvial fans	Cropland	Somewhat poorly drained	8.1
			Total	**40.2**

Source: USDA 2024.

3.1.4 Hydrology and Watershed

The BSA is within the Freshwater Creek watershed and Salt Creek subwatershed (see Figure 3, Hydrologic Resources) and is in the Sacramento Valley, which begins at Shasta Lake in the north and extends south to the Sacramento/San Joaquin Delta. The Sacramento Valley is approximately 3.5 million acres and is most characterized by the agricultural working landscape that lies between the foothills of the Sierra Nevada on the east and the Coast Ranges on the west. Nearly 2 million acres in the valley are used for irrigated crops, including orchards

(stone fruit and nuts), rice, grain, pasture, vineyards, tomatoes, and a variety of other field crops (Sacramento River Watershed Program 2024).

The BSA does not occur within a Federal Emergency Management Agency flood hazard zone. Additionally, the National Hydrography Dataset and the National Wetlands Inventory do not show any aquatic features within or adjacent to the BSA (FEMA 2024, USGS 2023, USFWS 2024b; Figure 3).

3.2 Vegetation Communities and Land Covers

The BSA is dominated by orchards, with disturbed habitat and urban/developed areas also present. A description of the vegetation community and land cover types found within the BSA is provided in detail below. Figure 4, Vegetation Communities and Land Cover Types, illustrates the distribution, and Table 3 provides a summary of each type within the BSA.

Table 3. Vegetation Communities and Land Covers within the Biological Study Area

Vegetation Community/Land Cover	Total Acreage
Orchards	26.1
Disturbed Habitat	9.0
Urban/Developed	5.1
Total	**40.2**

3.2.1 Vegetation Communities and Land Cover Types

3.2.1.1 Orchards

Orchards are typically characterized by the removal and replacement of native vegetation communities by irrigated row crops. This community is a result of a heavily disturbed BSA that has been historically farmed, altering the soils and removing native seed sources from areas formerly supporting native vegetation. This vegetation community was found throughout BSA including along the gen-tie route. Dominant species within this land cover included cultivated almond (*Prunus dulcis*) orchards with cheeseweed mallow (*Malva parviflora*), rose clover (*Trifolium hirtum*), stickywilly (*Galium aparine*), and onesided bluegrass (*Poa secunda*) dispersed intermittently throughout.

3.2.1.2 Disturbed Habitat

Disturbed habitat was found along the northern side of the gen-tie route within the BSA. These areas were previously cleared of vegetation allowing ruderal species to dominate the areas. Dominant species within the disturbed habitat were all non-native and included field bindweed (*Convolvulus arvensis*), perennial rye grass (*Festuca perennis*), ripgut brome (*Bromus diandrus*), yellow star-thistle (*Centaurea solstitialis*), black mustard (*Brassica nigra*), and soft brome (*Bromus hordeaceus*).

3.2.1.3 Urban/Developed

Urban/developed land cover typically contains a mixture of constructed materials and vegetation, with impervious surfaces accounting for less than 20% of total cover. These areas most commonly include large-lot, single-family housing units and vegetation planted in developed settings for recreation and erosion control (NLCD 2011). Within the BSA, urban/developed land takes the form of Beauchamp Drive that crosses through the gen-tie, the substation where the gen-tie would tie into, and a large-lot single-family home.

3.3 Aquatic Resources Delineation

A formal aquatic resource delineation was performed as part of this biological assessment. Detailed results of that assessment can be found in a standalone report for the project (Dudek 2024).

3.4 Wildlife Corridors and Habitat Linkages

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Corridors can also be aquatic resources that provide passage for fish. Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as steppingstones for wildlife dispersal.

On a regional level, the BSA is within the Sacramento Valley, an area with a high concentration of agricultural operations and anthropogenically-altered vegetation complexes. The BSA is mainly orchards and is surrounded by scattered rural single-family homes, irrigated agriculture, and electrical infrastructure. Project activities are expected to inhibit some terrestrial wildlife movement due to project fencing preventing wildlife from passing through the BSA. Construction activities and traffic are not expected to impact wildlife movement outside of the fencing constraint because most mammalian movement passage occurs during twilight hours or throughout the night, which will likely be outside of the proposed hours of project operations. Additionally, surrounding open land would continue to provide opportunist foraging for wildlife in the area.

3.5 Other Areas of Conservation Concern

The BSA is not within any habitat conservation plan areas or USFWS-designated critical habitats (USFWS 2024a).

3.6 Plants

A total of 29 species of vascular plants, including 5 native species, were recorded during the reconnaissance survey. The complete list of plant species identified can be found in Appendix C.

3.6.1 Special-Status Plant Species

Based on Dudek's literature review (see Appendix A) and associated habitat suitability analysis, a total of 20 special-status plant species were identified as having been previously documented within the 9 USGS quadrangles surrounding the BSA. Of these species, none have potential to occur within the BSA due to lack of suitable habitat and/or the BSA being outside the known elevation range for the species (Table 4).

The BSA does not occur within USFWS-designated critical habitat for any federally listed plant species. No plant species listed or proposed for listing as rare, threatened, or endangered by the CDFW or USFWS were detected within the BSA during the reconnaissance surveys conducted by Dudek in May 2024.

Table 4. Special-Status Plant Species Occurrence Potential within the Biological Study Area

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Plants				
Amsinckia lunaris	bent-flowered fiddleneck	None/None/1B.2	Cismontane woodland, coastal bluff scrub, valley and foothill grassland/ annual herb/Mar–June/10–1640	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Astragalus rattanii var. *jepsonianus*	Jepson's milk-vetch	None/None/1B.2	Chaparral, Cismontane woodland, valley and foothill grassland; serpentinite (often)/annual herb/Mar–June/ 970–2,295	**Not expected to occur.** Suitable habitat for this species is not present and the BSA is outside of the species' known elevation range.
Astragalus tener var. *ferrisiae*	Ferris' milk-vetch	None/None/1B.1	Meadows and seeps (vernally mesic), valley and foothill grassland (subalkaline flats)/annual herb/Apr–May/5–245	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Atriplex depressa	brittlescale	None/None/1B.2	Chenopod scrub, meadows and seeps, playas, valley and foothill grassland, vernal pools; alkaline, clay/annual herb/Apr–Oct/5–1,050	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Atriplex persistens	vernal pool smallscale	None/None/1B.2	Vernal pools (alkaline)/annual herb/ June–Oct/35–375	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Castilleja rubicundula var. *rubicundula*	pink creamsacs	None/None/1B.2	Chaparral (openings), Cismontane woodland, meadows and seeps, valley and foothill grassland; serpentinite/ annual herb (*hemiparasitic*)/Apr–June/ 65–2,985	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Centromadia parryi ssp. *parryi*	papoose tarplant	None/None/1B.2	Chaparral, coastal prairie, marshes, and swamps (coastal salt), meadows and seeps, valley and foothill grassland (vernally mesic); alkaline (often)/annual herb/May–Nov/0–1,380	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.

Table 4. Special-Status Plant Species Occurrence Potential within the Biological Study Area

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Chloropyron palmatum	palmate-bracted bird's-beak	FE/SE/1B.1	Chenopod scrub, valley and foothill grassland; alkaline/annual herb (hemiparasitic)/May–Oct/15–510	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Cryptantha excavata	deep-scarred cryptantha	None/None/1B.1	Cismontane woodland (gravelly, sandy)/annual herb/Apr–May/ 330–1,640	**Not expected to occur.** Suitable habitat for this species is not present and the BSA is outside of the species' known elevation range.
Extriplex joaquinana	San Joaquin spearscale	None/None/1B.2	Chenopod scrub, meadows and seeps, playas, valley and foothill grassland; alkaline/annual herb/Apr–Oct/5–2,740	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Fritillaria pluriflora	adobe-lily	None/None/1B.2	Chaparral, Cismontane woodland, valley and foothill grassland; Adobe (often)/ perennial bulbiferous herb/Feb–Apr/ 195–2,315	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Heteranthera dubia	water star-grass	None/None/2B.2	Marshes and swamps (alkaline, still, slow-moving water); alkaline/perennial herb (aquatic)/July–Oct/100–4,905	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Horkelia bolanderi	Bolander's horkelia	None/None/1B.2	Chaparral, lower montane coniferous forest, meadows and seeps, valley and foothill grassland; edges, vernally mesic/perennial herb/(May) June–Aug/ 1,475–3,610	**Not expected to occur.** Suitable habitat for this species is not present and the BSA is outside of the species' known elevation range.
Lasthenia glabrata ssp. *coulteri*	Coulter's goldfields	None/None/1B.1	Marshes and swamps (coastal salt), playas, vernal pools/annual herb/ Feb–June/5–4,005	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Layia septentrionalis	Colusa layia	None/None/1B.2	Chaparral, Cismontane woodland, valley and foothill grassland; sandy, serpentinite/annual herb/Apr–May/ 330–3,595	**Not expected to occur.** Suitable habitat for this species is not present and the BSA is outside of the species' known elevation range.

Table 4. Special-Status Plant Species Occurrence Potential within the Biological Study Area

Scientific Name	Common Name	Status (Federal/State/ CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Navarretia leucocephala ssp. *bakeri*	Baker's navarretia	None/None/1B.1	Cismontane woodland, lower montane coniferous forest, meadows and seeps, valley and foothill grassland, vernal pools; mesic/annual herb/Apr–July/ 15–5,710	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Navarretia nigelliformis ssp. *radians*	shining navarretia	None/None/1B.2	Cismontane woodland, valley and foothill grassland, vernal pools; clay (sometimes)/annual herb/ (Mar) Apr–July/215–3,280	**Not expected to occur.** Suitable habitat for this species is not present and the BSA is outside of the species' known elevation range.
Puccinellia simplex	California alkali grass	None/None/1B.2	Chenopod scrub, meadows and seeps, valley and foothill grassland, vernal pools; alkaline, flats, lake margins, vernally mesic/annual herb/Mar–May/ 5–3,050	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.
Sidalcea keckii	Keck's checkerbloom	FE/None/1B.1	Cismontane woodland, valley and foothill grassland; clay, serpentinite/annual herb/Apr–May (June)/245–2,135	**Not expected to occur.** Suitable habitat for this species is not present and the BSA is outside of the species' known elevation range.
Trichocoronis wrightii var. *wrightii*	Wright's trichocoronis	None/None/2B.1	Marshes and swamps, meadows and seeps, riparian forest, vernal pools; alkaline/annual herb/May–Sep/ 15–1,425	**Not expected to occur.** Suitable habitat for this species is not present within the BSA.

Source: USFWS 2024a; CDFW 2024a; CNPS 2024.
Notes: BSA = biological study area.
Status Legend
None: No status
Federal
FE: Federally listed as endangered
State
SE: State listed as endangered

CRPR: California Rare Plant Rank
1B: Plants rare, threatened, or endangered in California and elsewhere
2B: Plants rare, threatened, or endangered in California but more common elsewhere
Threat Rank:
0.1 – Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
0.2 – Moderately threatened in California (20%–80% occurrences threatened/moderate degree and immediacy of threat)

3.7 Wildlife

A total of 11 wildlife species and/or their signs were recorded in the BSA during the reconnaissance survey (Appendix D). Small mammal burrows were noted within the BSA. No special-status species were observed during the reconnaissance survey. The potential for special-status species to occur within the BSA is discussed in further detail below.

3.7.1 Special-Status Wildlife Species

Based on database reviews, 24 special-status wildlife species have the potential to occur within the BSA. For each species listed, a determination was made regarding potential use within the BSA based initially on desktop, USFWS Information for Planning and Consultation, and CNDDB reviews (see Appendix A). After initial desktop and literature review, site-specific information was gathered during the reconnaissance survey to assess special-status species' potential to occur within the BSA. Location of the BSA, vegetation communities and land covers, current site conditions, each species' known range, species' habitat preferences, and knowledge of the species' relative distributions in the area were considered when assessing potential to occur.

It was determined that six special-status wildlife species have a low to moderate potential to occur, roost, forage, or nest within the BSA. Figure 5, CNDDB Occurrences, depicts where CDFW special-status species have been detected or observed within the BSA and/or within 5 miles of the BSA. Table 5 summarizes the regulatory status, habitat, and potential for each of the species identified by USFWS and CDFW to potentially occur in the BSA or surrounding radius. State or federally listed species with moderate potential to occur, roost, forage, or nest are discussed in greater detail below.

Table 5. Special-Status Wildlife Species Occurrence Potential within the Biological Study Area

Scientific Name	Common Name	Status (Federal/ State)	Habitat	Potential to Occur
Amphibians				
Ambystoma californiense pop. 1	California tiger salamander—central California DPS	FT/ST	Annual grassland, valley—foothill hardwood, and valley–foothill riparian habitats; vernal pools, other ephemeral pools, and (uncommonly) along stream courses and human-made pools if predatory fishes are absent	**Not expected to occur.** Suitable aquatic habitat is not present for this species within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Rana boylii pop. 1	foothill yellow-legged frog—north coast DPS	None/SSC	Rocky streams and rivers with open banks in forest, chaparral, and woodland	**Not expected to occur.** Suitable aquatic habitat is not present for this species within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Spea hammondii	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley—foothill woodlands, pastures, and other agriculture	**Not expected to occur.** Suitable aquatic habitat is not present for this species within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Reptiles				
Thamnophis gigas	giant garter snake	FT/ST	Freshwater marsh habitat and low-gradient streams; also uses canals and irrigation ditches	**Not expected to occur.** Suitable aquatic habitat is not present for this species within the BSA. A CNDDB search shows the nearest recorded occurrence of this species is 2 miles north of the BSA. However, the date of this observation is not provided in CNDDB.
Actinemys marmorata	northwestern pond turtle	FPT/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent	**Not expected to occur.** Suitable aquatic habitat is not present for this species within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.

Table 5. Special-Status Wildlife Species Occurrence Potential within the Biological Study Area

Scientific Name	Common Name	Status (Federal/ State)	Habitat	Potential to Occur
			uplands used for nesting and during winter	
Birds				
Agelaius tricolor (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	**Not expected to nest; low potential to forage.** No nesting habitat is present within the BSA; however, the BSA does provide suitable foraging habitat. A CNDDB search shows the nearest recorded occurrence of this species is 2.1 miles northeast of the BSA in 1936.
Aquila chrysaetos (nesting and wintering)	golden eagle	None/FP, WL	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats	**Not expected to nest or forage.** No nesting or foraging habitat is present within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Athene cunicularia (burrow sites and some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	**Moderate potential to nest and forage.** Disturbed area along gen-tie route could provide suitable nesting and foraging habitat for this species. Additionally, burrows suitable for burrowing owl were observed during the reconnaissance survey. A CNDDB search shows the nearest recorded occurrence of this species is 0.5 miles southwest of the BSA in 1992.
Buteo swainsoni (nesting)	Swainson's hawk	None/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas	**Moderate potential to nest and forage.** Orchards could provide suitable nesting habitat for this species with the open disturbed area along gen-tie providing marginal foraging habitat. A CNDDB search shows the nearest recorded occurrence of this

Table 5. Special-Status Wildlife Species Occurrence Potential within the Biological Study Area

Scientific Name	Common Name	Status (Federal/ State)	Habitat	Potential to Occur
			such as wheat and alfalfa fields and pasture	species is 3.3 miles southeast of the BSA in 2009.
Coccyzus americanus occidentalis (nesting)	western yellow-billed cuckoo	FT/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	**Not expected to nest or forage.** BSA does not provide suitable nesting or foraging habitat for this species. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Elanus leucurus (nesting)	white-tailed kite	None/FP	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	**Not expected to nest; low potential to forage.** Preferred nesting habitat for this species is not present within the BSA. However, species may use orchards and disturbed areas along gen-tie for opportunistic foraging. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Melospiza melodia ("Modesto" population)	song sparrow ("Modesto" population)	None/SSC	Nests and forages in emergent freshwater marsh, riparian forest, vegetated irrigation canals and levees, and newly planted valley oak (*Quercus lobata*) restoration sites	**Not expected to nest or forage.** Suitable nesting and foraging habitat for his species is not present within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Riparia riparia (nesting)	bank swallow	None/ST	Nests in riparian, lacustrine, and coastal areas with vertical banks, bluffs, and cliffs with sandy soils; open country and water during migration	**Not expected to nest or forage.** Suitable nesting and foraging habitat for his species is not present within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Fishes				
Acipenser medirostris pop. 1	green sturgeon—southern DPS	FT/None	Spawns in deep pools in large, turbulent, freshwater rivers; adults live in oceanic waters, bays, and estuaries	**No potential to occur.** Aquatic resources preferred by this species are not present within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.

Table 5. Special-Status Wildlife Species Occurrence Potential within the Biological Study Area

Scientific Name	Common Name	Status (Federal/ State)	Habitat	Potential to Occur
Oncorhynchus mykiss irideus pop. 11	steelhead—Central Valley DPS	FT/None	Coastal basins from Redwood Creek south to the Gualala River, inclusive; does not include summer-run steelhead	**No potential to occur.** Aquatic resources preferred by this species are not present within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Spirinchus thaleichthys	longfin smelt	FC/ST	Aquatic, estuary	**No potential to occur.** Aquatic resources preferred by this species are not present within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Mammals				
Corynorhinus townsendii	Townsend's big-eared bat	None/SSC	Mesic habitats characterized by coniferous and deciduous forests and riparian habitat, but also xeric areas; roosts in limestone caves and lava tubes, human-made structures, and tunnels	**Not expected to roost.** Suitable roosting habitat for this species is not present within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Taxidea taxus	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	**Low potential to occur.** Disturbed areas within the orchard and along the gen-tie route could provide suitable habitat for this species. A CNDDB search shows the nearest recorded occurrence of this species is 4.3 miles northeast of the BSA in 2016.
Lasiurus frantzii	western red bat	None/SSC	Forest, woodland, riparian, mesquite bosque, and orchards, including fig, apricot, peach, pear, almond, walnut, and orange; roosts in tree canopy	**Moderate potential to roost.** Orchards within the BSA may provide suitable roosting habitat for this species. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Invertebrates				
Bombus crotchii	Crotch bumble bee	None/SCE	Open grassland and scrub communities supporting suitable floral resources.	**Not expected to occur.** Grassland and scrub communities with suitable floral resources are not present in the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.

Table 5. Special-Status Wildlife Species Occurrence Potential within the Biological Study Area

Scientific Name	Common Name	Status (Federal/ State)	Habitat	Potential to Occur
Branchinecta lynchi	vernal pool fairy shrimp	FT/None	Vernal pools, seasonally ponded areas within vernal swales, and ephemeral freshwater habitats	**Not expected to occur.** No vernal pools are present in the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	FT/None	Occurs only in the Central Valley of California, in association with blue elderberry (*Sambucus nigra* ssp. *caerulea*)	**Not expected to occur.** Blue elderberry is not present within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.
Lepidurus packardi	vernal pool tadpole shrimp	FE/None	Ephemeral freshwater habitats including alkaline pools, clay flats, vernal lakes, vernal pools, and vernal swales	**Not expected to occur.** Aquatic resources required by this species are not present within the BSA. A CNDDB search shows the nearest recorded occurrence of this species is 3.7 miles northeast of the BSA in 1993.
Danaus plexippus plexippus pop. 1	monarch—California overwintering population	FC/None	Wind-protected tree groves with nectar sources and nearby water sources	**Not expected to occur.** Wind-protected tree groves are not present within the BSA. A CNDDB search does not show any occurrences within 5 miles of the BSA.

Sources: CDFW 2024a; USFWS 2024a.
Notes: DPS = distinct population segment; BSA = biological study area; CNDDB = California Natural Diversity Database.
Status Legend
None: No Status
Federal
BCC: USFWS—Birds of Conservation Concern
FC: Candidate for federal listing as threatened or endangered
FE: Federally listed as endangered
FPT: Federally proposed for listing as threatened
FT: Federally listed as threatened
State
FP: CDFW Fully Protected species
SE: State listed as endangered
ST: State listed as threatened
SCE: State candidate for listing as endangered
SSC: California Species of Special Concern
WL: CDFW Watch List species

3.7.1.1 Burrowing Owl

Burrowing owl (*Athene cunicularia*) is a Bird of Conservation Concern and a California Species of Special Concern that has a moderate potential to nest and forage within the BSA. This species prefers open, treeless areas with low, sparse vegetation. It is frequently found in grasslands, pastures, agricultural fields, road embankments, and along canals where California ground squirrel (*Otospermophilus beecheyi*) burrows and erosion create suitable owl burrow sites. Burrowing owls prefer burrows dug by small mammals, such as ground squirrel, for nesting, but will dig their own if necessary. They are diurnal, hunting at all hours close to the ground and feeding on invertebrates and small vertebrates (Cornell Lab of Ornithology 2023). Mitigation measures for this species are detailed in Section 4.1.1.

3.7.1.2 Swainson's Hawk

Swainson's hawk (*Buteo swainsoni*) is a state threatened species that has a moderate potential to nest and forage within the BSA. Preferred nesting habitat for this species includes large, isolated trees in open woodland and savanna riparian habitats, as well as scattered stands of trees near agricultural fields or grasslands. However, this species has been known to use orchards for nesting as well. For foraging, this species favors grasslands and agricultural fields, such as wheat and alfalfa fields or pastures. Swainson's hawks mainly eat mammals and insects, with mammals making up most of their diet, especially during the breeding season (Cornell Lab of Ornithology 2023). Mitigation measures for this species are detailed in Section 4.1.2.

3.7.1.3 Western Red Bat

Western red bat (*Lasiurus frantzii*) is a California Species of Special Concern that has a moderate potential to roost within the BSA. This species is about 4 inches long with orange-brown to yellow-brown fur with a fully furred tail membrane, long pointed wings, and short rounded ears. Western red bats prefer to roost in forests, woodland, riparian, mesquite bosque, and orchards, including walnut and almond. This species forages on moths, beetles, flying ants, and other insects typically 1 hour to 2 hours after sunset (NorCal Bats 2024). Mitigation measures for this species are detailed in Section 4.1.3.

3.7.1.4 Migratory Birds

The BSA supports suitable habitat for migratory nesting bird species including mourning dove (*Zenaida macroura*) who were observed nesting within the BSA. Nesting birds are protected under the Migratory Bird Treaty Act and compliance with these regulations is required. Removal of vegetation considered suitable for nests has the potential to impact these species. Additionally, indirect impacts to nesting birds from short-term, construction-related noise could result in decreased reproductive success or abandonment of an area used for nesting if construction is conducted during the nesting season (i.e., February through August). Mitigation measures for migratory birds are detailed in Section 4.1.5.

4 Conclusion and Recommendations

4.1 Special-Status Wildlife

The project has the potential to impact special-status wildlife species (see Table 4) including nesting/foraging birds, roosting bats, Swainson's hawk, burrowing owl, and American badger (*Taxidea taxus*). The following describes the necessary steps to determine the presence of a special-status species and potential permitting implications.

4.1.1 Burrowing Owl

The BSA consists of areas of suitable habitat for burrowing owl. It is recommended that protocol-level burrowing owl surveys be conducted in accordance with Appendices C and D of the Staff Report on Burrowing Owl Mitigation; California Department of Fish and Wildlife (Staff Report; CDFG 2012). As per Appendix C of the Staff Report, one survey (Phase 1) should be conducted covering all suitable portions of the BSA with potential for burrowing owl to occur. Potential and or known burrowing owl burrows should be recorded using sub-meter GPS and mapped accordingly. Once all data are compiled, follow-up surveys as outlined in Appendix D of the Staff Report should be conducted in breeding and/or non-breeding seasons. The follow-up surveys would only occur where the Phase 1 surveys locate suitably sized burrows (i.e., burrows 11 centimeters or greater in diameter).

Surveys conducted within the breeding season (February 1 through August 31) should be conducted between February 15 and July 15, with one survey conducted prior to April 15 and at least three surveys, conducted at least 3 weeks apart, between April 15 and July 15. Non-breeding season (September 1 to January 31) surveys should be conducted four times and spread evenly throughout the non-breeding season.

Data collected from the above surveys will help CDFW assess the potential impacts, and will help determine avoidance, minimization, and any potential mitigation measures.

4.1.2 Swainson's Hawk

It is recommended that protocol-level surveys are conducted following the methodology recommended by the Swainson's Hawk Technical Advisory Committee for Swainson's hawks in the Central Valley (SHTAC 2000). The protocol is intended to determine the presence of nesting hawks within 0.5 miles of a BSA and ensure that project development does not result in "take" of Swainson's hawks through disruption of nesting or foraging activities.

To determine whether Swainson's hawks are nesting in the vicinity of the BSA, nine surveys, three in four separate survey periods as outlined in the Swainson's Hawk Technical Advisory Committee guidelines (SHTAC 2000), should be conducted, and for at least 4 hours in the morning and 4 hours in the evening on each survey day. The presence of any nesting hawks within 5 miles of the project site, in the years prior to development, could result in applied mitigation ratios for loss of foraging habitat. The Staff Report Regarding Mitigation for Impacts to Swainson's Hawks in the Central Valley of California (CDFG 1994) recommends a 1:1 mitigation ratio for loss of foraging habitat within 1 mile of a site, a 0.75:1 mitigation ratio for loss of foraging habitat within 5 miles of an active nest, and a 0.5:1 mitigation ratio for loss of foraging habitat within 10 miles of an active nest. Therefore, it is important to conduct surveys for this species as soon as possible to determine the potential mitigation ratio for loss of foraging habitat or whether any mitigation is likely to be necessary.

4.1.3 Roosting Bat Surveys

A pre-construction clearance survey for bats should be conducted at least 1 month prior to the start of construction to determine if any bats are currently roosting within the BSA. The pre-construction survey should consist of a day-time roost assessment by a biologist to determine if any bats or sign of active roosting is present. An emergence survey at dusk will be conducted after the roost assessment is completed to observe if any bats are emerging from suitable roost locations within the BSA. Additionally, acoustic monitoring will occur concurrently with the emergence survey to determine if any bats are echolocating within the BSA, identify the echolocating species, and determine the relatively level of bat activity on site. Bat echolocation calls will be analyzed off site using Sonobat software—or equivalent—and manual vetting to identify calls to the species level. If no bats are observed during the pre-construction survey the project may commence without potential impacts to bats.

4.1.4 Special-Status Species Surveys

No specific agency-approved protocol surveys are required for the American badger. To avoid and minimize impacts to special-status species, the following measures are recommended:

- Prior to commencement of construction activities, a special-status wildlife survey is recommended, focusing on the habitat where special-status species are likely to occur within the BSA. These surveys would be conducted in the appropriate season to ensure accurate presence/absence results.
- Already disturbed lands would be used for project activities and staging areas whenever feasible.
- Speed limits within the BSA would not exceed 15 mph.
- Excess light and noise would be minimized, especially if work occurs during the evening when wildlife tends to be more active.
- Coordination with CDFW would occur to obtain relevant information regarding species presence in relation to the BSA and to confirm no additional surveys are required.

4.1.5 Nesting Bird Surveys

Vegetation removal and initial ground-disturbing activities to the extent feasible should occur outside the nesting season, which generally occurs February through August, to avoid potential impacts to nesting birds. This would ensure that no active nests would be disturbed, and that habitat removal could proceed rapidly. If vegetation removal and initial ground-disturbing activities occur during the nesting season, all suitable habitats would be thoroughly surveyed by a qualified biologist for the presence of nesting birds before commencement of clearing. If any active nests are detected, a buffer would be delineated, flagged, and avoided until the nesting cycle is complete, as determined by a qualified biologist.

4.2 Aquatic Resources

No aquatic resources potentially subject to the U.S. Army Corps of Engineers jurisdiction were identified. However, 0.37 acres (12,115.26 linear feet) of non-wetland waters potentially subject to the Regional Water Quality Control Board jurisdiction pursuant to the Porter-Cologne Water Quality Act and CDFW jurisdiction pursuant to California Fish and Game Code Section 1600 were identified. An additional 0.66 acres of aquatic resources may be subject to CDFW jurisdiction only. Findings with regards to federal and state jurisdiction are preliminary until verified by the appropriate agencies (i.e., the U.S. Army Corps of Engineers, the Regional Water Quality Control Board, CDFW).

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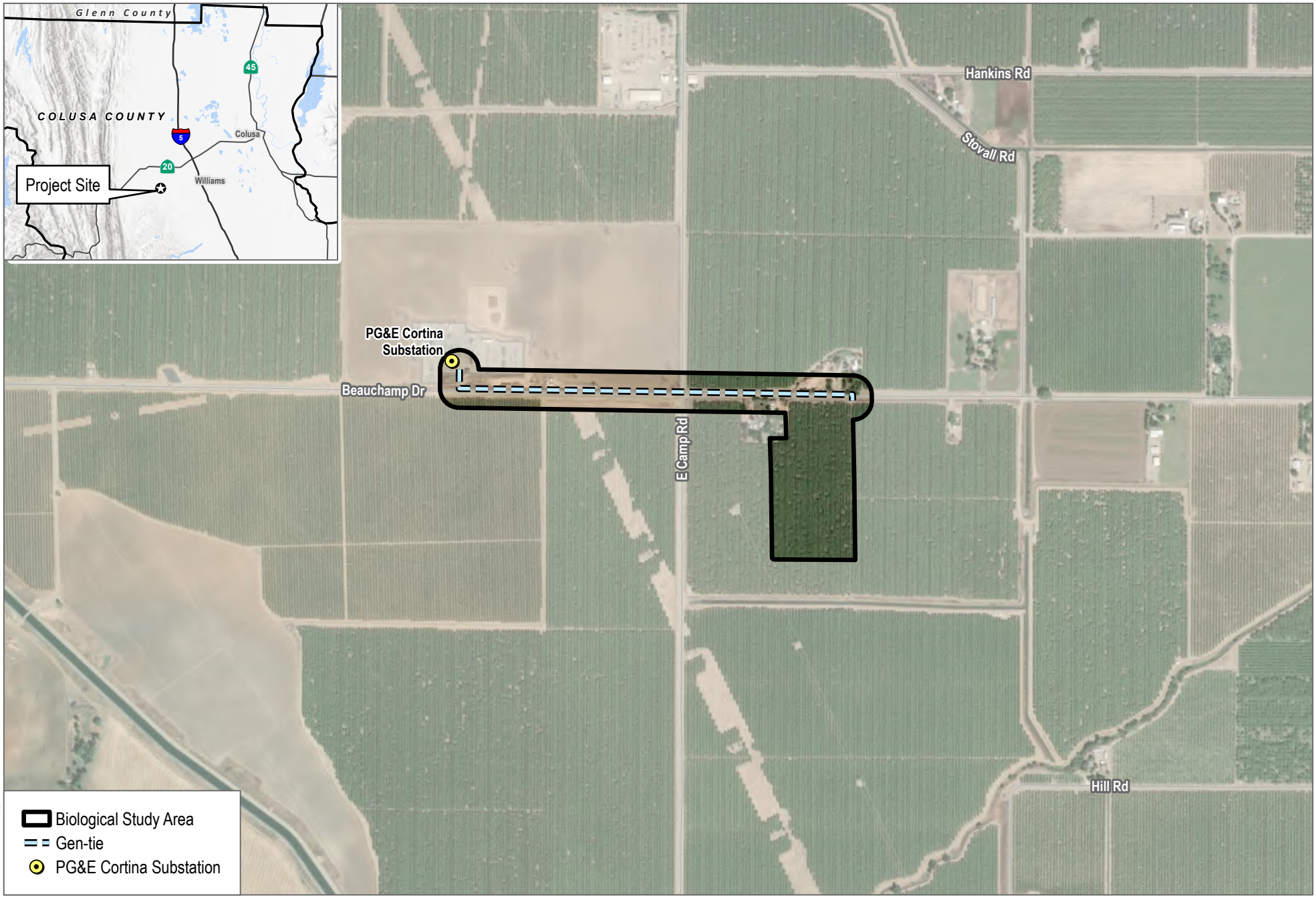
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SOURCE: Maxar 2021; Open Street Map 2023; Platts 2023

DUDEK

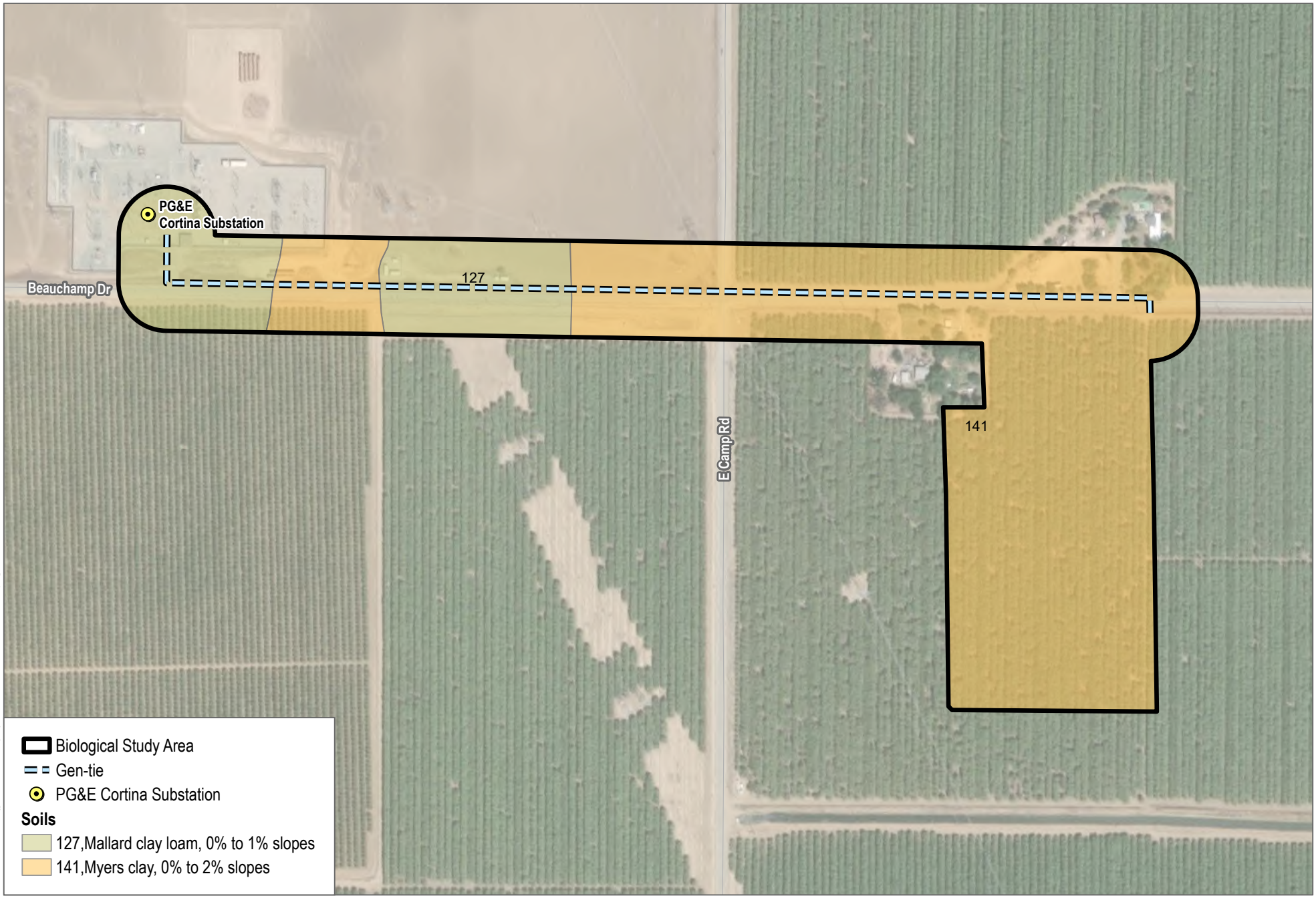
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FIGURE 1

Project Vicinity

Saloon Battery Energy Storage System Project

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SOURCE: Maxar 2021; Open Street Map 2023; USDA SSURGO 2023

DUDEK

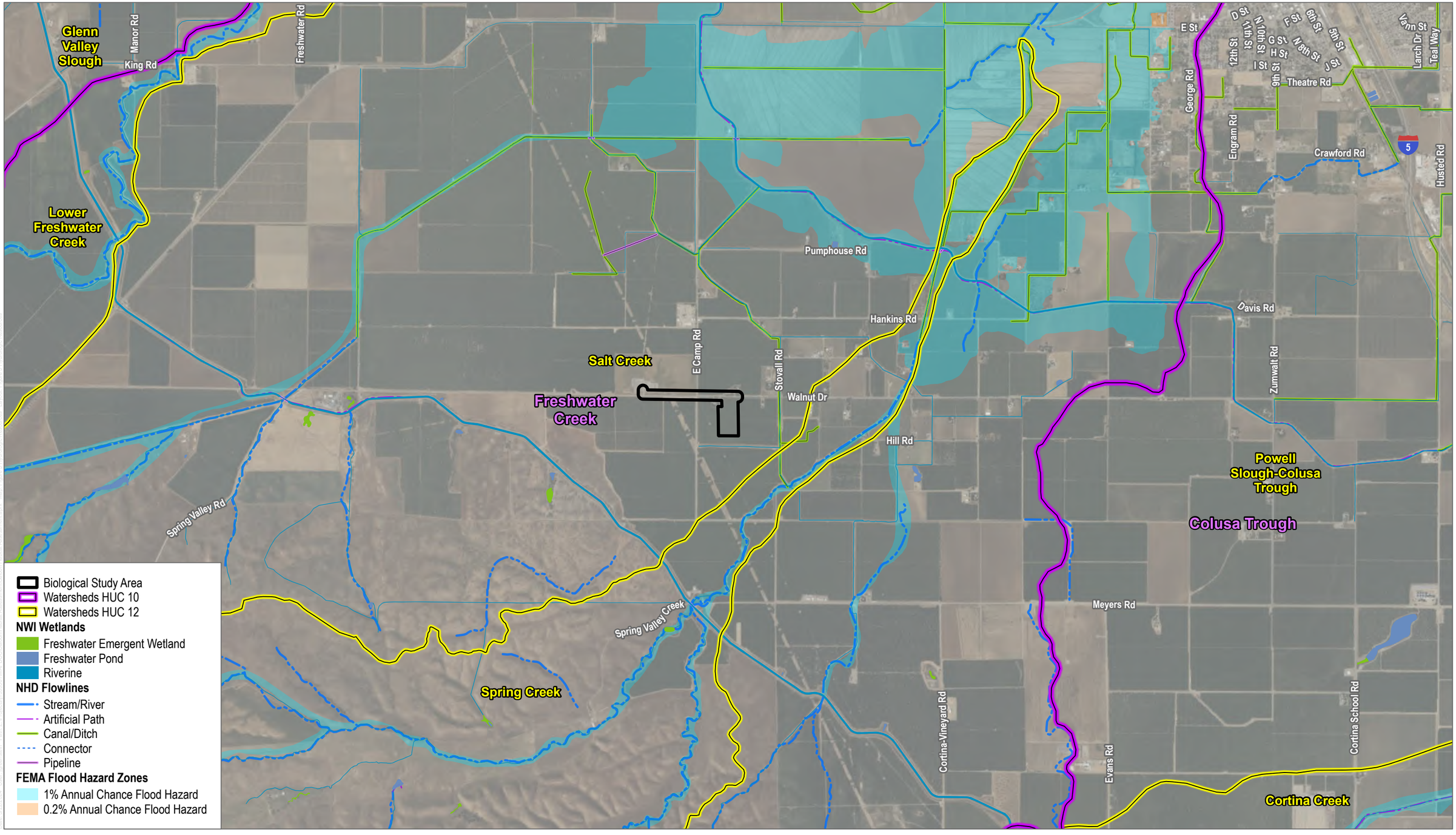
0 200 400 Feet

FIGURE 2

Soils

Saloon Battery Energy Storage System Project

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SOURCE: Bing Maps 2023; FEMA 2024; USGS NHD 2024; USFWS NWI 2024; CA DWR 2024

DUDEK

0 1,250 2,500 Feet

FIGURE 3

Hydrologic Resources

Saloon Battery Energy Storage System Project

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SOURCE: Maxar 2021; Open Street Map 2023

DUDEK

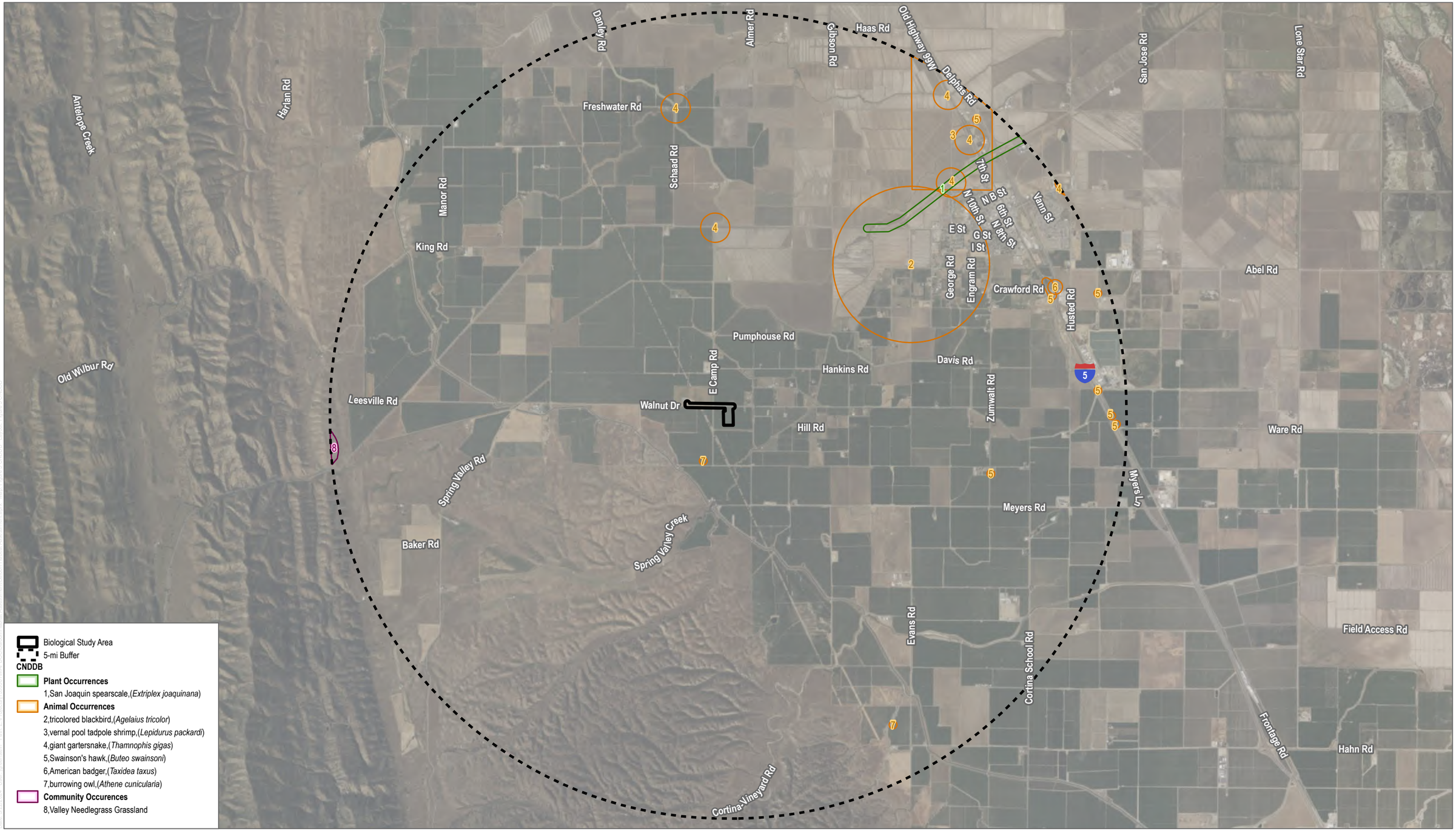
0 200 400 Feet

FIGURE 4

Vegetation Communities and Land Cover Types

Saloon Battery Energy Storage System Project

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SOURCE: Bing Maps 2023; Open Street Map 2023; CA Dept. of Fish and Wildlife 2023

DUDEK

0 2,500 5,000 Feet

FIGURE 5

CNDDB Occurrences

Saloon Battery Energy Storage System Project

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Appendix A
Database Search Results

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

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Location

Colusa County, California



Local office

Sacramento Fish And Wildlife Office

(916) 414-6600
(916) 414-6713

Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

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2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Northern Spotted Owl Strix occidentalis caurina Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/1123	Threatened

Reptiles

NAME	STATUS
Giant Garter Snake Thamnophis gigas Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4482	Threatened
Northwestern Pond Turtle Actinemys marmorata Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1111	Proposed Threatened

Amphibians

NAME	STATUS
California Tiger Salamander Ambystoma californiense There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/2076	Threatened
Western Spadefoot Spea hammondii Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5425	Proposed Threatened

Insects

NAME	STATUS

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Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate
Valley Elderberry Longhorn Beetle Desmocerus californicus dimorphus Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/7850	Threatened

Crustaceans

NAME	STATUS
Vernal Pool Fairy Shrimp Branchinecta lynchi Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/498	Threatened
Vernal Pool Tadpole Shrimp Lepidurus packardi Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/2246	Endangered

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Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

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If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats[3] should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

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For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Belding's Savannah Sparrow *Passerculus sandwichensis beldingi* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8	Breeds Apr 1 to Aug 15
Bullock's Oriole *Icterus bullockii* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 21 to Jul 25
Lawrence's Goldfinch *Spinus lawrencei* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9464	Breeds Mar 20 to Sep 20
Northern Harrier *Circus hudsonius* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8350	Breeds Apr 1 to Sep 15
Nuttall's Woodpecker *Dryobates nuttallii* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9410	Breeds Apr 1 to Jul 20
Santa Barbara Song Sparrow *Melospiza melodia graminea* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/5513	Breeds Mar 1 to Sep 5
Tricolored Blackbird *Agelaius tricolor* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3910	Breeds Mar 15 to Aug 10

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Yellow-billed Magpie Pica nuttalli — Breeds Apr 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9726

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

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Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);

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2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

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The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database

Query Criteria: Quad IS (Cortina Creek (3912212) OR Williams (3912222) OR Colusa (3912221) OR Arbuckle (3912211) OR Wildwood School (3812281) OR Rumsey (3812282) OR Glascock Mtn. (3812283) OR Salt Canyon (3912213) OR Manor Slough (3912223))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Acipenser medirostris pop. 1 green sturgeon - southern DPS	AFCAA01031	Threatened	None	G2T1	S1	SSC
Agelaius tricolor tricolored blackbird	ABPBXB0020	None	Threatened	G1G2	S2	SSC
Ambystoma californiense pop. 1 California tiger salamander - central California DPS	AAAAA01181	Threatened	Threatened	G2G3T3	S3	WL
Amsinckia lunaris bent-flowered fiddleneck	PDBOR01070	None	None	G3	S3	1B.2
Aquila chrysaetos golden eagle	ABNKC22010	None	None	G5	S3	FP
Astragalus rattanii var. jepsonianus Jepson's milk-vetch	PDFAB0F7E1	None	None	G4T3	S3	1B.2
Astragalus tener var. ferrisiae Ferris' milk-vetch	PDFAB0F8R3	None	None	G2T1	S1	1B.1
Athene cunicularia burrowing owl	ABNSB10010	None	None	G4	S2	SSC
Atriplex depressa brittlescale	PDCHE042L0	None	None	G2	S2	1B.2
Atriplex persistens vernal pool smallscale	PDCHE042P0	None	None	G2	S2	1B.2
Bombus crotchii Crotch's bumble bee	IIHYM24480	None	Candidate Endangered	G2	S2	
Buteo swainsoni Swainson's hawk	ABNKC19070	None	Threatened	G5	S4	
Castilleja rubicundula var. rubicundula pink creamsacs	PDSCR0D482	None	None	G5T2	S2	1B.2
Centromadia parryi ssp. parryi pappose tarplant	PDAST4R0P2	None	None	G3T2	S2	1B.2
Chloropyron palmatum palmate-bracted bird's-beak	PDSCR0J0J0	Endangered	Endangered	G1	S1	1B.1
Cicindela hirticollis abrupta Sacramento Valley tiger beetle	IICOL02106	None	None	G5TH	SH	
Coccyzus americanus occidentalis western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
Corynorhinus townsendii Townsend's big-eared bat	AMACC08010	None	None	G4	S2	SSC

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Cryptantha excavata deep-scarred cryptantha	PDBOR0A0W0	None	None	G1	S1	1B.1
Desmocerus californicus dimorphus valley elderberry longhorn beetle	IICOL48011	Threatened	None	G3T3	S3	
Elanus leucurus white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
Emys marmorata western pond turtle	ARAAD02030	Proposed Threatened	None	G3G4	S3	SSC
Extriplex joaquinana San Joaquin spearscale	PDCHE041F3	None	None	G2	S2	1B.2
Falco mexicanus prairie falcon	ABNKD06090	None	None	G5	S4	WL
Fritillaria pluriflora adobe-lily	PMLIL0V0F0	None	None	G2G3	S2S3	1B.2
Great Valley Cottonwood Riparian Forest Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	G2	S2.1	
Great Valley Mixed Riparian Forest Great Valley Mixed Riparian Forest	CTT61420CA	None	None	G2	S2.2	
Heteranthera dubia water star-grass	PMPON03010	None	None	G5	S2	2B.2
Horkelia bolanderi Bolander's horkelia	PDROS0W011	None	None	G1	S1	1B.2
Lasiurus cinereus hoary bat	AMACC05032	None	None	G3G4	S4	
Lasiurus frantzii western red bat	AMACC05080	None	None	G4	S3	SSC
Lasthenia glabrata ssp. coulteri Coulter's goldfields	PDAST5L0A1	None	None	G4T2	S2	1B.1
Layia septentrionalis Colusa layia	PDAST5N0F0	None	None	G2	S2	1B.2
Lepidurus packardi vernal pool tadpole shrimp	ICBRA10010	Endangered	None	G3	S3	
Lytta molesta molestan blister beetle	IICOL4C030	None	None	G2	S2	
Melospiza melodia pop. 1 song sparrow ("Modesto" population)	ABPBXA3013	None	None	G5T3?Q	S3?	SSC
Myotis ciliolabrum western small-footed myotis	AMACC01230	None	None	G5	S3	
Navarretia leucocephala ssp. bakeri Baker's navarretia	PDPLM0C0E1	None	None	G4T2	S2	1B.1
Navarretia nigelliformis ssp. radians shining navarretia	PDPLM0C0J2	None	None	G4T2	S2	1B.2

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Northern Claypan Vernal Pool Northern Claypan Vernal Pool	CTT44120CA	None	None	G1	S1.1	
Oncorhynchus mykiss irideus pop. 11 steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	G5T2Q	S2	SSC
Plegadis chihi white-faced ibis	ABNGE02020	None	None	G5	S3S4	WL
Puccinellia simplex California alkali grass	PMPOA53110	None	None	G2	S2	1B.2
Rana boylii pop. 1 foothill yellow-legged frog - north coast DPS	AAABH01051	None	None	G3T4	S4	SSC
Riparia riparia bank swallow	ABPAU08010	None	Threatened	G5	S3	
Sidalcea keckii Keck's checkerbloom	PDMAL110D0	Endangered	None	G2	S2	1B.1
Spea hammondii western spadefoot	AAABF02020	Proposed Threatened	None	G2G3	S3S4	SSC
Spirinchus thaleichthys longfin smelt	AFCHB03010	Proposed Endangered	Threatened	G5	S1	
Taxidea taxus American badger	AMAJF04010	None	None	G5	S3	SSC
Thamnophis gigas giant gartersnake	ARADB36150	Threatened	Threatened	G2	S2	
Trichocoronis wrightii var. wrightii Wright's trichocoronis	PDAST9F031	None	None	G4T3	S1	2B.1
Valley Needlegrass Grassland Valley Needlegrass Grassland	CTT42110CA	None	None	G3	S3.1	

Record Count: 52

CALIFORNIA NATIVE PLANT SOCIETY

CNPS Rare Plant Inventory

Search Results

41 matches found. Click on scientific name for details

Search Criteria: Quad is one of [3912212:3912211:3912221:3912222:3912213:3912223:3812283:3812282:3812281]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK	CA ENDEMIC	DATE ADDED	PHOTO
Allium fimbriatum var. *purdyi*	Purdy's onion	Alliaceae	perennial bulbiferous herb	Apr-Jun	None	None	G4G5T3	S3	4.3	Yes	1980-01-01	 © 2014 Steve Matson
Amsinckia lunaris	bent-flowered fiddleneck	Boraginaceae	annual herb	Mar-Jun	None	None	G3	S3	1B.2	Yes	1974-01-01	 © 2011 Neal Kramer
Antirrhinum virga	twig-like snapdragon	Plantaginaceae	perennial herb	Jun-Jul	None	None	G3?	S3?	4.3	Yes	1974-01-01	 © 2013 Aaron Schusteff
Astragalus clevelandii	Cleveland's milk-vetch	Fabaceae	perennial herb	Jun-Sep	None	None	G4	S4	4.3	Yes	1974-01-01	No Photo Available
Astragalus rattanii var. *jepsonianus*	Jepson's milk-vetch	Fabaceae	annual herb	Mar-Jun	None	None	G4T3	S3	1B.2	Yes	1988-01-01	No Photo Available
Astragalus tener var. *ferrisiae*	Ferris' milk-vetch	Fabaceae	annual herb	Apr-May	None	None	G2T1	S1	1B.1	Yes	1994-01-01	No Photo Available
Atriplex depressa	brittlescale	Chenopodiaceae	annual herb	Apr-Oct	None	None	G2	S2	1B.2	Yes	1994-01-01	 © 2009 Zoya Akulova
Atriplex persistens	vernal pool smallscale	Chenopodiaceae	annual herb	Jun-Oct	None	None	G2	S2	1B.2	Yes	2001-01-01	No Photo Available

Carex scabriuscula	Siskiyou sedge	Cyperaceae	perennial rhizomatous herb	May-Jul	None	None	G3G4	S4	4.3		1980-01-01	 ©2009 Julie Kierstead Nelson
Castilleja rubicundula var. *rubicundula*	pink creamsacs	Orobanchaceae	annual herb (hemiparasitic)	Apr-Jun	None	None	G5T2	S2	1B.2	Yes	2001-01-01	 ©2010 Vernon Smith
Centromadia parryi ssp. *parryi*	pappose tarplant	Asteraceae	annual herb	May-Nov	None	None	G3T2	S2	1B.2	Yes	2004-01-01	 © 2016 John Doyen
Centromadia parryi ssp. *rudis*	Parry's rough tarplant	Asteraceae	annual herb	May-Oct	None	None	G3T3	S3	4.2	Yes	2007-05-22	 © 2019 John Doyen
Chloropyron palmatum	palmate-bracted bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	May-Oct	FE	CE	G1	S1	1B.1	Yes	1974-01-01	No Photo Available
Clarkia gracilis ssp. *tracyi*	Tracy's clarkia	Onagraceae	annual herb	Apr-Jul	None	None	G5T3	S3	4.2	Yes	2001-01-01	No Photo Available
Collomia diversifolia	serpentine collomia	Polemoniaceae	annual herb	May-Jun	None	None	G4	S4	4.3	Yes	1974-01-01	 ©2019 Zoya Akulova
Cryptantha excavata	deep-scarred cryptantha	Boraginaceae	annual herb	Apr-May	None	None	G1	S1	1B.1	Yes	1974-01-01	No Photo Available
Erythranthe nudata	bare monkeyflower	Phrymaceae	annual herb	May-Jun	None	None	G4	S4	4.3	Yes	1974-01-01	 John Doyen 2015
Extriplex joaquinana	San Joaquin spearscale	Chenopodiaceae	annual herb	Apr-Oct	None	None	G2	S2	1B.2	Yes	1988-01-01	No Photo Available
Fritillaria agrestis	stinkbells	Liliaceae	perennial bulbiferous herb	Mar-Jun	None	None	G3	S3	4.2	Yes	1980-01-01	 © 2016 Aaron Schusteff

Fritillaria pluriflora	adobe-lily	Liliaceae	perennial bulbiferous herb	Feb-Apr	None	None	G2G3	S2S3	1B.2	Yes	1974-01-01	 © 2015 Steve Matson
Fritillaria purdyi	Purdy's fritillary	Liliaceae	perennial bulbiferous herb	Mar-Jun	None	None	G4	S4	4.3		1974-01-01	 Aaron Schusteff, 2004
Galium andrewsii ssp. *gatense*	phlox-leaf serpentine bedstraw	Rubiaceae	perennial herb	Apr-Jul	None	None	G5T3	S3	4.2	Yes	1994-01-01	 © 2021 Steve Matson
Heteranthera dubia	water star-grass	Pontederiaceae	perennial herb (aquatic)	Jul-Oct	None	None	G5	S2	2B.2		2013-10-10	 ©2010 Louis-M. Landry
Horkelia bolanderi	Bolander's horkelia	Rosaceae	perennial herb	(May)Jun-Aug	None	None	G1	S1	1B.2	Yes	1988-01-01	 © 2012 Barry Rice
Lasthenia ferrisiae	Ferris' goldfields	Asteraceae	annual herb	Feb-May	None	None	G3	S3	4.2	Yes	2001-01-01	 © 2009 Zoya Akulova
Lasthenia glabrata ssp. *coulteri*	Coulter's goldfields	Asteraceae	annual herb	Feb-Jun	None	None	G4T2	S2	1B.1		1994-01-01	 © 2013 Keir Morse
Layia septentrionalis	Colusa layia	Asteraceae	annual herb	Apr-May	None	None	G2	S2	1B.2	Yes	1994-01-01	 © 2013 Jake Ruygt
Leptosiphon aureus	bristly leptosiphon	Polemoniaceae	annual herb	Apr-Jul	None	None	G4?	S4?	4.2	Yes	1994-01-01	 © 2007 Len Blumin
Leptosiphon latisectus	broad-lobed leptosiphon	Polemoniaceae	annual herb	Apr-Jun	None	None	G4	S4	4.3	Yes	2001-01-01	 © 2015 Steve Matson

Lomatium hooveri	Hoover's lomatium	Apiaceae	perennial herb	Apr-Jul	None	None	G3	S3	4.3	Yes	1980-01-01	No Photo Available
Malacothamnus helleri	Heller's bush-mallow	Malvaceae	perennial deciduous shrub	May-Jul	None	None	G2Q	S2	3.3	Yes	1974-01-01	 © 2017 Keir Morse
Navarretia jepsonii	Jepson's navarretia	Polemoniaceae	annual herb	Apr-Jun	None	None	G4	S4	4.3	Yes	1974-01-01	 © 2011 Vernon Smith
Navarretia leucocephala ssp. *bakeri*	Baker's navarretia	Polemoniaceae	annual herb	Apr-Jul	None	None	G4T2	S2	1B.1	Yes	1994-01-01	 © 2018 Barry Rice
Navarretia nigelliformis ssp. *nigelliformis*	adobe navarretia	Polemoniaceae	annual herb	Apr-Jun	None	None	G4T3	S3	4.2	Yes	2007-04-02	 © 2008 Zoya Akulova
Navarretia nigelliformis ssp. *radians*	shining navarretia	Polemoniaceae	annual herb	(Mar)Apr-Jul	None	None	G4T2	S2	1B.2	Yes	1994-01-01	No Photo Available
Piperia leptopetala	narrow-petaled rein orchid	Orchidaceae	perennial herb	May-Jul	None	None	G4	S4	4.3	Yes	2001-01-01	No Photo Available
Puccinellia simplex	California alkali grass	Poaceae	annual herb	Mar-May	None	None	G2	S2	1B.2		2015-10-15	 © 2017 Chris Winchell
Senecio clevelandii var. *clevelandii*	Cleveland's ragwort	Asteraceae	perennial herb	Jun-Jul	None	None	G4?T3Q	S3	4.3	Yes	1980-01-01	No Photo Available
Sidalcea keckii	Keck's checkerbloom	Malvaceae	annual herb	Apr-May(Jun)	FE	None	G2	S2	1B.1	Yes	1974-01-01	No Photo Available
Streptanthus barbiger	bearded jewelflower	Brassicaceae	annual herb	May-Jul	None	None	G3	S3	4.2	Yes	2001-01-01	 © 2017 John Doyen
Trichocoronis wrightii var. *wrightii*	Wright's trichocoronis	Asteraceae	annual herb	May-Sep	None	None	G4T3	S1	2B.1		1988-01-01	No Photo Available

Showing 1 to 41 of 41 entries

Suggested Citation:

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website https://www.rareplants.cnps.org [accessed 26 April 2024].

Appendix B
Representative Photos



Photo 1. Representative photo of orchards documented within the biological study area (BSA).



Photo 2. Pacific Gas & Electric substation with disturbed habitat with ruderal species in the foreground.



Photo 3. Coyote (*Canis latrans*) scat was observed throughout the BSA.



Photo 4. Small mammal burrows were observed along the generation interconnect route of the BSA.



Photo 5. Gophersnake (*Pituophis catenifer*) was observed within the BSA.



Photo 6. Burrows potentially suitable for burrowing owl (*Athene cunicularia*) were observed in the disturbed areas within the BSA.



Photo 7. A mourning dove (*Zenaida macroura*) nest within the orchards was found in the BSA.

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Appendix C
Plant Species Compendium

Plant Species

Vascular Species

Eudicots

ASTERACEAE – SUNFLOWER FAMILY

* *Centaurea solstitialis* – yellow star-thistle
* *Lactuca serriola* – prickly lettuce
* *Silybum marianum* – blessed milkthistle
  Xanthium strumarium – cocklebur

BRASSICACEAE – MUSTARD FAMILY

* *Brassica nigra* – black mustard

CONVOLVULACEAE – MORNING-GLORY FAMILY

* *Convolvulus arvensis* – field bindweed

FABACEAE – LEGUME FAMILY

* *Medicago sativa* – alfalfa
* *Trifolium hirtum* – rose clover
* *Vicia villosa* – winter vetch

GERANIACEAE – GERANIUM FAMILY

* *Erodium cicutarium* – redstem stork's bill

JUGLANDACEAE – WALNUT FAMILY

Juglans hindsii – Northern California black walnut

LAMIACEAE – MINT FAMILY

* *Marrubium vulgare* – horehound

MALVACEAE – MALLOW FAMILY

* *Malva parviflora* – cheeseweed mallow

POLYGONACEAE – BUCKWHEAT FAMILY

* *Rumex crispus* – curly dock

ROSACEAE – ROSE FAMILY

* *Prunus dulcis* – sweet almond

RUBIACEAE – MADDER FAMILY

Galium aparine – stickywilly

Monocots

CYPERACEAE – SEDGE FAMILY

Eleocharis macrostachya – pale spike rush

POACEAE – GRASS FAMILY

* *Avena barbata* – slender oat
* *Avena fatua* – wild oat
* *Bromus diandrus* – ripgut brome
* *Bromus hordeaceus* – soft brome
* *Bromus rubens* – red brome
* *Festuca perennis* – perennial rye grass
* *Hordeum marinum* – seaside barley
* *Hordeum murinum* – mouse barley
* *Phalaris aquatica* – Harding grass

Poa secunda – onesided bluegrass

* *Polypogon monspeliensis* – annual rabbitsfoot grass
* *Triticum aestivum* – common wheat

* signifies introduced (non-native) species

Appendix D
Wildlife Species Compendium

Wildlife Species – Vertebrates

Birds

Blackbirds, Orioles and Allies

ICTERIDAE – BLACKBIRDS

Euphagus cyanocephalus – Brewer's blackbird

Bushtits

AEGITHALIDAE – LONG-TAILED TITS AND BUSHTITS

Psaltriparus minimus – bushtit

Finches

FRINGILLIDAE – FRINGILLINE AND CARDUELINE FINCHES AND ALLIES

Haemorhous mexicanus – house finch

Flycatchers

TYRANNIDAE – TYRANT FLYCATCHERS

Sayornis nigricans – black phoebe

Mockingbirds and Thrashers

MIMIDAE – MOCKINGBIRDS AND THRASHERS

Mimus polyglottos – northern mockingbird

Old World Sparrows

PASSERIDAE – OLD WORLD SPARROWS

* *Passer domesticus* – house sparrow

Pigeons and Doves

COLUMBIDAE – PIGEONS AND DOVES

Zenaida macroura – mourning dove

Invertebrates

Bees

APIDAE – BEES

Bombus sp. – bumble bee

Mammals

Canids

CANIDAE – WOLVES AND FOXES

Canis latrans – coyote

Reptiles

Lizards

PHRYNOSOMATIDAE – IGUANID LIZARDS

Sceloporus occidentalis – western fence lizard

Snakes

COLUBRIDAE – COLUBRID SNAKES

Pituophis catenifer – gophersnake

* signifies introduced (non-native) species

Appendix D

Aquatic Resources Delineation Report

Aquatic Resources Delineation Report

Saloon Battery Energy Storage System Project

JUNE 2024

Prepared for:

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APPENDICES

A Plant List
B Antecedent Precipitation Tool Output
C Data Forms
D Review Area Photos

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
APT	Antecedent Precipitation Tool
ARC	antecedent runoff condition
ARDR	Aquatic Resources Delineation Report
CDFW	California Department of Fish and Wildlife
OHWM	ordinary high-water mark
PDSI	Palmer Drought Severity Index
project	Saloon Battery Energy Storage System Project
RWQCB	Regional Water Quality Control Board
USACE	U.S. Army Corps of Engineers

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1 Executive Summary

This Aquatic Resources Delineation Report (ARDR) was prepared in accordance with the U.S. Army Corps of Engineers (USACE) Minimum Standards for Acceptance of Aquatic Resources Delineation Reports (USACE 2016). The field delineation was conducted using the Wetlands Delineation Manual (USACE 1987), Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (USACE 2008a), and A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual (USACE 2008b).

Dudek biologists conducted a field delineation on May 16, 2024, to identify aquatic resources in the approximately 40.24-acre review area potentially subject to regulations per Clean Water Act Sections 401 and 404, the Porter–Cologne Water Quality Control Act, and California Fish and Game Code Section 1602 for the proposed Saloon Battery Energy Storage System Project (project) in Colusa County, California.

No aquatic resources potentially subject to USACE jurisdiction were identified in the review area. The Dudek biologist delineated 0.37 acres (12,115.26 linear feet) of non-wetland waters potentially subject to Regional Water Quality Control Board (RWQCB) jurisdiction pursuant to the Porter-Cologne Water Quality Act and California Department of Fish and Wildlife (CDFW) jurisdiction pursuant to California Fish and Game Code Section 1600. An additional 0.66 acres of aquatic resources may be subject to CDFW jurisdiction only. Findings with regards to federal and state jurisdiction are preliminary until verified by the appropriate agencies (i.e., USACE, RWQCB, CDFW).

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2 Introduction

This ARDR was prepared in accordance with the Minimum Standards for Acceptance of Aquatic Resources Delineation Reports (USACE 2016). This ARDR presents the results of the jurisdictional aquatic resource delineation conducted by Dudek biologists for the proposed project in unincorporated Colusa County, California. The delineation was conducted to identify and map existing aquatic resources potentially subject to the regulatory jurisdiction of USACE pursuant to Clean Water Act Section 404 (33 USC 1344), waters of the state potentially subject to the regulatory jurisdiction of the RWQCB pursuant to Clean Water Act Section 401 and the Porter–Cologne Water Quality Control Act, and stream and riparian habitats potentially subject to the jurisdiction of CDFW pursuant to California Fish and Game Code Section 1602 (collectively defined as jurisdictional aquatic resources).

2.1 Disclaimer Statement

This ARDR presents Dudek's best effort to quantify the extent of aquatic resources potentially regulated by USACE, RWQCB, and CDFW (i.e., regulatory agencies) within the identified review area using the current regulations, written policies, and guidance from these regulatory agencies. The potential jurisdictional boundaries described in this ARDR are subject to verification by the regulatory agencies. Only the regulatory agencies can make a final determination about whether the features present are subject to USACE, RWQCB, and/or CDFW regulation.

2.2 Contact Information

Contact information for the project applicant and agent are provided in Table 1. Access to the review area is not restricted, but if a site visit is requested, the project applicant or agent will accompany regulatory staff to the review area. Q Cells North America is the project applicant and landowner.

Table 1. Contact Information

Project Applicant	Q Cells North America	**Agent**	Dudek
Contact Name	George Gunnoe	**Contact Name**	Michelle Leis
Address	300 Spectrum Center Drive, Suite 1250, Irvine, California 92618	**Address**	1810 13th Street, Suite 110 Sacramento, California 95811
Phone	832.303.2477	**Phone**	760.815.3797
Email	george.gunnoe@qcells.com	**Email**	mleis@dudek.com

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3 Review Area Description and Landscape Setting

3.1 Location

The approximately 40.2-acre review area is in Colusa County, California (Figure 1, Project Location). The review area consists of 12 parcels; Assessor's Parcel Numbers are listed in Table 2. The review area is in Township 15 North, Range 3 West, Section 29 of the 7.5-minute U.S. Geological Survey Cortina Creek quadrangle. The approximate center of the review area corresponds to 39.117202 latitude and -122.21361 longitude (Figure 2, Review Area).

Table 2. Assessor's Parcel Numbers

016-200-026-000	016-270-002-000	016-290-009-000	016-290-041-000
016-290-042-000	016-290-048-000	016-290-053-000	016-290-054-000
016-290-055-000	016-290-056-000	016-290-067-000	016-290-097-000

3.2 Site Access

Regional access from Sacramento to the review area is provided via State Highway 20.

3.3 Geology and Topography

Geology in the review area is classified as marine and nonmarine (continental) sedimentary rocks. Site geology is associated with mostly nonmarine unconsolidated and semi-consolidated alluvium, lake, playa, and terrace deposits, but may include marine deposits near the coast (USGS 2024). Elevation within the review area is approximately 140 to 160 feet above mean sea level. The review area is relatively flat.

3.4 Soils

According to the Natural Resources Conservation Service, there are two soil types mapped in the review area: Myers clay, 0% to 2% slopes, and Mallard clay loam, 0% to 1% slopes. The Myers series consists of very deep, well to moderately drained soils formed in alluvium derived from mixed sources. The Mallard series consists of very deep, somewhat poorly drained soils formed in alluvium from mixed sources. None of the soil types mapped in the review area are considered hydric (USDA 2024a, 2024b). Soil types within the review area are summarized in Table 3 and visually depicted in Figure 3, Soils.

Table 3. Soils in the Review Area

Soil Type	Hydric Rating	Acreage
Myers Clay, 0%–2% slopes	No	32.1
Mallard Clay Loam, 0%–1% slopes	No	8.1

Sources: USDA 2024a, 2024b

3.5 Vegetation

A total of 29 species of native or naturalized plants, 5 native (17%) and 24 non-native (83%), were recorded in the review area. A list of plant species identified during the field delineation, including the assigned wetland indicator status for each species, is provided as Appendix A, Plant List.

One vegetation community and two land cover types were documented in the review area: orchards, disturbed habitat, and urban/developed. No natural vegetation communities were identified in the review area. Vegetation communities and land cover types are described fully in the project's Habitat Assessment (Dudek 2024).

3.6 Hydrology

The review area occurs in the Freshwater Creek watershed and Salt Creek subwatershed (Hydrologic Unit Codes 1802010407 and 180201040703, respectively). The review area is in the Sacramento Valley, which begins at Shasta Lake in the north and extends south to the Sacramento/San Joaquin Delta. Surface run-off in the review area is generally directed into constructed drainage ditches.

The U.S. Fish and Wildlife Service's National Wetlands Inventory and the U.S. Geological Survey's National Hydrography Dataset do not identify any features in the review area (USFWS 2024; USGS 2023). The review area is not within a Federal Emergency Management Agency flood hazard zone (FEMA 2024) (Figure 4, Hydrologic Resources).

3.7 Current and Past Land Use or Alterations

The review area is currently composed of orchards, paved roads, single-family homes, and the Cortina Substation. Surrounding land uses include scattered, rural single-family homes, agricultural lands, irrigation ditches, and electrical infrastructure. Aerial imagery from the late 1950s to present shows minimal changes in land cover, with the exception of the expansion of Cortina Substation (Google Earth 2024; Historic Aerials 2024).

4 Precipitation Data and Analysis

4.1 Regional

The USACE-developed Antecedent Precipitation Tool (APT) was used to assess whether the delineation date occurred in a drier, average, or wetter than normal period (USACE 2024a). To determine what constitutes a "typical year," USACE developed the APT. The information generated from the APT can help to determine whether normal hydrologic and/or climatic conditions were present during the site visit, and to assist with completing the Wetland Determination Data Form.

The APT provides three climatological parameters: Palmer Drought Severity Index (PDSI), season, and antecedent precipitation condition. The PDSI is a standardized index calculated on a monthly basis, with PDSI value outputs ranging from -4 (extreme drought) to +4 (very wet) (NOAA 2024) to assess drought conditions (i.e., PDSI Class). The APT determines wet vs. dry season based on related procedures provided in the applicable regional supplement for the review area (in this case, the Arid West Supplement [USACE 2008a]). If the antecedent runoff condition (ARC) score is less than 10, conditions are classified as drier than normal; if the ARC score is 10 to 14 then conditions are normal; if the ARC score is greater than 14 then conditions are wetter than normal (USACE 2024a).

Table 4 summarizes the key data extrapolated from the APT output: estimated drought conditions (PDSI Class), wet or dry season determination, ARC score, and the antecedent precipitation condition. Based on the APT output provided in Appendix B and summarized in Table 4, the precipitation and climatic conditions for the review area were normal during the time of the delineation. The APT is less likely to consider extreme precipitation events that are highly localized when incorporating data from weather stations outside of the drainage area.

Table 4. Antecedent Precipitation Tool Data for the Review Area

Field Survey Date	PDSI Class	Season	ARC Score	Antecedent Precipitation Condition
5/16/2024	Incipient Wetness	Dry Season	14	Normal

Notes: PDSI = Palmer Drought Severity Index; ARC = antecedent runoff condition

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5 Investigation Methods

The jurisdictional delineation was conducted by Dudek biologist Allie Sennett on May 16, 2024 (Table 5). Prior to conducting the jurisdictional delineation, National Wetlands Inventory and National Hydrography Dataset data (USFWS 2024; USGS 2023) were reviewed to determine if the review area contained any features. Site-specific topographical data were reviewed in conjunction with aerials, both current and historical, to determine the potential presence of non-wetland waters. Jurisdictional boundaries were mapped in the field using ESRI Field Maps on a mobile device. Remote sensing was not used for the delineation.

Table 5. Schedule of the Aquatic Resources Delineation

Date	Hours	Personnel	Conditions (temperature, skies, wind)
5/16/2024	0945–1400	Allie Sennett	65°F–82°F; 0 to 5 mph winds; 0%–5% cloud cover

5.1 U.S. Army Corps of Engineers

The USACE wetlands delineation was conducted in accordance with the 1987 USACE Wetlands Delineation Manual (USACE 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (USACE 2008a). A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual (USACE 2008b) was used to determine the limits of non-wetland waters. Non-wetland waters were delineated on topographical maps in conjunction with ESRI Collector on a mobile device. The widths of each non-wetland water were determined in the field according to the OHWM manual.

Wetland Determination Forms were completed at certain points within drainages or vegetation communities where a predominance of hydrophytic vegetation was present; hydrology, vegetation, and soils were assessed to determine whether USACE three-parameter wetlands were present. USACE OHWM forms were completed at representative cross-sections of non-wetland waters to capture their characteristics and widths. All data forms can be found in Appendix C.

5.2 Regional Water Quality Control Board

The State Water Resources Control Board defines a water of the state as “any surface water or groundwater, including saline waters, within the boundaries of the state” (California Water Code Section 13050[e]). The State Water Resources Control Board’s definition of a water of the state includes the following (SWRCB 2021):

1. Natural wetlands.
2. Wetlands created by modification of a surface water of the state.
3. Artificial wetlands that meet any of the following criteria:
    a. Approved by an agency as compensatory mitigation for impacts to other waters of the state, except where the approving agency explicitly identifies the mitigation as being of limited duration;
    b. Specifically identified in a water quality control plan as a wetland or other water of the state;
    c. Resulted from historical human activity, is not subject to ongoing operation and maintenance, and has become a relatively permanent part of the natural landscape; or

d. Greater than or equal to 1 acre in size unless the artificial wetland was constructed and is currently used and maintained, primarily for one or more of the following purposes: industrial or municipal wastewater treatment or disposal; settling of sediment; detention, retention, infiltration, or treatment of stormwater runoff and other pollutants or runoff subject to regulation under a municipal, construction, or industrial permitting program; treatment of surface waters; agricultural crop irrigation or stock watering; fire suppression; industrial processing or cooling water; active surface mining – even if the site is managed for interim wetlands functions and values; log storage; treatment, storage, or distribution of recycled water; maximizing groundwater recharge (this does not include wetlands that have incidental groundwater recharge benefits); or fields flooded for rice growing.

All waters of the United States are waters of the state. Wetlands, such as isolated seasonal wetlands, that are not generally considered waters of the United States are considered waters of the state if, "under normal circumstances, (1) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, shallow surface water, or both; (2) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and (3) the area's vegetation is dominated by hydrophytes or the area lacks vegetation" (SWRCB 2021).

Wetlands subject to RWQCB jurisdiction were delineated based on the methodology described in the U.S. Army Corps of Engineers Wetlands Delineation Manual (USACE 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (USACE 2008a). Non-wetland waters subject to RWQCB jurisdiction were delineated based on the presence of an OHWM, as determined using the methodology in A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual (USACE 2008b).

5.3 California Department of Fish and Wildlife

In Title 14 of the California Code of Regulations, Section 1.56, CDFW's definition of "lake" includes "natural lakes or man-made reservoirs." Diversion, obstruction, or change to the natural flow or bed, channel, or bank of any river, stream, or lake that supports fish or other aquatic wildlife requires authorization from CDFW by entering into an agreement pursuant to California Fish and Game Code Section 1602. In Title 14 of the California Code of Regulations, Section 1.72, CDFW defines a "stream" as "a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life. This includes watercourses having a surface or subsurface flow that supports or has supported riparian vegetation."

The delineation defined areas under the jurisdiction of CDFW pursuant to California Fish and Game Code Sections 1600–1603. CDFW asserts jurisdiction over rivers, streams, and lakes to the extent of the top of bank. The term "bank" is interpreted to encompass the physical bank of the stream that rises vertically above and horizontally away from it (Vyverberg 2010). The top of bank was mapped as the physical break in slope between the channel or lake and surrounding upland. Streambeds or lakes under the jurisdiction of CDFW were delineated using the Cowardin method of waters classification, which defines waters boundaries by a single parameter (i.e., hydric soils, hydrophytic vegetation, or hydrology) (Cowardin et al. 1979).

Riparian status was determined by the USACE National Wetland Plant List indicator of the dominant species in a community being classified as obligate, facultative wetland, or facultative (USACE 2024a). In general, the change in species cover and/or composition from the surrounding upland to predominantly hydrophytic vegetation was used to determine CDFW regulated riparian areas associated with a stream channel or lake.

6 Aquatic Resources

6.1 Aquatic Resources Data Summary

Results from six transects and two representative data points documented potentially jurisdictional aquatic resources within the review area based on observable field indicators (Table 6). The data collected at each data point and transect are provided in Appendix C. Photos of the review area are provided in Appendix D.

Table 6. Data Point and Transect Summary

Non-Wetland Waters Transect Summary			
Transect	**OHWM Field Indicators**	**Location (Latitude/Longitude)**	**Determination**
T-01	Bed and bank, break in slope (moderate), change in vegetation type and cover, 10% gravel in bed	39.11984174, -122.22400752	DIT-01
T-02	Break in slope (mild), sediment sorting (50% gravel in bed)	39.11969387, -122.22232608	DIT-02
T-03	Break in slope (moderate), change in vegetation and cover, standing water	39.11949631, -122.21795914	BASIN
T-04	Bed and bank, break in slope (moderate), change in vegetation and cover, sediment sorting, standing water	39.11958356, -122.22090247	DIT-03
T-05	Bed and bank, break in slope (moderate), change in vegetation and cover, sediment sorting, standing water or saturation	39.11953168, -122.22111074	DIT-04
T-06	Bed and bank, break in slope (moderate), sediment sorting (50%)	39.11987296, -122.21719739	DIT-05
Wetland Data Point Summary			
Data Point	**Wetland Determination Field Indicators**	**Location (Latitude/Longitude)**	**Determination**
DP-01	Surface soil cracks (B6)	39.12009272, -122.22370941	Upland
DP-02	N/A	39.12011939, -122.22373419	Upland

Note: OHWM = ordinary high-water mark; N/A = not applicable

6.2 Aquatic Resources Narrative

The Dudek biologist delineated approximately 0.37 acres (12,115.26 linear feet) of non-wetland waters (Figure 5, Preliminary Aquatic Resources Delineation). Table 7 provides a summary of aquatic resources delineated in the review area, including Cowardin type (Cowardin et al. 1979; USACE 2024b), location, and acreage/linear feet within the review area. Photos of the potential aquatic features delineated within the review area and additional areas reviewed for the presence of these resources are provided in Appendix D. The locations of these photos are shown in Figure 5.

Table 7. Aquatic Resource Summary for the Review Area

Feature ID	Feature Type	Cowardin Code1	Location (Latitude, Longitude; Decimal Degrees)	Acres2	Linear Feet
Non-Wetland Waters					
DIT-1	Drainage Ditch	R6	39.11978912, -122.2236786	0.04	3,663.67
DIT-2	Drainage Ditch	R6	39.11960220, -122.2206345	0.11	6,444.92
DIT-3	Drainage Ditch	R6	39.11956406, -122.2196274	0.05	1,545.28
DIT-4	Drainage Ditch	R6	39.11949539, -122.2210999	0.00	136.85
DIT-5	Drainage Ditch	R6	39.11984634, -122.2171936	0.01	124.86
B-01	Constructed Basin	PAB	39.11949921, -122.2179108	0.16	199.68
			Total[3]	**0.37**	**12,115.26**

Notes: R6 = riverine, ephemeral; PAB = aquatic bed, palustrine.
1 Pursuant to Classification of Wetlands and Deepwater Habitats of the United States (Cowardin et al. 1979) and USACE Cowardin Codes for ORM Data Entry (USACE 2024b).
2 Acreage is based on the ordinary high-water mark extent.
3 Totals may not sum due to rounding.

6.2.1 Waters of the United States (USACE)

No aquatic resources potentially subject to USACE jurisdiction were identified in the review area. Aquatic resources delineated in the review area consist of constructed stormwater control features, which are described further below. Findings with regards to federal jurisdiction are preliminary until verified by the Sacramento District of USACE.

6.2.2 Waters of the State and Lake/Streambed (RWQCB/CDFW)

The Dudek biologist delineated 0.37 acres (12,115.26 linear feet) of non-wetland waters potentially subject to RWQCB jurisdiction pursuant to the Porter–Cologne Water Quality Act and CDFW jurisdiction pursuant to California Fish and Game Code Section 1600, and 0.82 acres of aquatic resources that may be subject to CDFW jurisdiction. Aquatic resources potentially subject to RWQCB and CDFW jurisdiction are summarized in Table 8 and discussed further below. Findings with regards to state jurisdiction are preliminary until verified by the appropriate agencies.

Table 8. RWQCB and CDFW Aquatic Resource Summary for the Review Area

		RWQCB Jurisdiction (OHWM)		CDFW Jurisdiction (TOB)	
Feature ID	Feature Type	Acres	Linear Feet	Acres	Linear Feet
DIT-1	Drainage Ditch	0.04	1,819.58	0.21	1,844.08
DIT-2	Drainage Ditch	0.11	3,201.91	0.34	3,243.01
DIT-3	Drainage Ditch	0.05	767.15	0.09	778.14
DIT-4	Drainage Ditch	0.00	66.18	0.01	70.68
DIT-5	Drainage Ditch	0.01	56.34	0.02	68.52
B-01	Constructed Basin	0.16	199.68	0.16	199.68
	Total*	**0.37**	**5,911.15**	**0.82**	**6,004.43**

Notes: RWQCB = Regional Water Quality Control Board; CDFW = California Department of Fish and Wildlife; OHWM = ordinary high-water mark; TOB = top of bank
* May not sum due to rounding

6.2.2.1 Drainage Ditch

There are five drainages within the review area: four along Walnut Drive and one between orchards to the west. These drainages function as roadside and agricultural ditches, and are constructed in an upland to collect runoff from Walnut Drive and the adjacent agricultural land.

Approximately 12,115.26 linear feet of drainage ditches are present in the review area. Evidence of an OHWM includes a bed and bank, moderate or break in slope, change in vegetation type and cover, sediment sorting, and saturation or standing water. Dominant plants species present within and along the edge of the drainage include curly dock (*Rumex crispus*; facultative), perennial rye grass (*Festuca perennis*; facultative), and field bindweed (*Convolvulus arvensis*; not listed). Two drainage ditches (DIT-02 and DIT-03) were saturated or had standing water during the May 2024 field survey, and three (DIT-01, DIT-04, and DIT-05) were dry.

6.2.2.2 Constructed Basin

There is one constructed basin within the review area near the intersection of East Camp Road and Walnut Drive. Evidence of an OHWM includes moderate break in slope, change in vegetation and cover, and standing water. During the field survey the basin had standing water.

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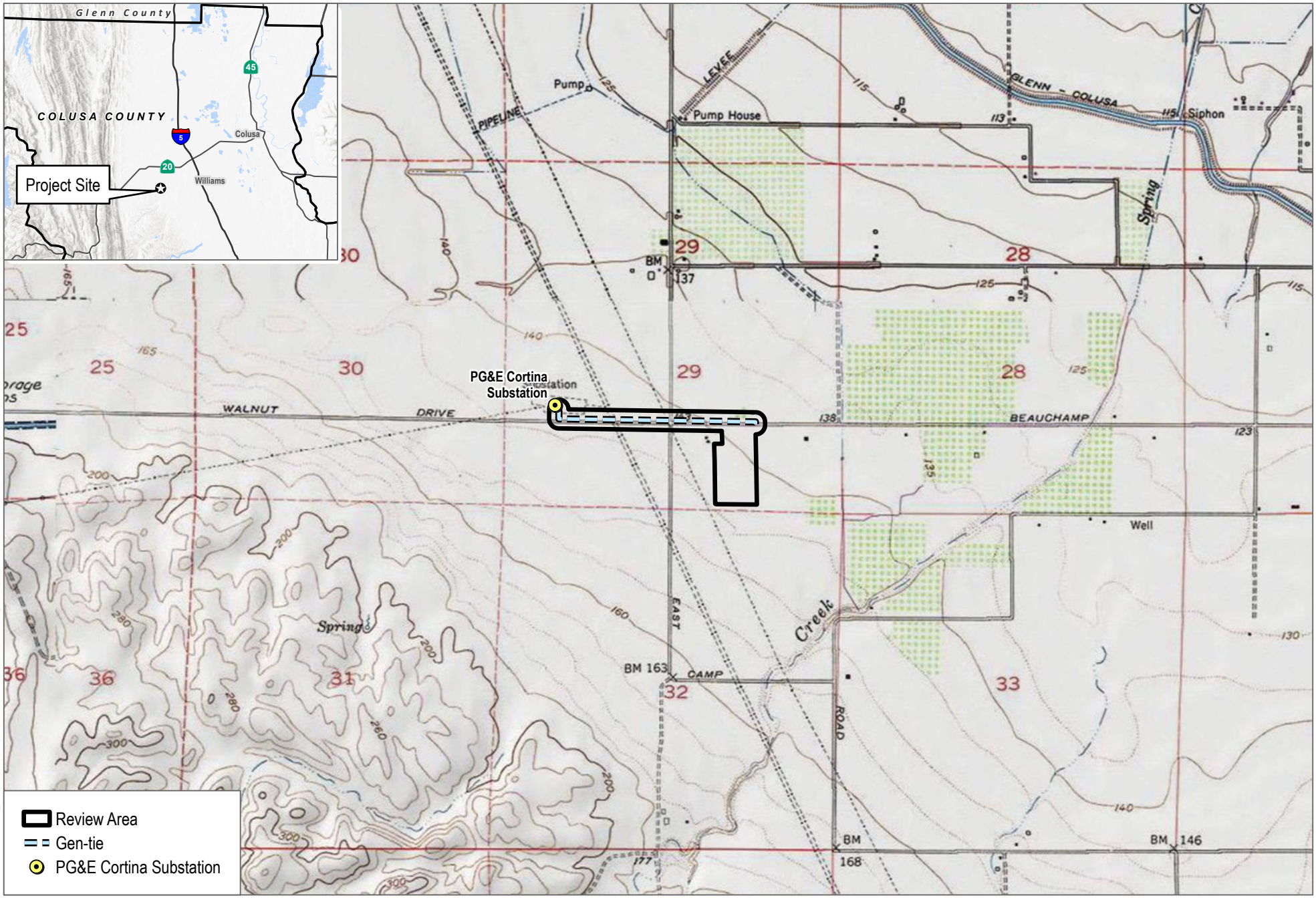
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SOURCE: USGS Topo Map Series

DUDEK

0 500 1,000 Feet

FIGURE 1

Project Location

Saloon Battery Energy Storage System Project

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SOURCE: Maxar 2021; Open Street Map 2023

DUDEK

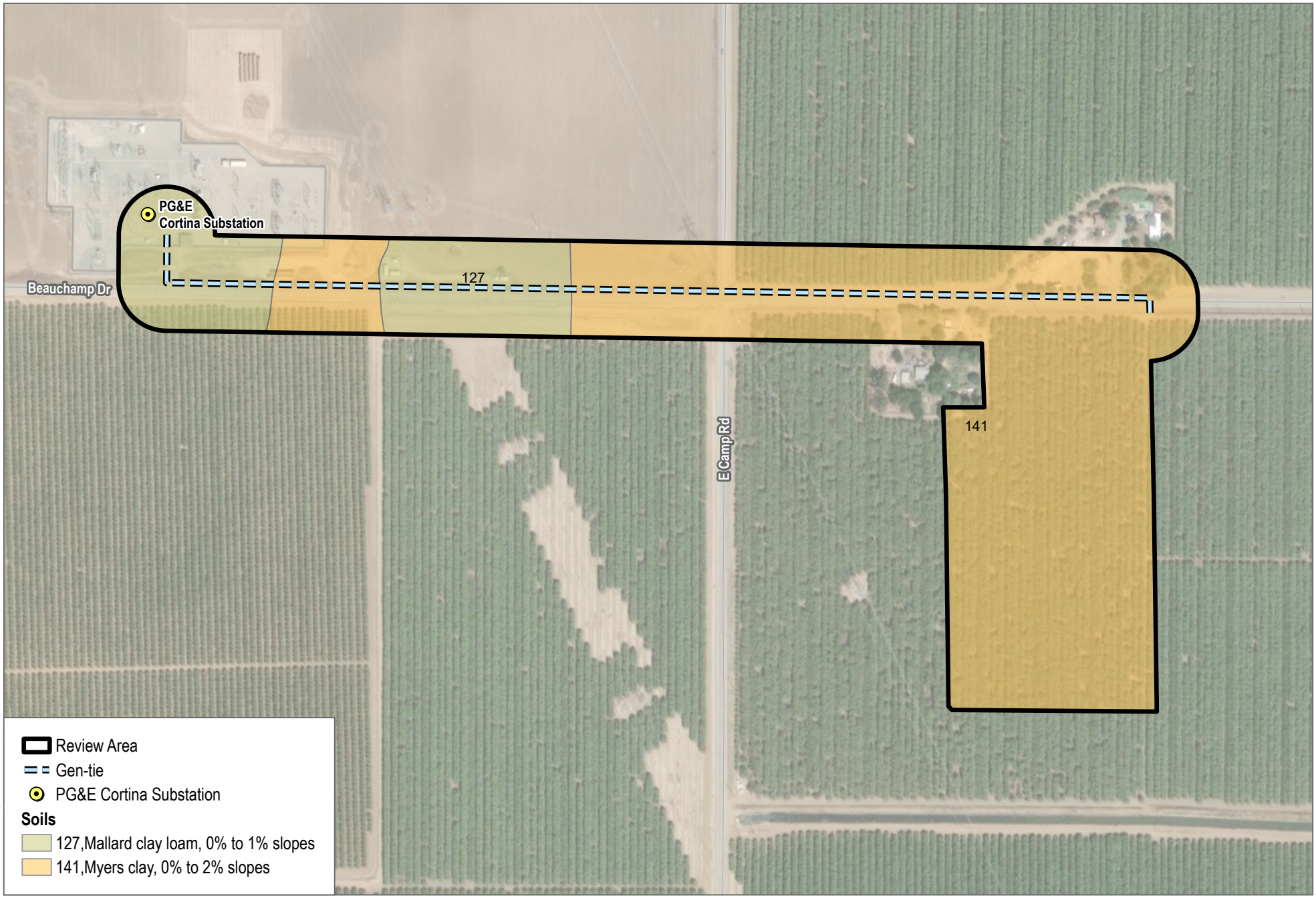
0 200 400 Feet

FIGURE 2

Review Area

Saloon Battery Energy Storage System Project

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SOURCE: Maxar 2021; Open Street Map 2023; USDA SSURGO 2023

DUDEK

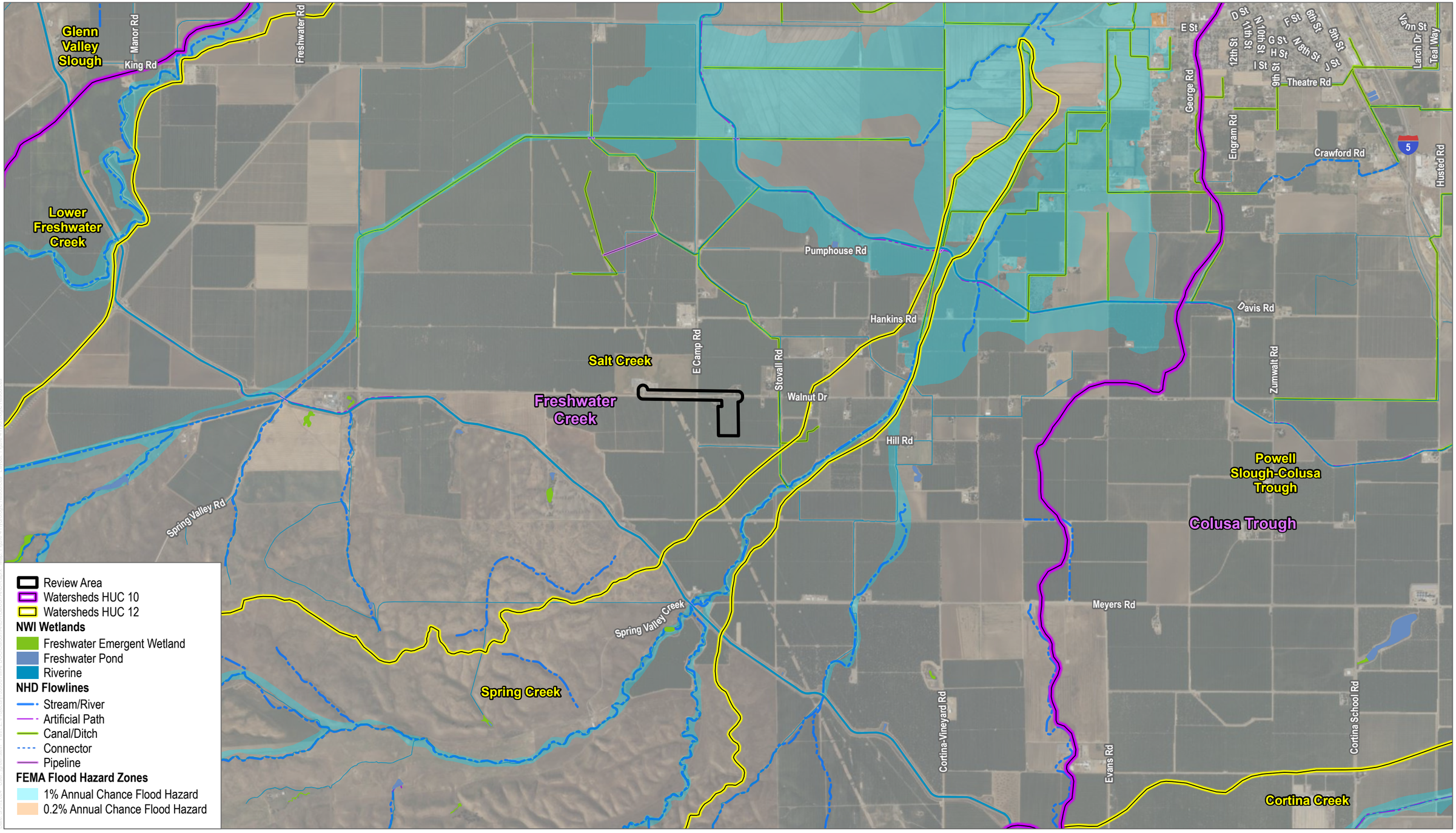
0 200 400 Feet

FIGURE 3

Soils

Saloon Battery Energy Storage System Project

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SOURCE: Bing Maps 2023; FEMA 2024; USGS NHD 2024; USFWS NWI 2024; CA DWR 2024

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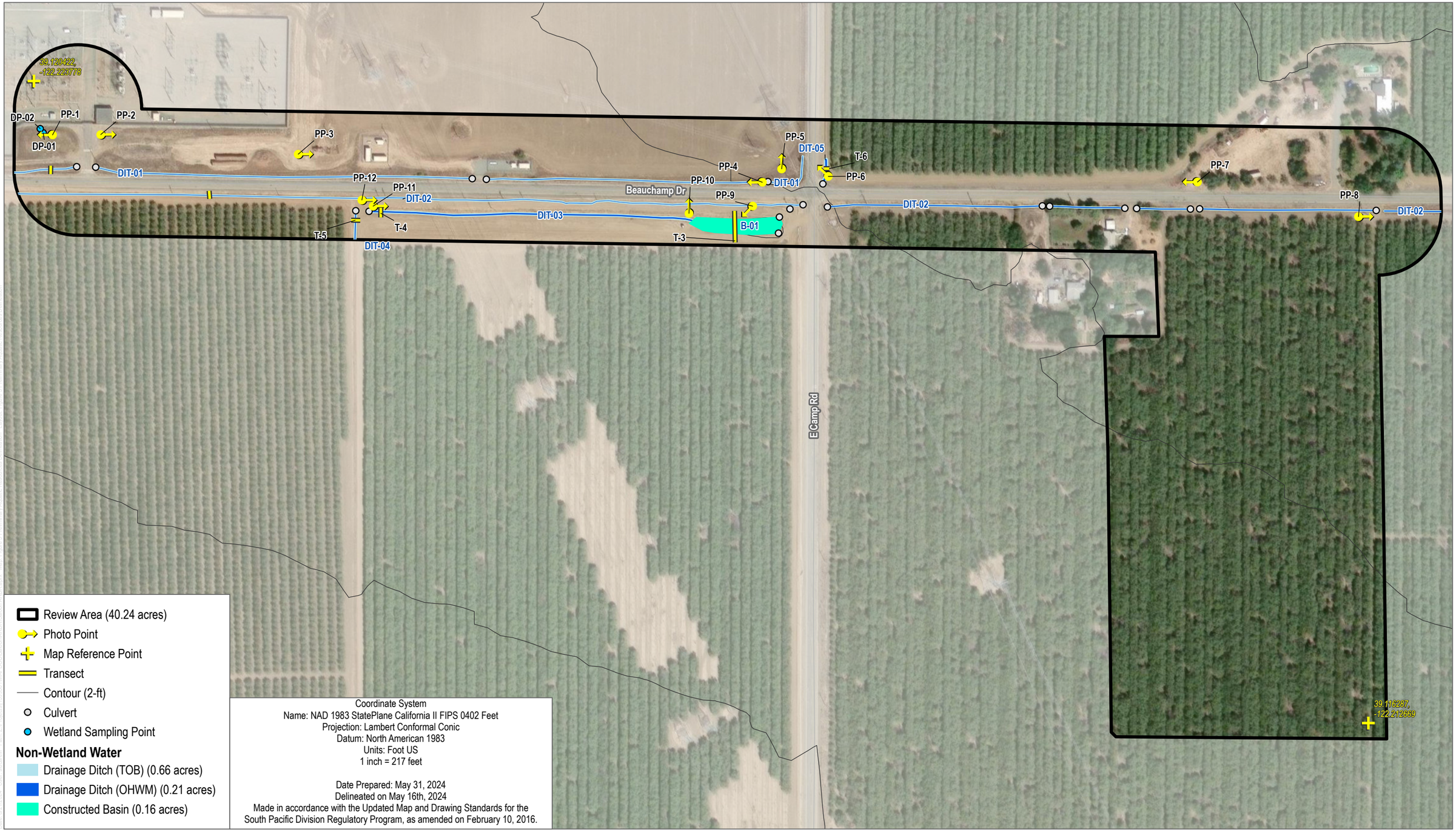
0 1,250 2,500 Feet

FIGURE 4

Hydrologic Resources

Saloon Battery Energy Storage System Project

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SOURCE: Maxar 2021; Open Street Map 2023

DUDEK

0 100 200 Feet

FIGURE 5

Preliminary Aquatic Resources Delineation

Saloon Battery Energy Storage System Project

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Appendix A
Plant List

Plant Species

Eudicots

ASTERACEAE – SUNFLOWER FAMILY

* *Centaurea solstitialis* – yellow star-thistle
  Not Listed
* *Lactuca serriola* – prickly lettuce
  FACU
* *Silybum marianum* – blessed milkthistle
  Not Listed

  Xanthium strumarium – cocklebur
  FAC

BRASSICACEAE – MUSTARD FAMILY

* *Brassica nigra* – black mustard
  Not Listed

CONVOLVULACEAE – MORNING-GLORY FAMILY

* *Convolvulus arvensis* – field bindweed
  Not Listed

FABACEAE – LEGUME FAMILY

* *Medicago sativa* – alfalfa
  UPL
* *Trifolium hirtum* – rose clover
  Not Listed
* *Vicia villosa* – winter vetch
  Not Listed

GERANIACEAE – GERANIUM FAMILY

* *Erodium cicutarium* – redstem stork's bill
  Not Listed

JUGLANDACEAE – WALNUT FAMILY

Juglans hindsii – Northern California black walnut
FAC

LAMIACEAE – MINT FAMILY

* *Marrubium vulgare* – horehound
  FACU

MALVACEAE – MALLOW FAMILY

* *Malva parviflora* – cheeseweed mallow
  Not Listed

POLYGONACEAE – BUCKWHEAT FAMILY

* *Polygonum aviculare* – prostrate knotweed
  FAC
* *Rumex crispus* – curly dock
  FAC

ROSACEAE – ROSE FAMILY

* *Prunus dulcis* – sweet almond
  Not Listed

RUBIACEAE – MADDER FAMILY

Galium aparine – stickywilly
FACU

Monocots

CYPERACEAE – SEDGE FAMILY

Eleocharis macrostachya – pale spike rush
OBL

POACEAE – GRASS FAMILY

* *Avena barbata* – slender oat
  Not Listed
* *Avena fatua* – wild oat
  Not Listed
* *Avena barbata* – ripgut brome
  Not Listed
* *Bromus diandrus* – soft brome
  FACU
* *Bromus rubens* – red brome
  UPL
* *Digitaria ischaemum* – smooth crabgrass
  FACU
* *Festuca perennis* – perennial rye grass
  FAC
* *Hordeum marinum* – seaside barley
  FAC

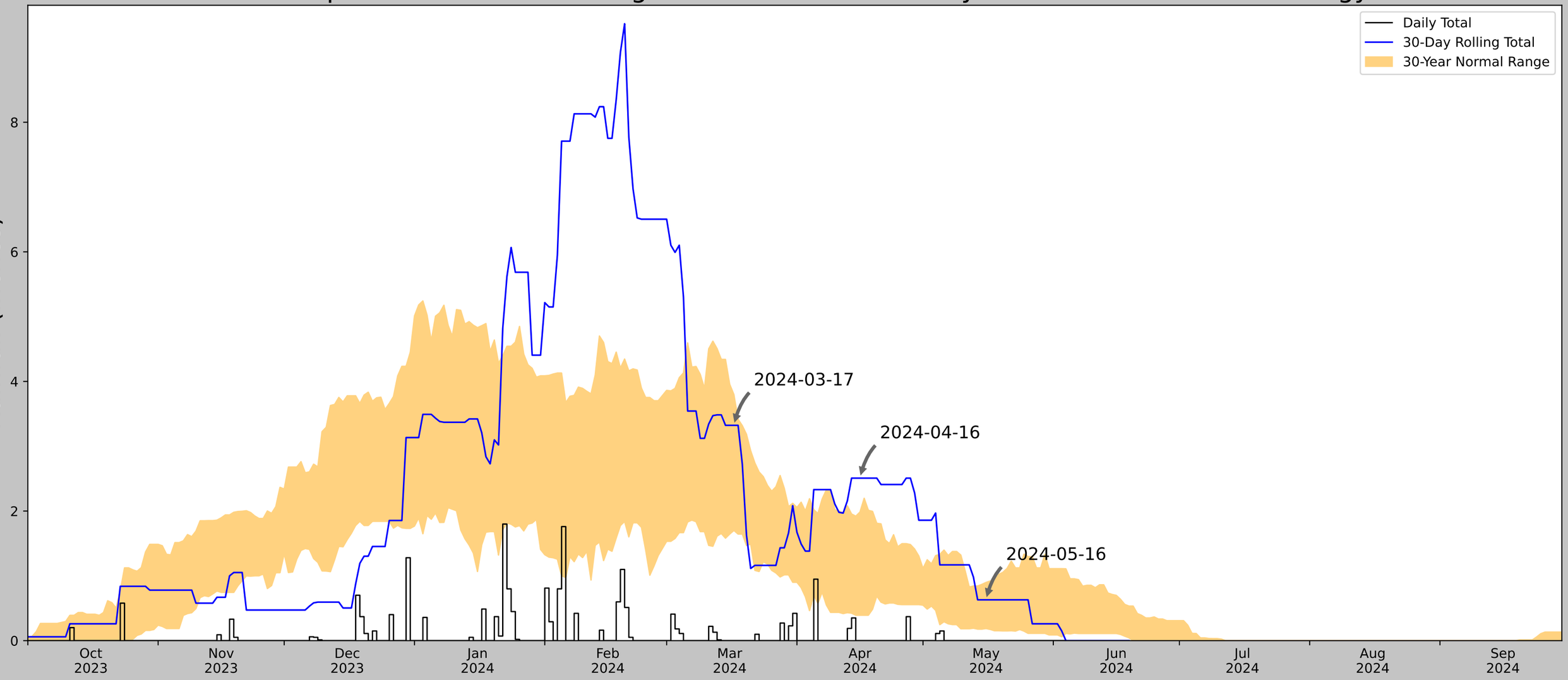
* *Hordeum murinum* – mouse barley
  FACU
* *Phalaris aquatica* – Harding grass
  FACU
  Poa secunda – onesided bluegrass
  FACU
* *Polypogon monspeliensis* – annual rabbitsfoot grass
  FACW
* *Triticum aestivum* – common wheat
  Not Listed

* Signifies introduced (non-native) species.
  FAC = facultative
  FACU = facultative upland
  FACW = facultative wetland
  OBL = obligate
  UPL = upland

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Appendix B
Antecedent Precipitation Tool Output

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	39.117202, -122.21361
Observation Date	2024-05-16
Elevation (ft)	145.271
Drought Index (PDSI)	Incipient wetness
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-05-16	0.186614	0.898425	0.629921	Normal	2	3	6
2024-04-16	0.392126	1.984252	2.507874	Wet	3	2	6
2024-03-17	1.700394	3.798819	3.322835	Normal	2	1	2
Result							Normal Conditions - 14

US Army Corps of Engineers

ERDC

Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Developed by: U.S. Army Corps of Engineers and U.S. Army Engineer Research and Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
COLUSA 2 SSW	39.1875, -122.0269	49.869	11.121	95.402	6.065	9535	74
MAXWELL 5.1 N	39.349, -122.1771	90.879	13.75	41.01	6.751	0	2
SUTTER 0.3 W	39.1596, -121.7511	73.163	14.898	23.294	7.051	412	0
WILLOWS 6 W	39.5231, -122.3047	233.924	27.531	184.055	17.456	1362	7
EAST PARK RSVR	39.3592, -122.5178	1205.053	28.813	1155.184	46.25	33	0
CLEARLAKE OAKS 5.0 NE	39.0683, -122.5926	1275.919	31.419	1226.05	52.66	0	7
CLEARLAKE 4 SE	38.9239, -122.5672	1349.081	34.235	1299.212	59.884	6	0
LOWER LAKE 4.0 SE	38.8652, -122.5636	1584.974	36.411	1535.105	72.28	3	0
Linear Interpolation	N/A	N/A	N/A	N/A	N/A	1	0

Appendix C
Data Forms

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Arid West Region
See ERDC/EL TR-08-28; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Saloon | City/County: Colusa | Sampling Date: 5/16/24
Applicant/Owner: NA | State: CA | Sampling Point: 1
Investigator(s): Allie Sennett | Section, Township, Range: Township 15 N, Range 3 W, Section 29
Landform (hillside, terrace, etc.): | Local relief (concave, convex, none): concave | Slope (%): 0
Subregion (LRR): LRR C | Lat: 39.120094N | Long: 122.223712W | Datum: WGS 84
Soil Map Unit Name: Mallard clay loam, 0% to 1% slopes | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil X , or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes No X
Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes No X
Hydric Soil Present? Yes No X
Wetland Hydrology Present? Yes X No

Is the Sampled Area within a Wetland? **Yes** **No** X

Remarks:
Marginal feature likely a result of run-off from the adjacent substation and roadways.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Herb Stratum (Plot size: 5m)			
1. *Rumex crispus*	5	Yes	FAC
2. *Bromus hordeaceus*	5	Yes	FACU
3. *Digitaria ischaemum*	5	Yes	FACU
4. *Polygonum aviculare*	4	No	FAC
5. *Lolium perenne*	3	No	FAC
6. *Convolvulus arvensis*	3	No	UPL
7. *Polypogon monspeliensis*	2	No	FACW
8.			
	27 =Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	=Total Cover		

% Bare Ground in Herb Stratum 73 % Cover of Biotic Crust

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	2	x 2 =	4
FAC species	12	x 3 =	36
FACU species	10	x 4 =	40
UPL species	3	x 5 =	15
Column Totals:	27 (A)		95 (B)

Prevalence Index = B/A = 3.52

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** **No** X

Remarks:

SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-2	7.5R 4/3	100					Loamy/Clayey	gravel present

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Iron-Manganese Masses (F12) **(LRR D)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: gravel/compaction

Depth (inches): 2

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

Soil is disturbed and compacted as a result of the adjacent substation.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- X Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): ___

Water Table Present? Yes ___ No ___ Depth (inches): ___

Saturation Present? Yes ___ No ___ Depth (inches): ___

(includes capillary fringe)

Wetland Hydrology Present? **Yes** X **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

See APT results in ARDR.

Remarks:

AGENCY DISCLOSURE NOTIFICATION

The public reporting burden for this collection of information, OMB Control Number 0710-0024, is estimated to average 30 minutes per response, including the timefor reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services,at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR REQUEST TO THE ABOVE EMAIL.**

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: http://dpcld.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Arid West Region
See ERDC/EL TR-08-28; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Saloon | City/County: Colusa | Sampling Date: 5/16/24
Applicant/Owner: NA | State: CA | Sampling Point: 2
Investigator(s): Allie Sennett | Section, Township, Range: Township 15 N, Range 3 W, Section 29
Landform (hillside, terrace, etc.): flatlands | Local relief (concave, convex, none): convex | Slope (%): 1
Subregion (LRR): LRR C | Lat: 39.120123N | Long: 122.223739W | Datum: WGS 84
Soil Map Unit Name: Mallard clay loam, 0% to 1% slopes | NWI classification: none
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil X, or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes ____ No X
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ____ No X
Hydric Soil Present? Yes ____ No X
Wetland Hydrology Present? Yes ____ No X

Is the Sampled Area within a Wetland? **Yes** ____ **No** X

Remarks:
Upland adjacent to marginal feature south of substation and north of Walnut Drive.

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
	____ =Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ =Total Cover		
Herb Stratum (Plot size: 5m)			
1. *Centaurea solstitialis*	60	Yes	UPL
2. *Rumex crispus*	5	No	FAC
3. *Lolium perenne*	5	No	FAC
4. *Malva parviflora*	2	No	UPL
5.			
6.			
7.			
8.			
	72 =Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ =Total Cover		

% Bare Ground in Herb Stratum 28 % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	10	x 3 =	30
FACU species	0	x 4 =	0
UPL species	62	x 5 =	310
Column Totals:	72 (A)		340 (B)

Prevalence Index = B/A = 4.72

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** ____ **No** X

Remarks:

SOIL

Sampling Point: 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-2	7.5R 4/3	100					Loamy/Clayey	gravel present

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Iron-Manganese Masses (F12) **(LRR D)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: gravel/compaction

Depth (inches): 2

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): ___

Water Table Present? Yes ___ No ___ Depth (inches): ___

Saturation Present? Yes ___ No ___ Depth (inches): ___

(includes capillary fringe)

Wetland Hydrology Present? **Yes** ___ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

See APT results in ARDR.

Remarks:

AGENCY DISCLOSURE NOTIFICATION

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Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: http://dpcld.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx

U.S. Army Corps of Engineers (USACE)

RAPID ORDINARY HIGH WATER MARK (OHWM) FIELD IDENTIFICATION DATA SHEET

The proponent agency is Headquarters USACE CECW-CO-R.

From Approved -
OMB No. 0710-OHWM
Expires: xx-xx-xxxx

AGENCY DISCLOSURE NOTICE

The public reporting burden for this collection of information, 0710-OHWM, is estimated to average 30 **minutes** per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

Project ID #: **T-01 (DIT-01)** | Site Name: **Saloon BESS** | Date and Time: **5/16/24, 11:59 AM**

Location (lat/long): **39.119843N 122.224013W** | Investigator(s): **Allie Sennett**

Step 1 Site overview from remote and online resources
Check boxes for online resources used to evaluate site:

- [ ] gage data
- [ ] LiDAR
- [ ] geologic maps
- [X] climatic data
- [X] satellite imagery
- [ ] land use maps
- [X] aerial photos
- [X] topographic maps
- [ ] Other: _____

Describe land use and flow conditions from online resources. Were there any recent extreme events (floods or drought)?

Surface run-off from adjacent substation and roadway.

Step 2 Site conditions during field assessment. First look for changes in channel shape, depositional and erosional features, and changes in vegetation and sediment type, size, density, and distribution. Make note of natural or man-made disturbances that would affect flow and channel form, such as bridges, riprap, landslides, rockfalls etc.

Step 3 Check the boxes next to the indicators used to identify the location of the OHWM.
OHWM is at a transition point, therefore some indicators that are used to determine location may be just below and above the OHWM. From the drop-down menu next to each indicator, select the appropriate location of the indicator by selecting either just below `b', at `x', or just above `a' the OHWM.
OHWM. Go to page 2 to describe overall rationale for location of OHWM, write any additional observations, and to attach a photo log.

Geomorphic indicators

- [X] **Break in slope:**
  - [X] *on the bank:*
  - [ ] *undercut bank:*
  - [ ] *valley bottom:*
  - [ ] Other: _____
- [ ] **Shelving:**
  - [ ] *shelf at top of bank:*
  - [ ] *natural levee:*
  - [ ] *man-made berms or levees:*
  - [ ] *other berms:* _____
- [ ] **Channel bar:**
  - [ ] *shelving (berms) on bar:*
  - [ ] *unvegetated:*
  - [ ] *vegetation transition (go to veg. indicators)*
  - [ ] *sediment transition (go to sed. indicators)*
  - [ ] *upper limit of deposition on bar:*
- [ ] **Instream bedforms and other bedload transport evidence:**
  - [ ] *deposition bedload indicators (e.g., imbricated clasts, gravel sheets, etc.)*
  - [ ] *bedforms (e.g., poofs, riffles, steps, etc.):*
- [ ] *erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)*
- [ ] **Secondary channels:**

Sediment indicators

- [ ] **Soil development:**
- [X] **Changes in character of soil:**
- [ ] **Mudcracks:**
- [ ] **Changes in particle-sized distribution:**
  - [ ] *transition from* _____ to _____
  - [ ] *upper limit of sand-sized particles*
  - [ ] *silt deposits:*

Vegetation Indicators

- [X] **Change in vegetation type and/or density:**

Check the appropriate boxes and select the general vegetation change *(e.g., graminoids to woody shrubs).* ***Describe the vegetation transition looking from the middle of the channel, up the banks, and into the floodplain.***

- [ ] *vegetation absent to:*
- [ ] *moss to:*
- [ ] *forbs to:*
- [ ] *graminoids to:*
- [ ] *woody shrubs to:*
- [ ] *deciduous trees to:*
- [ ] *coniferous trees to:*
- [ ] **Vegetation matted down and/or bent:**
- [ ] **Exposed roots below intact soil layer:**

Ancillary indicators

- [ ] **Wracking/presence of organic litter:**
- [ ] **Presence of large wood:**
- [ ] **Leaf litter disturbed or washed away:**
- [ ] **Water staining:**
- [ ] **Weathered clasts or bedrock:**

Other observed indicators? Describe:

FESPER, CONARV, RUMCRI on bed (30% cover) and AVEFAT and AVEBAR on banks (70% cover).

Project ID #: **T-01 (DIT-01)**

Step 4 Is additional information needed to support this determination? [ ] Yes [X] No If yes, describe and attach information to datasheet:

Step 5 Describe rationale for location of OHWM

10% gravel in bed, change in vegetation type and cover, break in slope (moderate), and bed and bank.

Additional observations or notes

Attach a photo log of the site. Use the table below, or attach separately.

Photo log attached? [X] Yes [ ] No If no, explain why not: _____

List photographs and include descriptions in the table below.

Number photographs in the order that they are taken. Attach photographs and include annotations of features.

Photo Number	Photograph description
	See photo log

U.S. Army Corps of Engineers (USACE)

RAPID ORDINARY HIGH WATER MARK (OHWM) FIELD IDENTIFICATION DATA SHEET

The proponent agency is Headquarters USACE CECW-CO-R.

From Approved -
OMB No. 0710-OHWM
Expires: xx-xx-xxxx

AGENCY DISCLOSURE NOTICE

The public reporting burden for this collection of information, 0710-OHWM, is estimated to average 30 **minutes** per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

Project ID #: **T-02 (DIT-02)** | Site Name: **Saloon BESS** | Date and Time: **5/16/24, 11:50 AM**

Location (lat/long): **39.119695N 122.222326W** | Investigator(s): **Allie Sennett**

Step 1 Site overview from remote and online resources
Check boxes for online resources used to evaluate site:

- [ ] gage data
- [ ] LiDAR
- [ ] geologic maps
- [X] climatic data
- [X] satellite imagery
- [ ] land use maps
- [X] aerial photos
- [X] topographic maps
- [ ] Other: _____

Describe land use and flow conditions from online resources. Were there any recent extreme events (floods or drought)?

Surface run-off from adjacent substation and roadway.

Step 2 Site conditions during field assessment. First look for changes in channel shape, depositional and erosional features, and changes in vegetation and sediment type, size, density, and distribution. Make note of natural or man-made disturbances that would affect flow and channel form, such as bridges, riprap, landslides, rockfalls etc.

Step 3 Check the boxes next to the indicators used to identify the location of the OHWM.
OHWM is at a transition point, therefore some indicators that are used to determine location may be just below and above the OHWM. From the drop-down menu next to each indicator, select the appropriate location of the indicator by selecting either just below `b', at `x', or just above `a' the OHWM.
OHWM. Go to page 2 to describe overall rationale for location of OHWM, write any additional observations, and to attach a photo log.

Geomorphic indicators

- [X] **Break in slope:**
  - [X] *on the bank:*
  - [ ] *undercut bank:*
  - [ ] *valley bottom:*
  - [ ] Other: _____
- [ ] **Shelving:**
  - [ ] *shelf at top of bank:*
  - [ ] *natural levee:*
  - [ ] *man-made berms or levees:*
  - [ ] *other berms:* _____
- [ ] **Channel bar:**
  - [ ] *shelving (berms) on bar:*
  - [ ] *unvegetated:*
  - [ ] *vegetation transition (go to veg. indicators)*
  - [ ] *sediment transition (go to sed. indicators)*
  - [ ] *upper limit of deposition on bar:*
- [ ] **Instream bedforms and other bedload transport evidence:**
  - [ ] *deposition bedload indicators (e.g., imbricated clasts, gravel sheets, etc.)*
  - [ ] *bedforms (e.g., poofs, riffles, steps, etc.):*
- [ ] *erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)*
- [ ] **Secondary channels:**

Sediment indicators

- [ ] **Soil development:**
- [X] **Changes in character of soil:**
- [ ] **Mudcracks:**
- [ ] **Changes in particle-sized distribution:**
  - [ ] *transition from* _____ to _____
  - [ ] *upper limit of sand-sized particles*
  - [ ] *silt deposits:*

Vegetation Indicators

- [X] **Change in vegetation type and/or density:**

Check the appropriate boxes and select the general vegetation change *(e.g., graminoids to woody shrubs).* ***Describe the vegetation transition looking from the middle of the channel, up the banks, and into the floodplain.***

- [ ] *vegetation absent to:*
- [ ] *moss to:*
- [ ] *forbs to:*
- [ ] *graminoids to:*
- [ ] *woody shrubs to:*
- [ ] *deciduous trees to:*
- [ ] *coniferous trees to:*
- [ ] **Vegetation matted down and/or bent:**
- [ ] **Exposed roots below intact soil layer:**

Ancillary indicators

- [ ] **Wracking/presence of organic litter:**
- [ ] **Presence of large wood:**
- [ ] **Leaf litter disturbed or washed away:**
- [ ] **Water staining:**
- [ ] **Weathered clasts or bedrock:**

Other observed indicators? Describe:

Mostly unvegetated with about 5% CONARV on bed and banks.

Project ID #: **T-02 (DIT-2)**

Step 4 Is additional information needed to support this determination? [ ] Yes [X] No If yes, describe and attach information to datasheet:

Step 5 Describe rationale for location of OHWM

Break in slope (mild) and sediment sorting (50% gravel in bed).

Additional observations or notes

Attach a photo log of the site. Use the table below, or attach separately.

Photo log attached? [X] Yes [ ] No If no, explain why not: _____

List photographs and include descriptions in the table below.

Number photographs in the order that they are taken. Attach photographs and include annotations of features.

Photo Number	Photograph description
	See photo log

U.S. Army Corps of Engineers (USACE)

RAPID ORDINARY HIGH WATER MARK (OHWM) FIELD IDENTIFICATION DATA SHEET

The proponent agency is Headquarters USACE CECW-CO-R.

From Approved -
OMB No. 0710-OHWM
Expires: xx-xx-xxxx

AGENCY DISCLOSURE NOTICE

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Project ID #: **T-03 (BASIN)** | Site Name: **Saloon BESS** | Date and Time: **5/16/24, 11:28 AM**

Location (lat/long): **39.119508N 122.217959W** | Investigator(s): **Allie Sennett**

Step 1 Site overview from remote and online resources
Check boxes for online resources used to evaluate site:

- [ ] gage data
- [ ] LiDAR
- [ ] geologic maps
- [X] climatic data
- [X] satellite imagery
- [ ] land use maps
- [X] aerial photos
- [X] topographic maps
- [ ] Other: _____

Describe land use and flow conditions from online resources. Were there any recent extreme events (floods or drought)?

Surface run-off from adjacent orchard and roadway. Constructed ditches culverted to basin

Step 2 Site conditions during field assessment. First look for changes in channel shape, depositional and erosional features, and changes in vegetation and sediment type, size, density, and distribution. Make note of natural or man-made disturbances that would affect flow and channel form, such as bridges, riprap, landslides, rockfalls etc.

Step 3 Check the boxes next to the indicators used to identify the location of the OHWM.
OHWM is at a transition point, therefore some indicators that are used to determine location may be just below and above the OHWM. From the drop-down menu next to each indicator, select the appropriate location of the indicator by selecting either just below `b', at `x', or just above `a' the OHWM.
OHWM. Go to page 2 to describe overall rationale for location of OHWM, write any additional observations, and to attach a photo log.

Geomorphic indicators

- [X] **Break in slope:**
  - [X] *on the bank:*
  - [ ] *undercut bank:*
  - [ ] *valley bottom:*
  - [ ] Other: _____
- [ ] **Shelving:**
  - [ ] *shelf at top of bank:*
  - [ ] *natural levee:*
  - [ ] *man-made berms or levees:*
  - [ ] *other berms:* _____
- [ ] **Channel bar:**
  - [ ] *shelving (berms) on bar:*
  - [ ] *unvegetated:*
  - [ ] *vegetation transition (go to veg. indicators)*
  - [ ] *sediment transition (go to sed. indicators)*
  - [ ] *upper limit of deposition on bar:*
- [ ] **Instream bedforms and other bedload transport evidence:**
  - [ ] *deposition bedload indicators (e.g., imbricated clasts, gravel sheets, etc.)*
  - [ ] *bedforms (e.g., poofs, riffles, steps, etc.):*
- [ ] *erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)*
- [ ] **Secondary channels:**

Sediment indicators

- [ ] **Soil development:**
- [ ] **Changes in character of soil:**
- [ ] **Mudcracks:**
- [ ] **Changes in particle-sized distribution:**
  - [ ] *transition from* _____ to _____
  - [ ] *upper limit of sand-sized particles*
  - [ ] *silt deposits:*

Vegetation Indicators

- [X] **Change in vegetation type and/or density:**

Check the appropriate boxes and select the general vegetation change *(e.g., graminoids to woody shrubs).* ***Describe the vegetation transition looking from the middle of the channel, up the banks, and into the floodplain.***

- [ ] *vegetation absent to:*
- [ ] *moss to:*
- [ ] *forbs to:*
- [ ] *graminoids to:*
- [ ] *woody shrubs to:*
- [ ] *deciduous trees to:*
- [ ] *coniferous trees to:*
- [ ] **Vegetation matted down and/or bent:**
- [ ] **Exposed roots below intact soil layer:**

Ancillary indicators

- [ ] **Wracking/presence of organic litter:**
- [ ] **Presence of large wood:**
- [ ] **Leaf litter disturbed or washed away:**
- [ ] **Water staining:**
- [ ] **Weathered clasts or bedrock:**

Other observed indicators? Describe:

Mostly unvegetated with some POLARV and MALPAR on bed and banks. Standing water estimated to be up to 1 foot deep (foam on water surface restricts water clarity).

Project ID #: **T-03 (BASIN)**

Step 4 Is additional information needed to support this determination? [ ] Yes [X] No If yes, describe and attach information to datasheet:

Step 5 Describe rationale for location of OHWM

Break in slope (moderate), change in vegetation and cover, and standing water.

Additional observations or notes

Attach a photo log of the site. Use the table below, or attach separately.

Photo log attached? [X] Yes [ ] No If no, explain why not: _____

List photographs and include descriptions in the table below.

Number photographs in the order that they are taken. Attach photographs and include annotations of features.

Photo Number	Photograph description
	See photo log

U.S. Army Corps of Engineers (USACE)

RAPID ORDINARY HIGH WATER MARK (OHWM) FIELD IDENTIFICATION DATA SHEET

The proponent agency is Headquarters USACE CECW-CO-R.

From Approved -
OMB No. 0710-OHWM
Expires: xx-xx-xxxx

AGENCY DISCLOSURE NOTICE

The public reporting burden for this collection of information, 0710-OHWM, is estimated to average 30 **minutes** per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

Project ID #: **T-04 (DIT-03)** | Site Name: **Saloon BESS** | Date and Time: **5/16/24, 11:41 AM**

Location (lat/long): **39.119595N 122.220915W** | Investigator(s): **Allie Sennett**

Step 1 Site overview from remote and online resources
Check boxes for online resources used to evaluate site:

- [ ] gage data
- [X] climatic data
- [X] aerial photos
- [ ] LiDAR
- [X] satellite imagery
- [X] topographic maps
- [ ] geologic maps
- [ ] land use maps
- [ ] Other: _____

Describe land use and flow conditions from online resources. Were there any recent extreme events (floods or drought)?

Surface run-off from adjacent orchard and roadway. Constructed ditches culverted to basin

Step 2 Site conditions during field assessment. First look for changes in channel shape, depositional and erosional features, and changes in vegetation and sediment type, size, density, and distribution. Make note of natural or man-made disturbances that would affect flow and channel form, such as bridges, riprap, landslides, rockfalls etc.

Step 3 Check the boxes next to the indicators used to identify the location of the OHWM.
OHWM is at a transition point, therefore some indicators that are used to determine location may be just below and above the OHWM. From the drop-down menu next to each indicator, select the appropriate location of the indicator by selecting either just below `b', at `x', or just above `a' the OHWM.
OHWM. Go to page 2 to describe overall rationale for location of OHWM, write any additional observations, and to attach a photo log.

Geomorphic indicators

- [X] **Break in slope:**
  - [X] *on the bank:*
  - [ ] *undercut bank:*
  - [ ] *valley bottom:*
  - [ ] Other: _____
- [ ] **Shelving:**
  - [ ] *shelf at top of bank:*
  - [ ] *natural levee:*
  - [ ] *man-made berms or levees:*
  - [ ] *other berms:* _____
- [ ] **Channel bar:**
  - [ ] *shelving (berms) on bar:*
  - [ ] *unvegetated:*
  - [ ] *vegetation transition (go to veg. indicators)*
  - [ ] *sediment transition (go to sed. indicators)*
  - [ ] *upper limit of deposition on bar:*
- [ ] **Instream bedforms and other bedload transport evidence:**
  - [ ] *deposition bedload indicators (e.g., imbricated clasts, gravel sheets, etc.)*
  - [ ] *bedforms (e.g., poofs, riffles, steps, etc.):*
- [ ] *erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)*
- [ ] **Secondary channels:**

Sediment indicators

- [ ] **Soil development:**
- [X] **Changes in character of soil:**
- [ ] **Mudcracks:**
- [ ] **Changes in particle-sized distribution:**
  - [ ] *transition from* _____ to _____
  - [ ] *upper limit of sand-sized particles*
  - [ ] *silt deposits:*

Vegetation Indicators

- [X] **Change in vegetation type and/or density:**

Check the appropriate boxes and select the general vegetation change *(e.g., graminoids to woody shrubs).* ***Describe the vegetation transition looking from the middle of the channel, up the banks, and into the floodplain.***

- [ ] *vegetation absent to:*
- [ ] *moss to:*
- [ ] *forbs to:*
- [ ] *graminoids to:*
- [ ] *woody shrubs to:*
- [ ] *deciduous trees to:*
- [ ] *coniferous trees to:*
- [ ] **Vegetation matted down and/or bent:**
- [ ] **Exposed roots below intact soil layer:**

Ancillary indicators

- [ ] **Wracking/presence of organic litter:**
- [ ] **Presence of large wood:**
- [ ] **Leaf litter disturbed or washed away:**
- [ ] **Water staining:**
- [ ] **Weathered clasts or bedrock:**

Other observed indicators? Describe:

No vegetation in bed, some CONARV on banks (5-10% cover). Sediment sorting, some eroded banks, and standing water about 1-in deep intermittently in channel.

Project ID #: **T-04 (DIT-3)**

Step 4 Is additional information needed to support this determination? [ ] Yes [X] No If yes, describe and attach information to datasheet:

Step 5 Describe rationale for location of OHWM

Break in slope (moderate), bed and bank, change in vegetation and cover, sediment sorting, and standing water.

Additional observations or notes

Attach a photo log of the site. Use the table below, or attach separately.

Photo log attached? [X] Yes [ ] No If no, explain why not: _____

List photographs and include descriptions in the table below.

Number photographs in the order that they are taken. Attach photographs and include annotations of features.

Photo Number	Photograph description
	See photo log

U.S. Army Corps of Engineers (USACE)

RAPID ORDINARY HIGH WATER MARK (OHWM) FIELD IDENTIFICATION DATA SHEET

The proponent agency is Headquarters USACE CECW-CO-R.

From Approved -
OMB No. 0710-OHWM
Expires: xx-xx-xxxx

AGENCY DISCLOSURE NOTICE

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Project ID #: **T-05 (DIT-04)** | Site Name: **Saloon BESS** | Date and Time: **5/16/24, 11:43 AM**

Location (lat/long): **39.119535N 122.221116W** | Investigator(s): **Allie Sennett**

Step 1 Site overview from remote and online resources
Check boxes for online resources used to evaluate site:

- [ ] gage data
- [ ] LiDAR
- [ ] geologic maps
- [X] climatic data
- [X] satellite imagery
- [ ] land use maps
- [X] aerial photos
- [X] topographic maps
- [ ] Other: _____

Describe land use and flow conditions from online resources. Were there any recent extreme events (floods or drought)?

Surface run-off from adjacent orchard and roadway.

Step 2 Site conditions during field assessment. First look for changes in channel shape, depositional and erosional features, and changes in vegetation and sediment type, size, density, and distribution. Make note of natural or man-made disturbances that would affect flow and channel form, such as bridges, riprap, landslides, rockfalls etc.

Step 3 Check the boxes next to the indicators used to identify the location of the OHWM.
OHWM is at a transition point, therefore some indicators that are used to determine location may be just below and above the OHWM. From the drop-down menu next to each indicator, select the appropriate location of the indicator by selecting either just below `b', at `x', or just above `a' the OHWM.
OHWM. Go to page 2 to describe overall rationale for location of OHWM, write any additional observations, and to attach a photo log.

Geomorphic indicators

- [X] **Break in slope:**
  - [X] *on the bank:*
  - [ ] *undercut bank:*
  - [ ] *valley bottom:*
  - [ ] Other: _____
- [ ] **Shelving:**
  - [ ] *shelf at top of bank:*
  - [ ] *natural levee:*
  - [ ] *man-made berms or levees:*
  - [ ] *other berms:* _____
- [ ] **Channel bar:**
  - [ ] *shelving (berms) on bar:*
  - [ ] *unvegetated:*
  - [ ] *vegetation transition (go to veg. indicators)*
  - [ ] *sediment transition (go to sed. indicators)*
  - [ ] *upper limit of deposition on bar:*
- [ ] **Instream bedforms and other bedload transport evidence:**
  - [ ] *deposition bedload indicators (e.g., imbricated clasts, gravel sheets, etc.)*
  - [ ] *bedforms (e.g., poofs, riffles, steps, etc.):*
- [ ] *erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)*
- [ ] **Secondary channels:**

Sediment indicators

- [ ] **Soil development:**
- [X] **Changes in character of soil:**
- [ ] **Mudcracks:**
- [ ] **Changes in particle-sized distribution:**
  - [ ] *transition from* _____ to _____
  - [ ] *upper limit of sand-sized particles*
  - [ ] *silt deposits:*

Vegetation Indicators

- [X] **Change in vegetation type and/or density:**

Check the appropriate boxes and select the general vegetation change *(e.g., graminoids to woody shrubs).* ***Describe the vegetation transition looking from the middle of the channel, up the banks, and into the floodplain.***

- [ ] *vegetation absent to:*
- [ ] *moss to:*
- [ ] *forbs to:*
- [ ] *graminoids to:*
- [ ] *woody shrubs to:*
- [ ] *deciduous trees to:*
- [ ] *coniferous trees to:*
- [ ] **Vegetation matted down and/or bent:**
- [ ] **Exposed roots below intact soil layer:**

Ancillary indicators

- [ ] **Wracking/presence of organic litter:**
- [ ] **Presence of large wood:**
- [ ] **Leaf litter disturbed or washed away:**
- [ ] **Water staining:**
- [ ] **Weathered clasts or bedrock:**

Other observed indicators? Describe:

No vegetation in bed, some CONARV on banks (5-10% cover). Sediment sorting, and standing water or saturation in channel.

Project ID #: **T-05 (DIT-4)**

Step 4 Is additional information needed to support this determination? [ ] Yes [X] No If yes, describe and attach information to datasheet:

Step 5 Describe rationale for location of OHWM

Break in slope (moderate), bed and bank, change in vegetation and cover, sediment sorting, and standing water or saturation.

Additional observations or notes

Attach a photo log of the site. Use the table below, or attach separately.

Photo log attached? [X] Yes [ ] No If no, explain why not: _____

List photographs and include descriptions in the table below.

Number photographs in the order that they are taken. Attach photographs and include annotations of features.

Photo Number	Photograph description
	See photo log

U.S. Army Corps of Engineers (USACE)

RAPID ORDINARY HIGH WATER MARK (OHWM) FIELD IDENTIFICATION DATA SHEET

The proponent agency is Headquarters USACE CECW-CO-R.

From Approved -
OMB No. 0710-OHWM
Expires: xx-xx-xxxx

AGENCY DISCLOSURE NOTICE

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Project ID #: **T-06 (DIT-05)** | Site Name: **Saloon BESS** | Date and Time: **5/16/24, 1:28 PM**

Location (lat/long): **39.119872N 122.2172W** | Investigator(s): **Allie Sennett**

Step 1 Site overview from remote and online resources
Check boxes for online resources used to evaluate site:

- [ ] gage data
- [ ] LiDAR
- [ ] geologic maps
- [X] climatic data
- [X] satellite imagery
- [ ] land use maps
- [X] aerial photos
- [X] topographic maps
- [ ] Other: _____

Describe land use and flow conditions from online resources. Were there any recent extreme events (floods or drought)?

Surface run-off from adjacent orchard and roadway intersection.

Step 2 Site conditions during field assessment. First look for changes in channel shape, depositional and erosional features, and changes in vegetation and sediment type, size, density, and distribution. Make note of natural or man-made disturbances that would affect flow and channel form, such as bridges, riprap, landslides, rockfalls etc.

Step 3 Check the boxes next to the indicators used to identify the location of the OHWM.
OHWM is at a transition point, therefore some indicators that are used to determine location may be just below and above the OHWM. From the drop-down menu next to each indicator, select the appropriate location of the indicator by selecting either just below `b', at `x', or just above `a' the OHWM.
OHWM. Go to page 2 to describe overall rationale for location of OHWM, write any additional observations, and to attach a photo log.

Geomorphic indicators

- [X] **Break in slope:**
  - [X] *on the bank:*
  - [ ] *undercut bank:*
  - [ ] *valley bottom:*
  - [ ] Other: _____
- [ ] **Shelving:**
  - [ ] *shelf at top of bank:*
  - [ ] *natural levee:*
  - [ ] *man-made berms or levees:*
  - [ ] *other berms:* _____
- [ ] **Channel bar:**
  - [ ] *shelving (berms) on bar:*
  - [ ] *unvegetated:*
  - [ ] *vegetation transition (go to veg. indicators)*
  - [ ] *sediment transition (go to sed. indicators)*
  - [ ] *upper limit of deposition on bar:*
- [ ] **Instream bedforms and other bedload transport evidence:**
  - [ ] *deposition bedload indicators (e.g., imbricated clasts, gravel sheets, etc.)*
  - [ ] *bedforms (e.g., poofs, riffles, steps, etc.):*
- [ ] *erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)*
- [ ] **Secondary channels:**

Sediment indicators

- [ ] **Soil development:**
- [X] **Changes in character of soil:**
- [ ] **Mudcracks:**
- [ ] **Changes in particle-sized distribution:**
  - [ ] *transition from* _____ to _____
  - [ ] *upper limit of sand-sized particles*
  - [ ] *silt deposits:*

Vegetation Indicators

- [ ] **Change in vegetation type and/or density:**

Check the appropriate boxes and select the general vegetation change *(e.g., graminoids to woody shrubs).* ***Describe the vegetation transition looking from the middle of the channel, up the banks, and into the floodplain.***

- [ ] *vegetation absent to:*
- [ ] *moss to:*
- [ ] *forbs to:*
- [ ] *graminoids to:*
- [ ] *woody shrubs to:*
- [ ] *deciduous trees to:*
- [ ] *coniferous trees to:*
- [ ] **Vegetation matted down and/or bent:**
- [ ] **Exposed roots below intact soil layer:**

Ancillary indicators

- [ ] **Wracking/presence of organic litter:**
- [ ] **Presence of large wood:**
- [ ] **Leaf litter disturbed or washed away:**
- [ ] **Water staining:**
- [ ] **Weathered clasts or bedrock:**

Other observed indicators? Describe:

No vegetation on bed or bank, sediment sorting (50% gravel in bed), concrete banks at culvert outfall.

Project ID #: **T-06 (DIT-05)**

Step 4 Is additional information needed to support this determination? [ ] Yes [X] No If yes, describe and attach information to datasheet:

Step 5 Describe rationale for location of OHWM

Break in slope (moderate), bed and bank, and sediment sorting (50% gravel).

Additional observations or notes

Attach a photo log of the site. Use the table below, or attach separately.

Photo log attached? [X] Yes [ ] No If no, explain why not: _____

List photographs and include descriptions in the table below.

Number photographs in the order that they are taken. Attach photographs and include annotations of features.

Photo Number	Photograph description
	See photo log

Appendix D
Review Area Photos



Photo Point 1. Representative photo facing west of DP-01 in the northwest corner of the site.



Photo Point 2. Representative photo facing east of disturbed habitat south of the substation.



Photo Point 3. Representative photo facing east of disturbed habitat southeast of the substation.



Photo Point 4. Representative photo facing west of roadside ditch (DIT-01) near the intersection of Walnut Drive and East Camp Road.



Photo Point 5. Representative photo facing north near the intersection of Walnut Drive and East Camp Road.

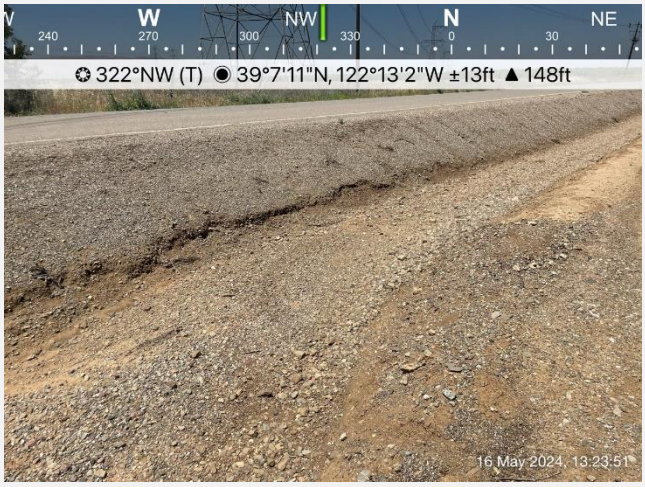


Photo Point 6. Representative photo facing northwest of roadside ditch (DIT-05) along the east side of East Camp Road.



Photo Point 7. Representative photo facing west on the east side of the review area near the orchards.



Photo Point 8. Representative photo facing north of DIT-02 in the eastern portion of the review area.



Photo Point 9. Representative photo facing southwest of constructed basin (B-01) near the intersection of Walnut Drive and East Camp Road.



Photo Point 10. Representative photo facing east of ditch (DIT-03) draining into constructed basin (B-01).



Photo Point 11. Representative photo facing east of ditch (DIT-03).



Photo Point 12. Representative photo facing east of roadside ditch (DIT-02).

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Appendix E

Archaeological Resources Inventory Letter Report

DUDEK
1810 13TH STREET, SUITE 110
SACRAMENTO, CALIFORNIA 95811
T 916.443.8335

June 25, 2024 13993.39

George Gunnoe
QCells USA Corp
300 Spectrum Center Drive, Suite 1250
Irvine, CA 92618

Subject: Archaeological Resources Inventory Letter Report for the Saloon Energy Storage Project

Dear Jorge Gunnoe:

This letter report documents the archaeological resources study conducted by Dudek for the proposed Saloon Energy Storage Project (Project), located in central Colusa County, California. The County of Colusa is the lead agency responsible for compliance with the California Environmental Quality Act (CEQA). This archaeological resources Inventory included a Northwest Information Center (NWIC) records search, Native American Heritage Commission (NAHC) Sacred Lands File search, and an intensive pedestrian survey for cultural resources. The cultural resources study was conducted by Dudek in accordance with the standards and guidelines defined by the California Office of Historic Preservation and CEQA.

Project Location and Description

The Project will include the development of an approximately 81 MW Battery Energy Storage System (BESS) that would deliver and receive power from the Pacific Gas & Electric (PG&E) Cortina Substation located approximately 0.5 miles west of the Project. Utilizing battery technology similar to that used in electric vehicles, the Project would provide additional capacity to the electrical grid to assist with serving load during periods of peak demand by charging when demand is low and discharging when demand is high. This accommodates the integration of additional intermittent renewable energy sources, such as wind and solar, and reduces the need to operate natural gas power plants. The Project would also serve as an additional local capacity resource that would enhance grid reliability.

The project is located in the center of Colusa County approximately 3.5 miles southwest of the city of Williams and 2.3 miles south of California State Route 20. The Project site is depicted within Sections 29, Township 15 North, Range 3 West of the Cortina Creek, California 7.5’ USGS Quadrangle Map (Figure 1). The approximately 18.2 acre Project site is surrounded by other orchards, agricultural fields, rural roads, and the Cortina Substation (Figure 2).

Regulatory Framework

State Regulations

The California Register of Historical Resources

In California, the term "historical resource" includes but is not limited to "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code [PRC] Section 5020.1(j)). In 1992, the California legislature established the California Register of Historical Resources (CRHR) "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1(a)). The criteria for listing resources in the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the National Register of Historic Places (NRHP), enumerated below. According to PRC Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

In order to understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see California Code Regulations, Title 14, Section 4852(d)(2)).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

California Environmental Quality Act

As described further below, the following CEQA statutes and CEQA Guidelines are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

- PRC Section 21083.2(g) defines "unique archaeological resource."

- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource;" it also defines the circumstances when a project would materially impair the significance of an historical resource.
- PRC Section 21074(a) defines "tribal cultural resources."
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e): Set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- PRC Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4: Provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context, and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; CEQA Guidelines Section 15064.5(b)). If a site is either listed or eligible for listing in the CRHR, or if it is included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1(q)), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); PRC Section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA (CEQA Guidelines Section 15064.5(b)(2)).

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Section 21083.2[a], [b], and [c]).

PRC Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

Impacts to non-unique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)). However, if a non-unique archaeological resource qualifies as tribal cultural resource (PRC Sections 21074(c); 21083.2(h)), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in PRC Section 5097.98.

Native American Historic Cultural Sites

State law addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and establishes the Heritage Commission to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy a Native American historic or cultural site that is listed or may be eligible for listing in the CRHR.

California Health and Safety Code Section 7050.5

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the County coroner has examined the remains (Section 7050.5b). PRC Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe

the remains are those of a Native American, the coroner must contact the NAHC within 24 hours (Section 7050.5c). The NAHC will notify the Most Likely Descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. The MLD should provide recommendations on next steps within 48 hours of being provided access to the site. The MLD may recommend means of treating or disposing of, with appropriate dignity, the human remains and items associated with Native Americans.

Background Research

Cultural Records Search Results

A search of the California Historical Resources Information System (CHRIS) was completed for the current proposed Project site and a ½-mile radius on behalf of Dudek by staff at the NWIC on May 29, 2024 (Confidential Appendix B). This search included a review of their collection of mapped prehistoric, historical, and built-environment resources, Department of Parks and Recreation Site Records, technical reports, historical maps, and local inventories. Additional consulted sources included the NRHP, California Inventory of Historical Resources/CRHR and listed Office of Historic Preservation Archaeological Determinations of Eligibility, California Points of Historical Interest, and California Historical Landmarks.

Previously Conducted Studies

NWIC records indicate that 12 previous cultural resources technical investigations have been conducted within ½-mile of the proposed Project site, of which four have addressed portions of the proposed Project site (Table 1).

Table 1. Previous Technical Studies

Report Number	Date	Title	Author
Reports within the Project Site			
S-000595	1974	A Report on the Status of Generally Available Data Regarding Archaeological, Ethnographic, and Historical Resources Within a Five Mile Wide Corridor Through Portions of Colusa, Yolo, Solano, and Contra Costa Counties, California	King, R. F.
S-009795	1986	Late Prehistoric Obsidian Exchange in Central California	Jackson, Thomas Lynn
S-017835	1982	Biological Distance of Prehistoric Central California Populations Derived from Non-Metric Traits of the Cranium	Suchey, Judy Myers
S-030204	1977	The Distribution and Antiquity of the California Pecked Curvilinear Nucleated (PCN) Rock Art Tradition.	Gillette, Donna L.
Reports within the ½ –Mile of the Project Site			
S-004991	1980	Western Leg - Alaska Highway Pipeline Project: Cultural Resources, Volume II, Pacific Gas Transmission Company, Pacific Gas and Electric Company, Evaluation of Previously Recorded Archaeological Sites	Wirth Associates, Inc.
S-004991a	1982	Alaska Gasline PEA	Smith, J. Christina

Table 1. Previous Technical Studies

Report Number	Date	Title	Author
S-005207	1964	A Survey of Archeological Resources Along the Pacific Gas and Electric Company's Canadian Gas Line in California.	Arnold, Brigham
S-012300	1990	Final Cultural Resources Assessment Report, PGT-PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California, Phase 1: Survey, Inventory, and Preliminary Evaluation of Cultural Resources	Michael J. Moratto, Thomas L. Jackson, Richard Pettigrew, Randall F. Schalk, David Chavez, Eric C. Gibson, Claudia B. Hemphill, Christian J. Miss, Barry A. Price, Melinda Romano, C. Kristina Roper, Brian P. Wickstrom, Michael S. Burney, Clayton G. Lebow, Jon Silvermoon, and Michael K. Crist
S-012300a	1990	Cultural Resources Assessment Report, PGT-PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California, Phase 1: Cultural Resources Inventory Atlas	Moratto, Michael J. and Jackson, Thomas L.
S-017298	1991	Archaeological Testing and Evaluation Report, 1990 Field Season, and Historic Properties Treatment Plan, for 1991 Field Season, PGT-PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California. Volume I: Synopsis of Testing and Evaluation and Historic Properties Treatment Plan	Michael J. Moratto, Thomas L. Jackson, Richard M. Pettigrew, Barry A. Price, Susan K. Goldberg, John Holson, Randall F. Schalk, Robert Bryson, Melissa Darby, Jeff Hall, Clayton G. Lebow, Gordon Lothson, Christian Miss, Melinda Romano, Kristina Roper, Rae Schwaderer, Dwight D. Simons, Lou Ann Speulda, Gerald Weber, Brian Wickstrom, and Judith A. Willig
S-017298a	1991	Archaeological Testing and Evaluation Report, 1990 Field Season, and Historic Properties Treatment Plan, for 1991 Field Season, PGT-PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California: Volume II.D: California Descriptive Reports and Data Compendia-Prehistoric Sites	John J. Holson, Thomas L. Jackson, Jeffrey T. Hall, Charles H. Miksicek, Dwight D. Simons, Kristina Roper Wickstrom, Rae

Table 1. Previous Technical Studies

Report Number	Date	Title	Author
			Schwaderer, Gerald Weber, Brian P. Wickstrom, Mary Kathleen Davis, John L. Edwards, Jay King, Thomas M. Origer, Christopher M. Stevenson, John Salter, Lisa Stinson, and Jessica Van der Feen
S-017298b	1991	Archaeological Testing and Evaluation Report, 1990-1991 Field Season and Historic Properties Treatment Plan for 1991 Field Season, PGT-PG&E Pipeline: Volume III, Synopsis of Testing and Evaluation, Historic Sites	Michael Ostrogorsky, Roberta S. Greenwood, Adrian Praetzellis, and Lou Ann Speulda
S-017298c	1991	Archaeological Testing and Evaluation Report, 1990-1991 Field Season, and Historic Properties Treatment Plan for 1991 Field Season, PGT-PG&E Pipeline: Volume IIID, Descriptive Reports and Data Compendia, Historic Sites, California	Adrian Praetzellis, Mary Praetzellis, Susan H. Alvarez, and Karana Hattersley-Drayton
S-022736	2000	Final Cultural Resources Inventory Report for Williams Communications, Inc., Fiber Optic Cable System Installation Project, Point Arena to Robbins and Point Arena to Sacramento, California: Volume I	Jones & Stokes Associates, Inc.
S-022736a	2000	Volume II - Project Maps: Final Cultural Resources Inventory Map Atlas for the Williams Communications, Inc. Fiber Optic Cable System Installation Project, Point Arena to Robbins and Point Arena to Sacramento, California	Jones & Stokes Associates, Inc.
S-022736b	2000	Volume III, Technical Appendices: Final Cultural Resources Inventory Report for the Williams Communications, Inc. Fiber Optic Cable System Installation Project, Point Arena to Robbins and Point Arena to Sacramento, California	Jones & Stokes Associates, Inc.
S-023674	1994	Archaeological Investigations, PGT-PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California: Volume 1 Project Overview, Research Design and Archaeological Inventory	Michael J. Moratto, Richard M. Pettigrew, Barry A. Price, Lester A. Ross, Randall F. Schalk, Rick Atwell, Andrew Bailey, Gary Bowyer, Robert U. Bryson, Tim Canaday, Dianne Gardner, William Hildebrandt, Kurt T. Katsura,

Table 1. Previous Technical Studies

Report Number	Date	Title	Author
			Clayton G. Lebow, Pat Mikkelsen, Scott Mumma, Lynda Sekora, Nancy D. Sharp, Craig Skinner, Lou Ann Speulda, Sharon Waechter, and Judith A. Willig
S-023674a	1995	Volume IIC, Book 1 and 2 Summary Reports: Prehistoric Sites, California	William R. Hildebrandt, Patrica J. Mikkelsen, Amy G. Gilreath, Sharon A. Waechter, John E. Berg, Paul D. Bouey, C. Kristina Roper, Randall T. Milliken, Ricky G. Atwell, Andrew J. Bailey, Kelly McGuire, Clayton G. Lebow, Kurt T. Katsura, and Jill Onken
S-023674b	1996	Volume III Summary Reports: Historic Sites, Archaeological Investigations, PGT- PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	Gary C. Bowyer, Lou Ann Speulda, Lynda J. Sekora, Lester A. Ross, Andrew J. Bailey, David Conca, Fred Crisson, David De Vries, Charles M. Hodges, Michael Ostrogorsky, Nancy Renk, and David G. Weatherby
S-023674c	1995	Volume IV Synthesis of Findings: Archaeological Investigations, PGT- PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	Ricky G. Atwell, William R. Hildebrant, Clayton G. Lebow, Patricia Mikkelsen, Michael J. Moratto, Richard M. Pettigrew, Lester A. Ross, Randall F. Schalk, Lynda J. Sekora, Lou Ann Speulda, Gary C. Bowyer, Charles M. Hodges, Deborah Jones, Michael Ostrogorsky, and Nancy D. Sharp

Table 1. Previous Technical Studies

Report Number	Date	Title	Author
S-023674d	1995	Volume V Technical Studies: Archaeological Investigations, PGT-P&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	Robert U. Bryson, Craig E. Skinner, Richard M. Pettigrew, Kenneth R. Bethard, Gary C. Bowyer, Catherine S. Fowler, Amy J. Gilreath, Douglas R. Harro, Williams R. Hildebrandt, Sally Ishikawa, Patricia Mikkelsen, Janet M. Mitchell, Michael J. Moratto, Scott Mumma, Margaret Newman, Kathryn Puseman, Matthen J. Root, Linda Scott-Cummings, Nancy D. Sharp, Nancy A. Stenholm, Gerald Upshaw, Philip R. Watson, and Eric Wohlgemuth
S-023674e	1995	Volume V Technical Studies Appendices Book 1-3: Archaeological Investigations, PGT- PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	Richard M. Pettigrew, Sandra Barnes, Janet M. Mitchell, Patricia Mikkelsen, and William Hildebrandt
S-023674f	1994	37.0 Site CA-CCO-368	Sharon Waechter*, Jill Onken**, Amy Gilreath*, Paul D. Bouey*, Eric Wohlgemuth*, and Nancy D. Sharp**
S-023674g	1992	36.0 Site CA-SOL-348	C. Kristina Roper and Barry A. Price
S-034834	2005	Historic Property Survey Report for a Bridge Replacement, Eastcamp Road/Spring Creek, Colusa County, California; Bridge No. 15C102	Peak, Melinda A.
S-034834a	2005	Archaeological Survey Report for a Bridge Replacement, Eastcamp Road/Spring Creek, Colusa County, California; Bridge No. 15C102	Peak, Melinda A.
S-047656	1992	Final Cultural Resources Monitoring Plan for "A" Construction Spreads, PGT-PG&E Pipeline Expansion Project	Michael J. Moratto, Judith A. Willig, Charles Hodges, Barry

Table 1. Previous Technical Studies

Report Number	Date	Title	Author
			A. Price, Craig Skinner, Mary Feagins, Clyde Woods, Dianne Gardner, and Cassandra Hamphill

Previously Identified Cultural Resources

CHRIS records indicate that there are no archaeological or built-environment resources on file within the project site and ½-mile record search buffer.

Archival and Building Development Research

Dudek consulted historic maps and aerial photographs to understand development of the proposed Project site and surrounding properties. Topographic maps were available from 1907, 1916, 1918, 1942, 1948, 1955, 1960, 1969, 1975, 2012, 2015, 2018, and 2021 (NETR 2024a). The earliest topographic map depicts East Camp Road to the west of the Project site, with Walnut Drive forming the Project's northern border appearing in 1948. Transmission lines associated with the Cortina Substation are depicted to the west of, but not intersecting the Project APE. The 1955 topographic map is the first to depict structures along Walnut Drive to the north of the Project site. The residential structures that border the Project site to the northwest first appear in the 1960 map. There are no evident changes or development within the Project APE itself.

Aerial photographs were available for the project area from 1958, 1973, 1983, 1998, 2005, 2009, 2010, 2012, 2014, 2016, 2018, and 2020 (NETR 2024b). The aerial images are consistent with the topographic maps, with the 1958 image showing Walnut Drive, residential structures along Walnut Drive, and the Project area in use as an agricultural field. The 2009 image shows the Project area as it is today, in use as an orchard. No other development is evident within the Project area on any of the aerial images.

NAHC and Tribal Correspondence

On June 25, 2024, Dudek requested a NAHC search of their Sacred Lands File for the area of the Project site. To date, the NAHC results have not been received but will be appended as an update to this report upon receipt.

The proposed Project is assumed to be subject to compliance with Assembly Bill 52 (PRC Section 21074), which requires consideration of impacts to "tribal cultural resources" as part of the CEQA process and requires the CEQA lead agency to notify any groups (who have requested notification) of the Project who are traditionally or culturally affiliated with the geographic area of the Project. Because AB 52 is a government-to government process, all records of correspondence related to AB 52 notification and any subsequent consultation are on file with the lead agency. Should this Project require California Energy Commission review, additional requirements relating to Tribal engagement may apply in the future – including contacting Native American tribes with a request for information and input on the Project location to support Inventory efforts, both for archaeological resources and Tribal Cultural

Resources. As it is uncertain who the CEQA lead agency is at this time, Dudek has not contacted Tribes in order to ensure that we do not interfere with the AB 52 process.

Intensive Pedestrian Survey

On June 21, 2024, Dudek archaeologist Michael Mendiola conducted an intensive pedestrian survey of the Project site using standard archaeological procedures and techniques that meet the Secretary of Interior's Standards and Guidelines for cultural resources inventory. Exposed ground surfaces were inspected for surface artifacts, undisturbed areas, archaeological deposits, and historic era (older than 45 years in age) features or structures. Periodic boot scrapes were employed to expose additional ground surface. Evidence of artifacts and archaeological deposits were also opportunistically sought after in animal burrows, natural subsurface exposures, and other areas with disturbed soil.

The landscape of the Project site is dominated by an orchard. The soil in this area is heavily disturbed and impacted medium brown loam with poorly sorted granitic pebbles. Surface visibility was good throughout the Project site. There were no examples of exposed subsurface stratigraphy present within project boundaries or nearby. No historic era features or structures, or archaeological resources, were observed within the Project site during the field survey. The closest structure was an occupied house to the NW of the site, just outside the Project boundary. The Project is bordered by Walnut Road to the north, and on the southern side of the road there is an old culvert running west to east along the length of the project.

Geomorphology

Potential for yet identified cultural resources in the vicinity was reviewed against geologic and topographic GIS data for the area and information from other nearby projects. The "archaeological sensitivity," or potential to support the presence of a buried prehistoric archaeological deposits, is generally interpreted based on geologic landform and environmental parameters (i.e., distance to water and landform slope).

The Project site is located within the Great Valley Geomorphic Province of California, a large basin comprised of the Sacramento and San Joaquin Valleys, bounded by the Sierra Nevada and Coast Ranges to the east and west respectively. Specifically, the Project site is situated within the Spring Creek Watershed.

The project site is a flat agricultural field. Soils mapped within the project site consist of Myers Clay and Capay Clay series (USDA 2024). These soils consist of very deep, well to moderately well drained soils on flood basins and alluvial fans. These soils formed in alluvium derived from mixed sources (Myers) and in fine textured alluvium derived from mostly sandstone and shale (Capay).

The Project site would be low-to-moderately-well suited to support the formation of buried cultural deposits or surface manifestations. Given the heavy ground disturbance from agricultural activity in the area and review of this information, the project site has low-to-moderate archaeological sensitivity.

Summary and Management Recommendations

No archaeological resources were identified within the Project site as a result of Inventory efforts. No direct Tribal engagement has occurred as part of this study. This may be required in the future, depending on reviewing agency requirements. Please note that present efforts have not addressed historic built environment considerations, especially with regard to such resources that may fall in the surrounding Area of Indirect Effect (Indirect APE). Some agencies, notably the California Energy Commission, do require consideration of indirect impacts. As noted in the summary of review of historic topographic maps and aerial imagery, there are features and structures that are older than 45 years in age within the surrounding area, outside the Project site.

Archaeological Resources

Unanticipated Discovery of Archaeological Resources

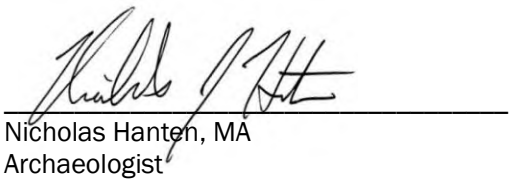
In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed Project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Recommendations will be dependent upon the potential for the find to be considered significant under CEQA (14 CCR 15064.5(f); PRC Section 21082). If the discovery proves potentially significant under CEQA, coordination with the lead agency and other designated parties is likely to be required. Additional work such as preparation of an archaeological treatment plan, testing, or data recovery may be warranted and should be developed based on the conditions and nature of the find.

Unanticipated Discovery of Human Remains

In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the County Coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the County Coroner has determined, within 2 working days of notification of the discovery, if the potential remains are human in origin. If the County Coroner determines that the remains are, or are believed to be, Native American, the County Coroner shall notify the NAHC in Sacramento within 24 hours. In accordance with California Public Resources Code, Section 5097.98, the NAHC must immediately notify those persons it believes to be the most likely descendant (MLD) from of the deceased Native American. The MLD shall provide recommendations on next steps within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains and/or related burial goods.

If you have any questions about this report, please contact me at nhanten@dudek.com

Sincerely,



Nicholas Hanten, MA
Archaeologist

cc: Adam Giacinto, MA, RPA, Dudek
Ronelle Candia, Dudek

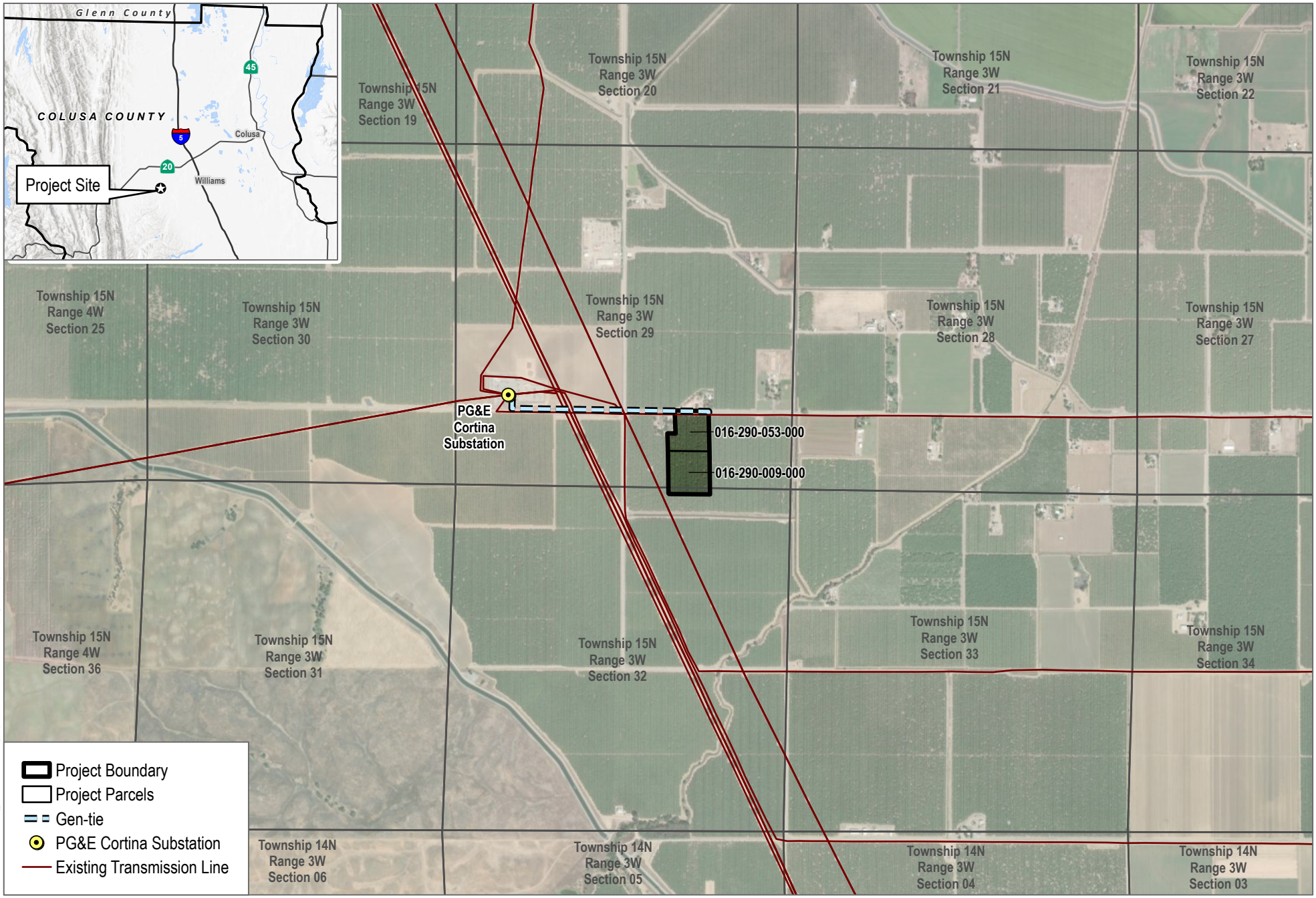
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NETR (Nationwide Environmental Title Research). 2024a. Historical Topographic Maps 1907, 1916, 1918, 1942, 1948, 1955, 1960, 1969, 1975, 2012, 2015, 2018, and 2021. Accessed June 25, 2024. www.historicaerials.com.

NETR 2024b. Historical Aerials 1958, 1973, 1983, 1998, 2005, 2009, 2010, 2012, 2014, 2016, 2018, and 2020. Accessed June 25, 2024. www.historicaerials.com.

USDA (Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture). 2024. Web Soil Survey. Accessed June 24, 2024. http://websoilsurvey.sc.egov.usda.gov/.

Appendix A
Figures



SOURCE: Maxar 2021; Open Street Map 2023; Platts 2023

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Vicinity

Saloon



SOURCE: Maxar 2021; County of Colusa 2022; Open Street Map 2023; Q Cells 2023

DUDEK

0 200 400 Feet

FIGURE 2

Site Plan

Saloon

Appendix B
CHRIS Record Search Results (Confidential)

Appendix C
NAHC SLF Search Results

Appendix F

Built Environment Inventory and Evaluation Report

BUILT ENVIRONMENT INVENTORY AND EVALUATION REPORT
for the
Saloon Energy Storage Project
Colusa County, California

Prepared For:

Dudek and Kimley Horn

Prepared By:

Meta Bunse, Principal / Architectural Historian
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December 2024

SUMMARY OF FINDINGS

Saloon Energy Storage, LLC, is proposing to build a battery energy storage system (BESS) in rural Colusa County about 4.5 miles southwest of Williams near the intersection of Beauchamp Drive and East Camp Road. The Project is required to comply with the California Environmental Quality Act (CEQA) as it pertains to historical resources. JRP Historical Consulting, LLC (JRP) prepared this Built Environment Inventory and Evaluation Report under contract with Dudek to assist in CEQA compliance (CEQA Guidelines Section 15064.5). This report is also being prepared for potential project compliance with Section 106 of the National Historic Preservation Act.

In preparing this report, JRP identified four historic-period (built in 1979 or earlier) resources in the Project Area of Potential Impact (API) that required survey and evaluation. These resources were evaluated under Section 15064.5(a)(2)-(3) of the CEQA Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code (PRC). JRP also evaluated these resources in accordance with Section 106 of the National Historic Preservation Act of 1966 (as amended) (54 U.S.C. 306108) and its implementing regulations in Title 36 Code of Federal Regulations Part 800 (36 CFR Part 800). In addition to these four resources, JRP identified one resource in the API that was previously found eligible for the California Register of Historical Resources (CRHR) and National Register of Historic Places (NRHP) and is a historical resource under CEQA. This resource is the PG&E Pit to Vaca-Dixon No. 1 Transmission Line constructed 1920-1923. The State Historic Preservation Officer (SHPO) concurred with the determination of eligibility in 2017. Fieldwork for the current project found this historical resource to be unchanged in the API since 2017.[1]

This study concludes that none of the other four newly evaluated resources meet the eligibility criteria for listing in the CRHR or NRHP, and none of these are historical resources under CEQA. Each resource has been assigned a map reference (MR) number and their locations are shown on the maps in **Appendix A**. California Department of Parks and Recreation (DPR) 523 forms documenting and evaluating the four resources are in **Appendix B**. The previous evaluation record and determination of eligibility for the PG&E Pit to Vaca-Dixon No. 1 transmission line (MR 3) are provided in **Appendix C**.

[1] JRP Historical Consulting, LLC, "Pit No. 3 – Pit No. 1 230 kV NERC Project, Shasta-Trinity National Forest, and Lassen National Forest, Shasta County, Historical Resources Inventory and Evaluation Report," prepared for PG&E, 2017; Julianne Polanco, State Historic Preservation Officer to Russell Hays, Forest Supervisor, Lassen National Forest, Re: Determination of Eligibility for the Pit 3 – Pit 1 Transmission Line and Pit to Vaca-Dixon No. 1 Transmission Line, August 30, 2017 (see Appendix C).

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APPENDICES

Appendix A: Maps

Figure 1: Project Vicinity
Figure 2: Project Location
Figure 3: Area of Potential Effects

Appendix B: DPR 523 Forms Prepared for this Study

Appendix C: Previous Evaluation and Correspondence

1 PROJECT DESCRIPTION

Saloon Energy Storage, LLC, is proposing to build a battery energy storage system (BESS) in Colusa County about 4.5 miles southwest of Williams near the intersection of Beauchamp Drive and East Camp Road. The Project will include the development of a 150-megawatt BESS facility that would deliver and receive power from the Pacific Gas & Electric (PG&E) Cortina Substation located approximately 0.5 miles west of the Project site. Utilizing battery technology similar to that used in electric vehicles, the Project would provide additional capacity to the electrical grid to assist with serving load during periods of peak demand by charging when demand is low and discharging when demand is high. This accommodates the integration of additional intermittent renewable energy sources, such as wind and solar, and reduces the need to operate natural gas power plants. The Project would also serve as an additional local capacity resource that would enhance grid reliability.

The Project is designed to charge or discharge electricity to and from the grid via battery storage cabinets with associated on-site support facilities consisting of a substation, inverters, collector lines, fencing, all-weather access roads, operations and maintenance building, supervisory control, a supervisory control and data acquisition system, and other ancillary facilities or equipment. The Project would also include a 115 kV underground gen-tie line that will extend from the Project site west approximately 0.5 miles to the PG&E Cortina Substation. An expansion of the existing Cortina Substation footprint would not be required for the Project.

The Project facilities will be remotely operated year-round and will be available to receive or deliver electrical energy to the grid 24 hours a day, 365 days a year. After commissioning and during the operational life of the Project, qualified technicians would routinely inspect the battery energy storage system and conduct necessary maintenance to ensure safe operational readiness. If an issue arises, the system can be remotely shut down and de-energized.

2 RESEARCH AND SURVEY METHODS

For this project, JRP applied the evaluation criteria of the CRHR and NRHP to four resources 45 years old or older (i.e., built in 1979 or earlier). JRP conducted research to determine dates of construction, ownership history, and development history of the resources utilizing local government records such as county assessor data, as well as historic maps, aerial photographs, newspaper articles, and published county histories. JRP also used documents from its in-house library and archives and historical information available online. As part of an effort to identify previously documented resources in the study area, JRP reviewed the results of a records search conducted at the Northwest Information Center (NWIC) of the California Historical Resources Information System at Sonoma State University on May 29, 2024, at the request of Dudek (Records Search No. 23-1554). The search results reported no previously identified resources within the API, however, JRP previously evaluated the PG&E Pit to Vaca-Dixon No. 1 Transmission Line for a separate project and that line passes through the API (see **Appendix C**). It is reported herein as (MR 3) and was field checked for any visible changes since its determination of eligibility in 2017; none were noted.

Additionally, JRP reviewed the California Historical Resources list curated by the California Office of Historic Preservation (OHP), which includes resources listed in the NRHP and CRHR; OHP Built Environment Resource Directory (BERD), a list of all resourced reviewed for eligibility to the NRHP and the California Historical Landmarks programs through federal and state environmental compliance laws, and resources nominated under federal and state registration programs.[2]

JRP conducted fieldwork in the project area on October 31, 2024. Field survey consisted of photographing the five resources located within the project API and noting their materials, design, visible alterations, and setting.

JRP sent emails to potential interested parties the Colusa County Historical Society in Colusa and the Sacramento Valley Museum in Williams on November 11, 2024. As of the preparation of this report, no response has been received from either party.

[2] California OHP, Built Environment Resources Directory, Colusa County, accessed November 2024 at https://ohp.parks.ca.gov/?page_id=30338; California OHP, California Historical Resources, Colusa County, accessed November 2024 at https://ohp.parks.ca.gov/listedresources/.

3 HISTORICAL OVERVIEW

This report presents the conclusion of the evaluation of four resources within the project API for CRHR / NRHP eligibility (**Table 1**). (One resource within the API was previously determined eligible for CRHR / NRHP and its status remains unchanged.) The API is on the western edge of the Sacramento Valley about four and one-half miles southwest of Williams. The dates of construction of the evaluated resources are between 1947 and 1952 and include two electrical transmission lines, one electrical substation, and one rural residential property. The following section provides the historic context for these properties and brief property histories of each. Full property histories are provided in the DPR 523 forms in Appendix B.

Table 1

Map Reference No.	Resource Name	Year Built
1	Cortina Substation	1951
2	PG&E Shasta-Vaca Transmission Line	1945-1947
3	PG&E Pit to Vaca-Dixon No. 1 Transmission Line	1920-1923
4	CVP Shasta-Tracy Transmission Line	1949-1952
5	5266/5270 Walnut Drive	1949

3.1 Early History of Study Area

Title to the land in the study area and vicinity passed from the public domain into private hands in 1867 and 1868 by way of several General Land Office cash entry patents conveyed to Jesse Curl Stovall. Stovall and Jefferson Wilcoxson had already started the Stovall-Wilcoxson Company in the 1850s as a ranching and farming firm, acquiring land in western Colusa County piecemeal during the 1850s and 1860s until they had amassed about 36,000 acres of farmland and rangeland. Their holdings ran from just west of Williams in the vicinity of the study area and continued west into the foothills of the Cortina Ridge to Bear Valley. Stovall-Wilcoxson cultivated wheat and barley on their flat valley land, while using their property in the foothills as cattle range. Stovall-Wilcoxson proved to be a profitable venture through the late nineteenth century with the company also acquiring commercial property in Williams and starting the Bank of Williams. Jefferson Wilcoxson died in 1897, and Jesse C. Stovall passed away in 1902, after which ownership and management of the company passed to Stovall's two sons, James M. Stovall and H. Curl Stovall. The study area during the period of Stovall-Wilcoxson ownership was likely used for grain cultivation given its location on the valley floor.[3]

[3] "S.F. Paper Tells of Subdivision in Colusa County," *Colusa Daily Sun*, May 8, 1922, 1; J. M. Guinn, *History of the State of California and Biographical Record of the Sacramento Valley* (Chicago: Chapman Publishing Co., 1906), 291, 292, 510, 1501, 1502; General Land Office Records, Patents Search, T15N/R3W, accessed October 2024 at https://glorecords.blm.gov/search/default.aspx; DeJarnatt & Crane, *Official Map of Colusa County, California* (San Francisco: Britton & Rey, 1885).

The Stovall-Wilcoxson holdings remained intact until 1919 when a group of twelve investors bought all of the company's property, except for the bank, for about $2 million. In 1921, the new owners sold 5,100 acres of the former Stovall-Wilcoxson land that included the land in the API to the newly-formed Colusa County Land Company (CCLC). The CCLC subdivided the tract into small farm parcels, mostly between 10 and 40 acres, and marketed them as ideal for orchards or vineyards. Shortly after acquiring the former Stovall-Wilcoxson land, the CCLC successfully lobbied for the tract to be annexed into the Glenn-Colusa Irrigation District, thus providing a dependable source of water and raising property values. The company had sales offices in Williams, San Francisco, and Los Angeles. By the mid-1920s, some of the land in the CCLC subdivisions had been sold and planted in walnut orchards and rice fields.[4]

Sale of the CCLC holdings was relatively slow and by October 1927, the company was ready to accept an offer from R.P. Sherman of the Sherman Company for a large tract of 3,171 acres, including land in the Project area. The Sherman Company sold the same land to the Williams Land & Development Company (WLDC) in 1929. This company then subdivided a large portion of that land west of East Camp Road into small farm lots, including the area that would later be occupied by the Cortina Substation (MR 1). In 1931, the WLDC sold most of the land it bought in 1929 back to the Stovall-Wilcoxson Company.[5]

3.2 5266 / 5270 Walnut Drive

The property at 5266 / 5270 Walnut Drive (MR 5) encompassed a portion of Lot 37 of the CCLC Subdivision No. 3. Edward G. Hurt was the first individual to purchase a portion of the lot when he entered into an agreement with the Sherman Company in 1928 to buy the ten-acre west half of Lot 37 for $1,750. Hurt and his wife Maude were from Azusa, California, and moved to Colusa County upon acquisition of the ten-acre parcel. They built a house and several outbuildings and started a small farm on the property that included about six acres of orchards by 1937, and Edward supplemented their income by working as a janitor at Williams High School. Hurt acquired fee title to the parcel in 1943 after satisfying the agreement, and following his death in 1948, the property passed to his wife, Maude Hurt.[6]

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[4] "$200,000 Deal: Valley Men Buy Stovall Ranch," *Colusa Sun-Herald* (August 9, 1919): 1; "May Meet Demand for Small Tracts," *Colusa Sun-Herald* (June 21, 1921): 1; "Colusa Land Co. Holdings Now Part of G.-C. District," *Colusa Sun-Herald* (August 3, 1922): 1; "County Records," *Colusa Sun-Herald* (March 20, 1926): 4; "Supervisors Proceedings," *Colusa Sun-Herald* (December 21, 1925): 3; Colusa County Assessor, Assessor Map 16-29; "Chas. Myers Buys Forty Thousand Bags for Rice," *Colusa Sun-Herald* (August 13, 1926): 1; "Colusa County Land Company to Plant More than 500 Acres," *Colusa Sun-Herald* (October 22, 1927): 1; Patricia Ash, *Williams* (San Francisco: Arcadia Publishing, 2012), 99, 108, 109.

[5] Colusa County Assessor, Assessor Map 16-27; "Colusa…More than 500 Acres," 1; "County Records," *Colusa Sun-Herald* (October 22, 1927): 2; "County Records," *Colusa Sun-Herald* (February 26, 1929): 2; "County Records," *Colusa Sun-Herald* (February 7, 1931): 4; "Delinquent Tax List," *Colusa Sun-Herald* (June 4, 1932). 8.

[6] "Death Takes E.G. Hurt of Williams," *Colusa Sun-Herald*, April 16, 1948, 1; Colusa County Assessor, Assessor Map 16-29; "County Records," *Colusa Sun-Herald*, June 26, 1934, 2; Laval Company, Inc., Aerial Photograph, Flight AYY-1937, Photo No. 99-23, September 24, 1937; "County Records," *Colusa Sun-Herald* (May 26, 1943): 2; "County Records," *Colusa Sun-Herald* (June 3, 1948): 2.

The ten-acre east half of Lot 37 similarly came into individual ownership when James Algeo executed a 1929 agreement to purchase it from the Sherman Company for $1,750, in installments. Algeo began growing alfalfa on the tract and built a small barn soon thereafter and he obtained full title to the property in 1939 from the Stovall-Wilcoxson Company. Algeo bought the 29-acre lot adjacent to the south (Lot 38) in 1943. Algeo was from Los Angeles and never resided on the property and does not appear to have purchased additional Colusa County property or to have had any other connection to the area. In 1953, Algeo sold the east half of Lot 37 to Ida A. Young, the mother of Maude Hurt. Young then sold the property to her daughter in 1958, resulting in Maude Hurt owning the entirety of Lot 37. By this time, Hurt had also acquired Lot 38 and the orchards had been replaced with another crop, possibly alfalfa or rice. Hurt owned the property into the 1970s. Currently, the four small parcels constituting the study property are owned by different parties than the adjacent parcels planted in almond orchards.[7]

3.3 Electrical Infrastructure Development

3.3.1 PG&E

In 1905, PG&E formed out of the California Gas & Electric Company and the San Francisco Gas & Electric Company, and the purchase of several other smaller northern California electricity companies. From then until the beginning of World War II, PG&E pursued an aggressive program of improving and expanding its system and service area by acquiring other power companies and building new generating plants, substations, and transmission lines to meet steadily increasing demand for electricity. During this era PG&E became the dominant electricity provider in northern and central California.[8]

Following World War II, California experienced a period of unprecedented growth in nearly every sector of the economy. New houses were being built, industry expanded, and agriculture flourished, all of which combined to create a high demand for electricity. During the war, PG&E had to put new construction on hold, so upon the war's end, its electrical production capabilities struggled to supply the rapidly expanding needs of the public. Compounding the problem was a drought in 1946 that reduced PG&E's hydroelectric generating capacity. PG&E president James B. Black responded by announcing the largest construction program in the firm's history in September 1946. The $800 million program called for new construction and improvements to existing facilities over a five-year period between 1946 and 1951. Major parts of the program

[7] "County Records," *Colusa Sun-Herald* (August 20, 1929): 3; "Southern California Men Inspect Project in Williams Section," *Colusa Sun-Herald* (July 7, 1930): 1; Laval Company, Inc., Aerial Photograph, Flight AYY-1937, Photo No. 99-23, September 24, 1937; "County Records," *Colusa Sun-Herald* (October 31, 1939): 2; "County Records," *Colusa Sun-Herald* (November 13, 1943): 2; "County Records," *Colusa Sun-Herald* (September 21, 1953): 2; "County Records," *Colusa Sun-Herald* (August 7, 1958): 2; "Williams Couple Married," *Colusa Sun-Herald* (January 30, 1956): 1; "Former Williams Resident Dies," *Colusa Sun-Herald* (October 9, 1979): 6; "County Records," and "Delinquent Assessment List of the Glenn-Colusa Irrigation District," *Colusa Sun-Herald* (December 17, 1951): 2; HistoricAerials.com, aerial photographs, 1958, 1973.

[8] James C. Williams, *Energy and the Making of Modern California* (Akron: OH: University of Akron Press, 1998), 182.

included new hydroelectric plants on the Mokelumne River, a new steam plant in Bakersfield, and expansion of plants in San Francisco and Eureka, as well as hundreds of miles of new transmission lines, and dozens of new or expanded substations. The plan ultimately added more than one million horsepower to PG&E's system, giving it a total of 3.5 million horsepower by 1951.[9]

Construction of the PG&E Shasta-Vaca Transmission Line (MR 2) was part of PG&E's post-war expansion to meet increasing demand in the Bay Area, and specifically was built to deliver power generated at the company's new Pit River No. 5 powerhouse, to the Vaca-Dixon Substation. Planning for the line began in October 1944 when PG&E approved an expenditure of $3.6 million for the project. Work commenced in 1945, and the new line was finished in April 1947, built on the same right-of-way as a line erected in the early 1920s for the Pit to Vaca-Dixon No. 1 220 kV line. When completed, the new line carried one 220 kV circuit. The tower design utilized for the line was able to carry two circuits, and in April 1948, PG&E strung a second 220 kV circuit on same towers. PG&E referred to this line as the Shasta – Vaca 220 kV Transmission Line because it ran from the PG&E's Shasta Substation to the Vaca-Dixon Substation. The line continues to carry power to the Vaca-Dixon Substation.[10]

PG&E also built the Cortina Substation (MR 1) as part of this post-war expansion effort. The company purchased the 79-acre tract for the new substation in March 1951 from the Stovall-Wilcoxson Company. The substation was part of a project to supply electricity to Lake, Mendocino, and Sonoma counties and included construction of a 110 kV transmission line from the Cortina Substation to Calpella in Mendocino County, a 60 kV transmission line from Calpella to the town of Upper Lake, Lake County, and new substations at Calpella and Upper Lake. The new Cortina Substation received its power from the existing 220 kV lines originating at the PG&E Pit River powerhouses, which passed directly over the substation property.[11]

In 1953, PG&E connected the Cortina Substation into the 60 kV local distribution transmission network that served the west side of the central Sacramento Valley to meet increasing demand in

[9] "PGandE," *Colusa Sun-Herald* (July 21, 1947): 2; "PGE to Spend $160,000,000 on New Construction Program," *San Francisco Examiner* (September 23, 1946): 24; "$300,000,000 PGE Expansion Planned," *San Francisco Examiner* (January 16, 1947): 3; Charles M. Coleman, *PG&E of California: The Centennial Story of Pacific Gas and Electric Company, 1852-1952* (New York: McGraw-Hill Book Company, Inc., 1952), 331-335; Cindy L. Baker, PAR Environmental Services, "The Lights Went on All at Once: The History of Electricity in California," prepared for California Energy Commission, June 2003, 31, 32; "PG and E," *Colusa Sun-Herald* (December 29, 1947): 2; "PG&E Seeks Tankers to Raise Power Output," *San Francisco Chronicle* (September 7, 1947): 1.

[10] PG&E, Estimate for Appropriation Work Order, GM 78382, October 11, 1944, Box 35014, PG&E Records Center, Iron Mountain, Livermore, California; "Who Will Get Benefit of CVP Power is Real Point," *Modesto Bee* (May 10, 1948): 22; "$1,500,000 Expansion Program at PG&E Substation Gets Underway," *Vacaville Reporter* (July 19, 1946): 1; "Monitor Writer Tells of Fight Over Shasta Power," *Shasta Courier* (August 22, 1946): 8; "Third 220,000 Volt Transmission Line," *Ripon Record* (December 28, 1945): 1; PG&E, Estimate for Appropriation Work Order, GM 85358, May 17, 1946, Box 38767, PG&E Records Center, Iron Mountain, Livermore, California; PG&E, Binder 97, Electric Transmission Volume 1, Negative 2559, PG&E Archives, 77 Beale Street, San Francisco, California; USGS, *Colusa Quadrangle* (Washington: USGS, 1942); USGS, *Cortina Quadrangle* (Washington: USGS, 1953).

[11] "PGE Pushes Substation at Cortina," *Colusa Sun-Herald* (June 13, 1951): 1; "County Records," *Colusa Sun-Herald* (March 8, 1951): 4.

that region. To accommodate this expanded service area, the company installed $600,000 worth of new equipment at the substation consisting of four high voltage transformers, five circuit breakers, steel overhead support structures, switchgear, and switchboards. These improvements increased the amount of power available in the area and increased the distribution flexibility of the regional network. PG&E expanded the capacity of the Cortina Substation again in 1970 when it installed new transformers and added another 60 kV distribution line running out from the substation. The substation underwent subsequent expansions in about 2000 and 2010, which included new equipment and several new buildings.[12]

3.3.2 Central Valley Project

The Shasta – Tracy Transmission Line (MR 4) was originally constructed by the US Bureau of Reclamation (USBR) as part of the Central Valley Project (CVP). The transmission line originally carried two 230 kilovolt (kV) circuits from the hydroelectric generating plant at Shasta Dam to the CVP Tracy Pumping Plant. At the time of its planning and construction, the USBR referred to the line as the Shasta-Tracy No. 1 and 2, or the west side transmission line, because it ran along the western edge of the Sacramento Valley. The USBR built the Shasta – Tracy Transmission Line in segments, the first completed was a short 30-mile section from Shasta Dam to Shasta Substation near Redding in 1948. Debates in Congress over funding the remainder of the line south to Tracy delayed further construction for two years. The debate centered around whether electrical transmission should be a public (government) or a private enterprise. PG&E flexed its political muscle in favor of private ownership and its influence contributed to the long delay. In August 1949, Congress finally approved funding for the Shasta – Tracy Transmission Line and work between the Shasta Substation and Tracy finally commenced.[13]

The USBR awarded construction contracts to different firms for each segment. The segment of the Shasta – Tracy Transmission Line in the study area was the 66-mile Artois (Glenn County) to Madison (Yolo County) section. The USBR advertised for construction bids on this section in April 1950 and awarded the contract to the Edwards Construction Company. The contract covered the erection of 296 steel towers and stringing conductors. Bethlehem Steel of San Francisco fabricated the steel towers. Edwards Construction Company finished work on the segment in August 1951, leaving the Rio Vista to Tracy section as the only unfinished segment; workers completed it in 1952. When finished, the Shasta – Tracy Transmission Line carried two 230 kV circuits 215 miles between Shasta Dam and the Tracy Pumping Plant where the electricity powered the six pumps that lifted water 200 feet into the Delta-Mendota Canal, one of the major components

[12] "PGE Substation at Cortina New Source," *Colusa Sun-Herald* (July 21, 1953): 1; "PG&E Construction in County $1.3 Million," *Colusa Sun-Herald* (April 17, 1970): 1; NETROnline, Historic Aerials, various years, accessed November 2024 at https://www.historicaerials.com/viewer.

[13] "Scramble Starts for CVP Water," *San Francisco Chronicle* (July 23, 1948): 16; "Truman Asks $63,000,000 for CVP," *San Francisco Chronicle* (January 11, 1949): 7; "$40 Million to Further CVP Work is Urged," *Sacramento Bee* (May 26, 1948): 1; "Public Power," *San Francisco Chronicle* (August 26, 1949): 1; "Government Suits Involve Hundreds of Landowners," *Corning Daily Observer* (June 5, 1950): 1; "Power Line Bids Called," *Colusa Sun-Herald* (May 15, 1950): 4.

of the CVP. Owing to the importance of the uninterrupted operation of the Tracy Pumping Plant, the USBR built some redundancy into the power transmission system supplying the plant by constructing an east side transmission line from Shasta Dam to Tracy along the eastern edge of the Sacramento Valley via Oroville. That line was completed and carrying power in 1951. As a federal project, the transmission lines from Shasta Dam to Tracy came under the administration of the Western Area Power Administration (WAPA), a federal agency that oversaw the distribution of power generated at USBR projects.[14]

In the early 1990s, the Shasta – Tracy Transmission Line was upgraded to carry a new extra high voltage (EHV) 500 kV circuit from southern Oregon to Tracy. The project was a joint endeavor of WAPA, California-Oregon Transmission Project (COTP) and the Transmission Agency of Northern California (TANC). TANC was formed in 1984 as a joint powers authority consisting of 15 publicly-owned utilities in central California to deliver power from southern Oregon. During planning for the line, TANC considered a route on the east side of the Sacramento Valley that would have required erecting new towers, but ultimately chose the less expensive option of upgrading the Shasta – Tracy west side towers with new cross arms to handle 500 kV. The line was energized in 1993 and remains in operation and owned by TANC.[15]

[14] "Local News in Brief," *Willows Daily Journal* (August 23, 1951): 6; "Artois-Madison Line Bids Are Requested," *Sacramento Bee* (April 7, 1950): 10; "Transmission Line Project Nears Corning Area," *Corning Daily Observer* (June 1, 1950): 1; U.S. Senate, *Hearings Before the Subcommittee of the Committee on Appropriations*, 81st Congress, 2nd Session (Washington: Government Printing Office, 1950), 941; US Bureau of Reclamation, "Central Valley Project Annual Report, 1951," 1951, 6, 23; US Bureau of Reclamation, "Central Valley Project Annual Report, 1952," 1952, 10; "Shasta-Tracy Power Line Job is Done," *Sacramento Bee* (May 1, 1952): 39; USGS, *Colusa Quadrangle* (Washington: USGS, 1942); USGS, *Cortina Quadrangle* (Washington: USGS, 1953).

[15] "New Power Line Will Benefit Redding, Shasta PUD Customers," *Redding Record-Searchlight* (March 18, 1993): 3; "Project Bringing Power from Oregon to TID Customers," *Modesto Bee* (October 9, 1995): 5; "New Power Line Route Won't Cross Bidwell Park," *Chico Enterprise-Record* (November 5, 1985): 3; "Butte Creek Canyon Out for Transmission Line Project," *Paradise Post* (November 8, 1985): 9; TANC, "About TANC," accessed November 2024 at https://www.tanc.us/projects/cotp/; California ISO, "Description of Transmission Lines and Facilities," n.d., accessed November 2024 at https://www.caiso.com/documents/exhibiti-maps.pdf.

4 FINDINGS AND CONCLUSIONS

This report was prepared to assist Saloon Energy with compliance under CEQA as it pertains to historical resources (CEQA Guidelines Section 15064.5). Four resources were recorded and evaluated for this study and one resource was previously evaluated and determined eligible with SHPO concurrence (**Table 2**).[16] Of the four newly evaluated resources, none were found to be eligible for listing in the CRHR or NRHP. The section below summarizes the findings of this report and an evaluation discussion follows. Evaluations are also presented in the DPR 523 forms in **Appendix B** and the previous study in **Appendix C**.

Table 2

Map Reference No.	Resource Name	Year Built	CRHR/NRHP
1	Cortina Substation	1951	Not Eligible
2	PG&E Shasta-Vaca Transmission Line	1945-1947	Not Eligible
3	PG&E Pit to Vaca-Dixon No. 1 Transmission Line	1920-1923	Determined Eligible
4	CVP Shasta-Tracy Transmission Line	1949-1952	Not Eligible
5	5266/5270 Walnut Drive	1949	Not Eligible

4.1 CRHR Criteria

The State of California references cultural resources in CEQA, and archaeological and historical resources are specifically treated under California Public Resources Code (PRC) Sections 21083.2 and 21084.1, respectively. PRC Sections 5020.1 through 5024.6 create the CRHR and set forth requirements for protection of historic cultural resources. JRP applied the CRHR criteria to the four resources in the API for this Project that required evaluation. The criteria for listing properties in the CRHR are set forth in CEQA Guidelines section 15064.5(a)(3) and are as follows:[17]

- Criterion 1: Associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
- Criterion 2: Associated with the lives of persons important in our past;
- Criterion 3: Embodies the distinctive characteristics of a type, period, region or method of construction, or represents the work of an important creative individual or possesses high artistic values;

[16] JRP Historical Consulting, LLC, "Pit No. 3 – Pit No. 1 230 kV NERC Project, Shasta-Trinity National Forest, and Lassen National Forest, Shasta County, Historical Resources Inventory and Evaluation Report," prepared for PG&E, 2017; Julianne Polanco, State Historic Preservation Officer to Russell Hays, Forest Supervisor, Lassen National Forest, Re: Determination of Eligibility for the Pit 3 – Pit 1 Transmission Line and Pit to Vaca-Dixon No. 1 Transmission Line, August 30, 2017.

[17] CEQA—Public Resources Code [PRC] Division 13, Sections 21000-21178; CEQA Guidelines, Section 15064.5(a)(2)-(4) provide the criteria from Section 5024.1 of the California Public Resources Code, and the CRHR is defined in the California Code of Regulations Title 14, Chapter 11.5.

- Criterion 4: Has yielded, or may be likely to yield, information important to the prehistory or history;

Under CEQA Guidelines, Section 15064.5 (a) and PRC Section 5024.1(d)(1)-(2), a "historical resource" is defined as:

- A resource listed in or determined to be eligible by the State Historical Resources Commission for the CRHR;
- A resource included in a local register of historical resources, as defined in section 5020.1(k) of the PRC or identified as significant in an historical resource survey meeting the requirements of section 5024.1(g) of the PRC;
- Any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant, provided the lead agency's determination is supported by substantial evidence in light of the whole record;
- A resource so determined by a lead agency as defined in PRC sections 5020.1(j) or 5024.1;
- Historical resources listed in, or determined eligible for, the NRHP are automatically listed in the CRHR, Section 5024 (d)(1)(2) of the PRC;
- State Historical Landmarks numbered 770 and above.

Historical resources eligible for listing in the CRHR must meet one of the criteria of significance described above and retain enough integrity to be recognizable as historical resources and to convey the reasons for their significance. CEQA defines integrity as the authenticity of an historical resource's physical identity evidenced by the survival of characteristics that existed during the resource's period of significance. Integrity is evaluated with regard to the retention of location, design, setting, materials, workmanship, feeling, and association. It must also be judged with reference to the particular criteria under which a resource is proposed for eligibility.

4.2 NRHP Criteria

Section 106 of the National Historic Preservation Act defines a historic property as a historic district, site, building, structure, or object included in or determined eligible for inclusion in the NRHP. The eligibility criteria for listing properties in the NRHP are codified in 36 CFR Part 60 et seq. and explained in guidelines published by the Keeper of the National Register.

Eligibility for listing in the NRHP rests on twin factors of significance and integrity. A property must have both significance and integrity to be considered eligible. Loss of integrity, if sufficiently great, will overwhelm any historical significance a property may possess and render it ineligible. Likewise, a property can have complete integrity, but if it lacks significance, it is also ineligible.

Historic significance is judged by applying the NRHP criteria identified as Criteria A through D. The NRHP guidelines explain that a historic resource's "quality of significance in American history, architecture, archeology, engineering, and culture" is determined by meeting at least one of the four main criteria at the local, state, or national level:

- Criterion A: association with events that have made a significant contribution to the broad patterns of our history;
- Criterion B: association with the lives of persons significant in our past;
- Criterion C: embodies the distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction;
- Criterion D: has yielded, or is likely to yield, information important in history or prehistory.

Integrity is determined under NRHP guidelines by applying seven factors to a historic resource: location, design, setting, workmanship, materials, feeling, and association. These seven can be roughly grouped into three types of integrity considerations. Location and setting relate to the relationship between the property and its environment. Design, materials, and workmanship relate to construction methods and architectural details. Feeling and association are the least objective of the seven criteria, pertaining to the overall ability of the property to convey a sense of the historical time and place in which it was constructed.

4.3 Significance Evaluation

After conducting research to establish a historic context, performing fieldwork and preparing the histories of the four resources in the APE requiring CRHR / NRHP evaluation, this study concludes that none of the newly evaluated resources are eligible for listing in the NRHP or CRHR.

4.3.1 Cortina Substation

The Cortina Substation does not have important associations with significant historic events, patterns, or trends of development (NRHP Criterion A / CRHR Criterion 1). Construction of Cortina Substation in 1951 occurred during an era of expansive post-World War II growth throughout California and PG&E's associated program of expansion to meet increasing customer demand. The Cortina Substation is a relatively small facility in the PG&E roster of substations and was one of many substations built by the company in the six years following the end of World War II. Thus, the Cortina Substation does not meet these criteria.

Under NRHP Criterion B / CRHR Criterion 2, the Cortina Substation does not have significant associations with the lives of persons important to history. Research into the history of this substation did not reveal any individual associated with this resource who made demonstrably important contributions to history at the local, state, or national level.

Under NRHP Criterion C / CRHR Criterion 3, this property is not significant as an important example of a type, period, or method of construction, nor is it the work of a master engineer. The Cortina Substation is typical in every regard relative to this type of resource. In the arrangement and composition of the transformers, circuit breakers, and switch bus structures, and other equipment of this substation, PG&E utilized common practices for the period and function of this

substation. Additionally, the buildings of the substation are strictly utilitarian and modest in design and appearance, and completely lack architectural distinction.

4.3.2 PG&E Shasta-Vaca Transmission Line

The PG&E Shasta-Vaca Transmission Line does not have important associations with significant historic events, patterns, or trends of development (NRHP Criterion A / CRHR Criterion 1). Construction of the Shasta-Vaca Transmission Line in 1945-1947 occurred during an era of expansive post-World War II growth throughout California and PG&E's associated program of expansion to keep pace with increasing customer demand. Construction of the Shasta – Vaca 220 kV Transmission Line occurred well after the first 220 kV line in California in the early 1920s and was one of many such high voltage lines built by PG&E during the company's 1946-1951 post-war expansion program that provided additional power to the San Francisco Bay Area. As such, it does not have historical importance under these criteria.

Under NRHP Criterion B / CRHR Criterion 2, the Shasta-Vaca Transmission Line does not have significant associations with the lives of persons important to history. Research into the history of this transmission line did not reveal any individual associated with this resource who made demonstrably important contributions to history at the local, state, or national level.

Under NRHP Criterion C / CRHR Criterion 3, this property is not significant as an important example of a type, period, or method of construction, nor is it the work of a master engineer. The transmission towers of the Shasta-Vaca Transmission Line observed during fieldwork are typical in design, materials, and method of construction for their period of construction. These standard design lattice steel towers had been in common use by PG&E and other electric companies for years by the time these were erected. As such, this power line lacks distinction for design and engineering and does not meet eligibility requirements under these criteria.

4.3.3 CVP Shasta-Tracy Transmission Line

Under NRHP Criterion A / CRHR Criterion 1, the CVP Shasta-Tracy Transmission Line is significant as an important component of the CVP but is not eligible for listing in the NRHP or CRHR because it lacks integrity (see integrity discussion below). The Shasta – Tracy Transmission Line delivered power generated at Shasta Dam to the Tracy Pumping Plant. The electrical-powered pumps of this plant lifted water into the Delta Mendota Canal. Operation of the Tracy Pumping Plant was vital to the function of the CVP system, and the plant could not operate without the electricity supplied by the Shasta – Tracy transmission line.[18]

Under NRHP Criterion B / CRHR Criterion 2, the Shasta – Tracy Transmission Line does not have significant associations with the lives of persons important to history. Research into the history of

[18] Note that the USBR prepared a National Register Multiple Property Documentation Form for the Central Valley Project in 2009. The study analyzed dams, major canals, and pumping plants, but it did not consider the significance of electrical transmission lines [USBR, "Central Valley Project California, Historic Engineering Features: A Multiple Property Documentation Form," 2009].

this transmission line did not reveal any individual associated with this resource who made demonstrably important contributions to history at the local, state, or national level.

This property is not significant as an important example of a type, period, or method of construction, nor is it the work of a master engineer (NRHP Criterion C / CRHR Criterion 3). The transmission towers of the Shasta – Tracy Transmission Line observed during fieldwork are typical in design, materials, and method of construction for their period of construction. These standard design lattice steel towers that had been in common use by electrical utility for years by the time these were erected. As such, this power line lacks distinction for design and engineering and does not meet eligibility requirements under these criteria.

Discussion of Integrity

The Shasta-Tracy Transmission Line lacks sufficient integrity to be eligible for the NRHP or CRHR. Specifically, this property lacks integrity of design, materials, workmanship, and feeling owing to the replacement of the original cross-arms, insulators, and conductors in the early 1990s when the line was converted to 500 kV. Although research did not reveal the original plans or photographs of the original towers, the standard 220 kV tower for the ca. 1950 period had three shorter cross arms that had a generally pyramidal shape. Owing to the requirements of transmitting a higher voltage, the original cross arms were replaced with longer cross arms having a different shape, and only one full cross arm on the bottom and a half cross arm on top. The new conductors are suspended from insulators attached at an angle and a new crown for the ground wire was installed at the top of the tower. While the property generally retains integrity of location, setting, and association, these alterations have substantially diminished integrity of design, materials, workmanship, and feeling and the line is not able to convey its significance as a former component of the CVP.

4.3.4 5266 / 5270 Walnut Drive

The property at 5266 / 5270 Walnut Drive does not have important associations with significant historic events, patterns, or trends of development (NRHP Criterion A / CRHR Criterion 1). This property was first developed in 1928 as a small farm during a period of subdivision of large rural tracts in this region and the founding of many other small farms. Research did not reveal that this property played an important role within the context of agricultural development in this area. As such, it is not associated with historically significant events, patterns, or trends and does not meet Criteria A / 1.

This property does not have significant association with the lives of persons important to history (NRHP Criterion B / CRHR Criterion 2). Research did not find that any owners, occupants, or other individual directly associated with this property who made demonstrably important contributions to history at the local, state, or national level.

Under NRHP Criterion C / CRHR Criterion 3, this property is not significant as an important example of a type, period, or method of construction, as the work of a master, or for possessing

high artistic values. The residence on this property built in 1949 is a Minimal Traditional style building, a style developed in the 1930s as the popular Craftsman Bungalow and period revival dwellings were replaced by simpler designs. The Minimal Traditional not only reflected a desire for economy, but also the influence of the Modern architectural movement and its rejection of elaborate decoration. Sometimes considered a "compromise style," the Minimal Traditional house reflected the form and shape of earlier housing styles, but without the decorative detailing. Generally, these buildings had low to medium roof pitches with close rather than overhanging eaves, boxy massing, and wood, stucco, or brick siding. The Minimal Traditional style remained popular through the 1960s.[19] The residence on this property is a modest and unremarkable example of the Minimal Traditional style and is not significant under these criteria.

NRHP Criterion D / CRHR Criterion 4

None of the above resources are significant under NRHP Criterion D / CRHR Criterion 4 as a source or likely source of important information about historic construction materials or technologies that is not otherwise available through documentary evidence.

These four resources have been evaluated in accordance with Section 15064.5(a)(2)-(3) of the CEQA Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code and Section 106 of the National Historic Preservation Act of 1966 (as amended) (54 U.S.C. 306108) and its implementing regulations (36 CFR Part 800). None of these are historical resources for the purposes of CEQA.

[19] Virginia Savage McAlester, *A Field Guide to American Houses* (New York: Alfred A. Knopf, 2013), 586-595.

5 PROJECT IMPACTS

5.1 CEQA Impacts Guidelines

The below analyzes the potential of the Saloon Energy Storage Project to have an impact on the integrity of the historical resource (i.e. a resource listed in or eligible for listing in the CRHR) in the API and its ability to convey its significance. CEQA Guidelines Section 15064.5(b) state that "a project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment." Section 15064.5(b) further defines substantial adverse change as such:

- Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired [Section 15064.5(b)(1)].
- The significance of an historical resource is materially impaired when a project:

  Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources [Section 15064.5(b)(2)(A)].

5.2 Description of Historical Resource in API

The sole historical resource in the API is the PG&E Pit to Vaca-Dixon No. 1 Transmission Line, which was constructed between 1920 and 1923. This resource was previously found eligible for listing in the CRHR, a finding that received SHPO concurrence in August 2017. As per the 2017 evaluation, the Pit to Vaca-Dixon No. 1 Transmission Line meets Criterion 1 and Criterion 3 within the context of the development of long-distance, high-voltage electrical transmission for its engineering innovation and for its association with master engineer Frank G. Baum. It is also eligible as a contributor to the Pit 1 Hydroelectric Plant Historic District. The period of significance of the line is 1923-1966. The character-defining features of the historical resource are the transmission line alignment within the right-of-way, all original lattice-steel towers, and all original insulators. The boundary is the footprint of the towers and conductors within PG&E's right-of-way.[20]

The Pit to Vaca-Dixon No. 1 Transmission Line travels 202 miles and traverses six counties, originating at the Pit 1 Powerhouse along the Pit River in northeastern Shasta County and terminating at the Vaca-Dixon Substation on the north side of Interstate 80 between the cities of Vacaville and Dixon in Solano County. In Shasta County, segments of the transmission line

[20] JRP Historical Consulting, LLC, "Pit No. 3 – Pit No. 1 230 kV NERC Project, Shasta-Trinity National Forest, and Lassen National Forest, Shasta County, Historical Resources Inventory and Evaluation Report," prepared for PG&E, 2017; Julianne Polanco, State Historic Preservation Officer to Russell Hays, Forest Supervisor, Lassen National Forest, Re: Determination of Eligibility for the Pit 3 – Pit 1 Transmission Line and Pit to Vaca-Dixon No. 1 Transmission Line, August 30, 2017.

traverse Lassen National Forest land. As of 2017, Pit to Vaca-Dixon No. 1 was composed of six operational 230 kV circuits—Pit 1-Pit 3; Pit 3-Carberry Switching Station; Carberry Switching Station-Round Mountain; Round Mountain-Cottonwood #3; Cottonwood-Delevan #2; and Delevan-Vaca #2—and it is carried by over 1,500 transmission towers and other support structures, the vast majority of which date to the original years of construction.[21]

The Pit to Vaca-Dixon No. 1 Transmission Line has a variety of tower types along its route. The 2017 recordation describes the towers in the vicinity of Williams on the Delevan-Vaca #2 segment as approximately 98-foot-tall, double-circuit, lattice steel towers with an approximately 20-foot square base and all four sides of the tower body tapering toward the top. The approximately 35-foot-long and six-foot-wide top cage contains six, roughly six-foot-wide lattice steel cross arms that extend an estimated 11 feet from both sides and are spaced vertically approximately 15 feet apart. Attached to the ends of the cross arms are six, 15-disc ceramic suspension insulators with ball hooks and suspension wire clamps. The insulators measure roughly 7.5 feet in length and 10 inches in diameter. The insulators carry all-aluminum conductors. The four legs of the towers are secured into concrete stub footings. JRP photographed the towers located within the project API in October 2024 (**Error! Reference source not found.**).[22]

[21] JRP Historical Consulting, LLC, "Pit No. 3 – Pit No. 1 230 kV NERC Project, Shasta-Trinity National Forest, and Lassen National Forest, Shasta County, Historical Resources Inventory and Evaluation Report," prepared for PG&E, 2017.
[22] JRP Historical Consulting, LLC, "Pit No. 3 – Pit No. 1 230 kV NERC Project, Shasta-Trinity National Forest, and Lassen National Forest, Shasta County, Historical Resources Inventory and Evaluation Report," prepared for PG&E, 2017.



Photograph 1. Pit to Vaca-Dixon No. 1 Transmission Line in the Saloon Energy Storage Project API. Camera facing southeast, October 31, 2024.

5.3 Project Impacts Analysis

The Saloon Energy Storage Project would not constitute a substantial adverse change to the Pit to Vaca-Dixon No. 1 Transmission Line. The project does not call for a direct electrical tie-in with the Pit to Vaca-Dixon No. 1 Transmission Line or any physical alterations to the line. The only electrical connection of the project to adjacent facilities is an underground line connecting with the Cortina Substation, which is not a historical resource under CEQA. Thus, in terms of the CEQA Guidelines, the project will not result in the "physical demolition, destruction, relocation, or alteration of the historical resource." The only potential impact would be from an "alteration of the… immediate surroundings" or setting. At its nearest point, the Pit to Vaca-Dixon No. 1 Transmission Line alignment would be about 950 feet from the footprint of the proposed project facility. The new facility would be surrounded by agricultural land, currently an almond orchard. While the new facility would be an alteration to the immediate surroundings, it would not constitute a substantial adverse change. First, an observer standing at ground level on the transmission line alignment would have little or no visibility of the proposed project facility owing to the distance between the two and the orchards, which would partially or entirely obscure the view. The tallest element of the new facility would be approximately nine feet tall. Second, the new project facility would be an electrical facility resembling a substation. The Pit to Vaca-Dixon No. 1 Transmission Line currently passes by multiple substations along its route, thus, the new

project facility would not constitute an alteration to the surroundings dissimilar from existing facilities in the transmission line's setting.

Finally, as defined in the 2017 evaluation, the character-defining features of the transmission line are its alignment within the right-of-way, the original lattice-steel towers, and the original insulators. The 2017 study discussed changes to the integrity of setting relative to the construction of the PG&E Shasta-Vaca Transmission Line in 1945-1947 (MR 2) on a parallel alignment of new towers immediately adjacent to the Pit to Vaca-Dixon No. 1 Transmission Line. The 2017 study concluded that the new adjacent line was an inconsequential diminishment of integrity of setting that "does not prevent an observer from understanding the line."[23] It follows that if construction of a new line of transmission towers in 1945-1947 immediately next to the Pit to Vaca-Dixon No. 1 Transmission Line does not impair the line from conveying its significance, then neither would the Saloon Energy Storage Project, which is generally much smaller in scale, farther away, and not as tall. Overall, the conclusion of this impacts analysis is the project will not cause a substantial adverse change to the Pit to Vaca-Dixon No. 1 Transmission Line under CEQA.

The proposed project also will not cause a cumulative impact to the Pit to Vaca-Dixon No. 1 Transmission Line. As noted above, this project will not diminish in any way the character-defining features of the transmission line that enable the property to express its significance and be a historical resource for the purposes of CEQA. Thus, there are no impacts that taken together with those from previous projects, or those in the foreseeable future, that would cause a cumulative impact.

[23] JRP Historical Consulting, LLC, "Pit No. 3 – Pit No. 1 230 kV NERC Project, Shasta-Trinity National Forest, and Lassen National Forest, Shasta County, Historical Resources Inventory and Evaluation Report," prepared for PG&E, 2017; Julianne Polanco, State Historic Preservation Officer to Russell Hays, Forest Supervisor, Lassen National Forest, Re: Determination of Eligibility for the Pit 3 – Pit 1 Transmission Line and Pit to Vaca-Dixon No. 1 Transmission Line, August 30, 2017.

6 PREPARERS' QUALIFICATIONS

JRP Principal Rebecca Meta Bunse (M.A., History–Public History, California State University, Sacramento) provided project oversight and direction for this project, as well as review and quality control. She is JRP President and is a historian with more than 34 years of experience working as a consulting architectural historian on a wide variety of historical research and cultural resource management projects as a researcher, author, and project manager. Based on her level of experience and education, Ms. Bunse meets and exceeds the Secretary of the Interior's Professional Qualification Standards under History and Architectural History (as defined in 36 CFR Part 61).

JRP Senior Historian Steven J. "Mel" Melvin (M.A., Public History, California State University, Sacramento) was the lead historian for this project. Mr. Melvin has more than 19 years of experience as a historian/architectural historian preparing historic resource inventory and evaluation reports. He conducted fieldwork and research and was the primary author of this report and the attached DPR 523 forms. Mr. Melvin meets the Secretary of the Interior's Professional Qualification Standards under History and Architectural History (as defined in 36 CFR Part 61).

Research Assistant Marq Mamaril (B.A., History, University of California, Davis) conducted fieldwork and research for this report.

Graphics / GIS Technician Rebecca Flores created the mapping utilized in this report and the DPR 523 forms.

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APPENDIX A

FIGURES

Figure 1. Project Vicinity Map



source: JRP (2024); Esri et al (2024); U.S. Bureau of Reclamation et al. (2015); Colusa County GIS (2024).

Figure 2. Project Location Map

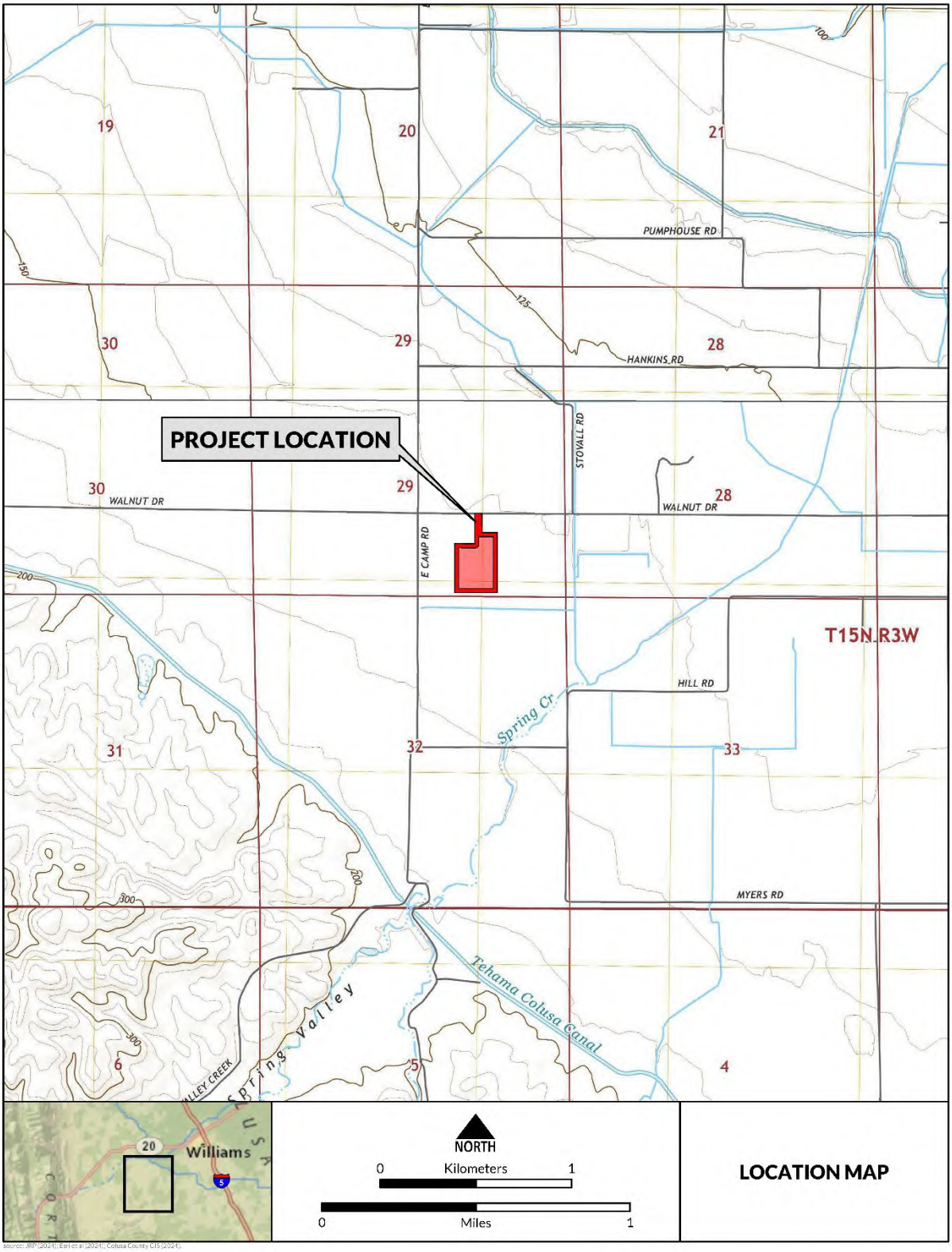


Figure 3. Area of Potential Impacts with Map Reference Numbers



APPENDIX B

DPR 523 FORMS PREPARED FOR THIS STUDY

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code 6Z
Other Listings _____
Review Code _____ Reviewer _____ Date _____

 ***Resource Name or #** (Assigned by recorder): MR 1

P1. Other Identifier: Cortina Substation
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County:** Colusa
***b. USGS 7.5' Quad:** Cortina Creek **Date:** 2021 **T:**15N; **R:**3W; **Sec:** 29
c. Address: 5217 Walnut Drive City: Williams Zip: 95987
d. UTM: Zone: 10S, 567138.10 m E; 4330406.20 m N
e. Other Locational Data: Assessor Parcel Number (APN): 016-270-002
***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This property is the Pacific Gas & Electric (PG&E) Cortina Substation. The substation occupies an area of 6.6 acres and is enclosed by a chain-link fence (**Photograph 1**). Fieldwork was conducted from outside of the perimeter fence which somewhat hindered visibility of the substation components. The main components of the substation include transformers, circuit breakers, regulators, switches, overhead steel support structures, and several small buildings. The tallest components of the substation are the many overhead steel support structures. These are roughly 25 feet tall and either of a steel lattice or steel post and cross-beam design (**Photographs 2 & 3**). These structures carry wires and switches and straddle other equipment such as circuit breakers or transformers. Circuit breakers are raised off the ground by steel support structures and have a crown are large projecting bushings (**Photograph 4**) (see Continuation Sheet).

***P3b. Resource Attributes:** (List attributes and codes) HP9 – Public Utility
***P4. Resources Present:** ☒ Building ☒ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)



P5b. Description of Photo: (View, date, accession#) **Photograph 1.** Camera facing northeast, October 31, 2024.
***P6. Date Constructed/Age and Sources:** ☒ Historic ☐ Prehistoric ☐ Both
1951 (*Colusa Sun-Herald*)
***P7. Owner and Address:**
PG&E
77 Beale Street
San Francisco, CA 94105
***P8. Recorded by:**
Steven J. "Mel" Melvin &
Marq Mamaril
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95618
***P9. Date Recorded:** October 31, 2024
***P10. Survey Type:** (Describe)
Intensive

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") JRP Historical Consulting, LLC, "Built Environment Inventory and Evaluation Report, Saloon Energy Storage Project, Colusa County," prepared for Dudek and Kimley Horn, 2024.

***Attachments:** ☐ None ☐ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐Other (list) _____

B1. Historic Name: Cortina Substation
B2. Common Name: Cortina Substation
B3. Original Use: electrical substation B4. Present Use: electrical substation
***B5. Architectural Style:** utilitarian
***B6. Construction History**: (Construction date, alteration, and date of alterations) Built in 1951; concrete building near entry gate built in 1951; alterations: expansions and new equipment in 1953, 1970, ca. 2000, and ca. 2010; several new buildings added between 1998 and ca. 2010.
***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** n/a **Original Location:** n/a
***B8. Related Features:** _____
B9. Architect: PG&E b. Builder: PG&E
***B10. Significance: Theme:** n/a **Area:** Williams (vic)
Period of Significance: n/a **Property Type:** utility **Applicable Criteria:** n/a
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The Cortina Substation is not eligible for listing in the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CRHR) because it does not have the historic significance required to meet the evaluation criteria. This property has been evaluated in accordance with Section 106 of the National Historic Preservation Act of 1966 (as amended) (54 U.S.C. 306108) and its implementing regulations (36 CFR Part 800) and Section 15064.5(a)(2)-(3) of the California Environmental Quality Act (CEQA) Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code. This property is not a historical resource for the purposes of CEQA. (See Continuation Sheet.)

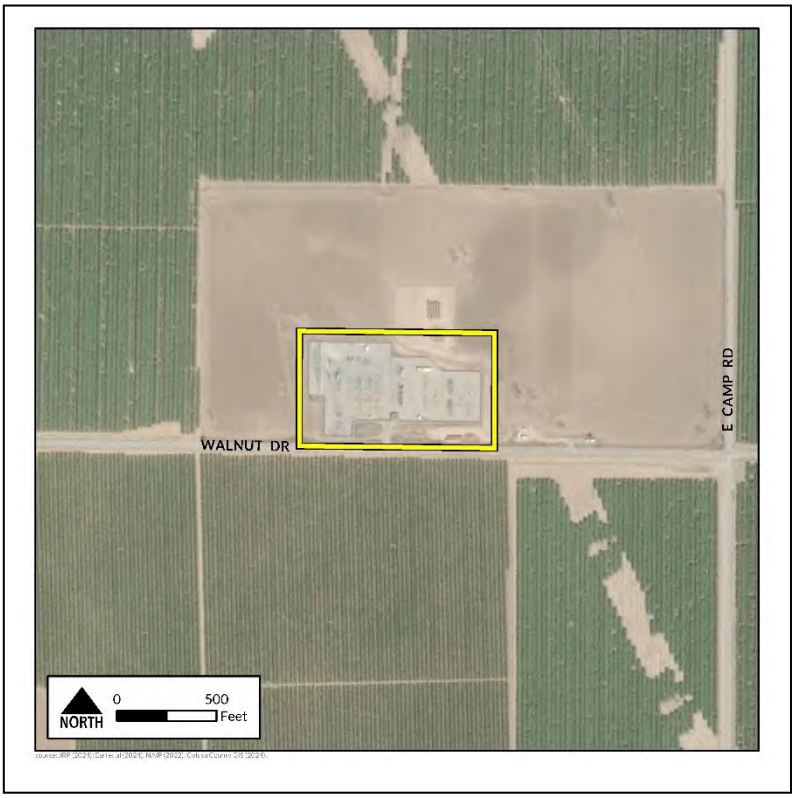
B11. Additional Resource Attributes: _____

***B12. References:** James C. Williams, *Energy and the Making of Modern California* (Akron: OH: University of Akron Press, 1998); *San Francisco Examiner*; *Colusa Sun-Herald*; *Charles M. Coleman, PG&E of California: The Centennial Story of Pacific Gas and Electric Company, 1852-1952 (New York: McGraw-Hill Book Company, Inc., 1952)*; see also footnotes.

B13. Remarks:

***B14. Evaluator:** Steven J. "Mel" Melvin
***Date of Evaluation:** November 2024

(This space reserved for official comments.)



P3a. Description (continued):

Transformers are large boxy metal structures also with long bushings emanating from the top (**Photograph 6**). Regulators are smaller metal boxes of varying heights. The electrical current passes through these various major pieces of equipment in succession through wires that are suspended by overhead steel structures.

In addition to the electrical equipment of the substation, there are ten small buildings or equipment shelters that were not visible during fieldwork. The largest of the buildings of the substation is located near the substation entrance. It is one story with a flat roof and made of concrete block (**Photograph 5**). On the west and east sides are metal doors and two single pane windows. Another building is poured concrete with no windows and one metal door (**Photograph 6**). Two other buildings near the rear of the substation are single-story with raised-ridge metal walls and roofs.

B10. Significance (continued):

Historic Context

In 1905, PG&E formed out of the California Gas & Electric Company and the San Francisco Gas & Electric Company, and the purchase of several other smaller northern California electricity companies. From then until the beginning of World War II, PG&E pursued an aggressive program of improving and expanding its system and service area by acquiring other power companies and building new generating plants, substations, and transmission lines to meet steadily increasing demand for electricity. During this era PG&E became the dominant electricity provider in northern and central California.[1]

Following World War II, California experienced a period of unprecedented growth in nearly every sector of the economy. New houses were being built, industry expanded, and agriculture flourished, all of which combined to create a high demand for electricity. During the war, PG&E had to put new construction on hold, so upon the war's end, its electrical production capabilities struggled to supply the rapidly expanding needs of the public. Compounding the problem was a drought in 1946 that reduced PG&E's hydroelectric generating capacity. PG&E president James B. Black responded by announcing the largest construction program in the firm's history in September 1946. The $800 million program called for new construction and improvements to existing facilities over a five-year period between 1946 and 1951. Major parts of the program included new hydroelectric plants on the Mokelumne River, a new steam plant in Bakersfield, and expansion of plants in San Francisco and Eureka, as well as hundreds of miles of new transmission lines, and dozens of new or expanded substations. The plan ultimately added more than one million horsepower to PG&E's system, giving it a total of 3.5 million horsepower by 1951.[2]

PG&E built the Cortina Substation as part of this post-war expansion effort. The company purchased the 79-acre tract for the new substation in March 1951 from the Stovall-Wilcoxson Company. The substation was part of a project to supply electricity to Lake, Mendocino, and Sonoma counties and included construction of a 110 kV transmission line from the Cortina Substation to Calpella in Mendocino County, a 60 kV transmission line from Calpella to the town of Upper Lake, Lake County, and new substations at Calpella and Upper Lake. The new Cortina Substation received its power from the existing 220 kV lines originating at the PG&E Pit River powerhouses, which passed directly over the substation property.[3]

In 1953, PG&E connected the Cortina Substation into the 60 kV local distribution transmission network that served the west side of the central Sacramento Valley to meet increasing demand in that region. To accommodate this expanded service area, the company installed $600,000 worth of new equipment at the substation consisting of four high voltage transformers, five circuit breakers, steel overhead support structures, switchgear, and switchboards. These improvements increased the amount of power available in the area and increased the distribution flexibility of the regional network. PG&E expanded the capacity

[1] James C. Williams, *Energy and the Making of Modern California* (Akron: OH: University of Akron Press, 1998), 182.
[2] "PGandE," *Colusa Sun-Herald,* July 21, 1947, 2; "PGE to Spend $160,000,000 on New Construction Program," *San Francisco Examiner,* September 23, 1946, 24; "$300,000,000 PGE Expansion Planned," *San Francisco Examiner,* January 16, 1947, 3; Charles M. Coleman, *PG&E of California: The Centennial Story of Pacific Gas and Electric Company, 1852-1952* (New York: McGraw-Hill Book Company, Inc., 1952), 331-335; Cindy L. Baker, PAR Environmental Services, "The Lights Went on All at Once: The History of Electricity in California," Prepared for California Energy Commission, June 2003, 31, 32; "PG and E," *Colusa Sun-Herald,* December 29, 1947, 2; "PG&E Seeks Tankers to Raise Power Output," *San Francisco Chronicle,* September 7, 1947, 1.
[3] "PGE Pushes Substation at Cortina," *Colusa Sun-Herald,* June 13, 1951, 1; "County Records," *Colusa Sun-Herald,* March 8, 1951, 4.

of the Cortina Substation again in 1970 when it installed new transformers and added another 60 kV distribution line running out from the substation. The substation underwent subsequent expansions in about 2000 and 2010, which included new equipment and several new buildings.[4]

NRHP / CRHR Significance Evaluation

This property does not have important associations with significant historic events, patterns, or trends of development (NRHP Criterion A / CRHR Criterion 1). Construction of Cortina Substation in 1951 occurred during an era of expansive post-World War II growth throughout California and PG&E's associated program of expansion to meet increasing customer demand. The Cortina Substation is a relatively small facility in the PG&E roster of substations and was one of many substations built by the company in the six years following the end of World War II. There is not demonstrable evidence that the Cortina Substation played an important role within this context and it does not meet these criteria.

Under NRHP Criterion B / CRHR Criterion 2, the Cortina Substation does not have significant associations with the life of an individual who was important to history. Research did not reveal any specific individual associated with the substation who made demonstrably important contributions to history at the local, state, or national level and it does not meet these criteria.

Under NRHP Criterion C / CRHR Criterion 3, this property is not significant as an important example of a type, period, or method of construction, nor is it the work of a master engineer. The Cortina Substation is typical in every regard relative to this type of resource. In the arrangement and composition of the transformers, circuit breakers, and switch bus structures, and other equipment of this substation, PG&E utilized common practices for the period and function of this substation. Additionally, the buildings of the substation are strictly utilitarian and modest in design and appearance, and completely lack architectural distinction.

Under NRHP Criterion D / CRHR Criterion 4, this property is not a significant or likely source of important information about historic construction materials or technologies that otherwise would not be available through documentary evidence.

Photographs (Continued):



Photograph 2: Substation, camera facing northwest, October 31, 2024.

[4] "PGE Substation at Cortina New Source," *Colusa Sun-Herald*, July 21, 1953, 1; "PG&E Construction in County $1.3 Million," *Colusa Sun-Herald*, April 17, 1970, 1; NETROnline, Historic Aerials, various years, accessed November 2024 at https://www.historicaerials.com/viewer.



Photograph 3: Substation, camera facing north, October 31, 2024.



Photograph 4: Substation showing steel support structures above circuit breakers, camera facing northwest, October 31, 2024.



Photograph 5: Concrete building near entryway, camera facing northeast, October 31, 2024.



Photograph 6: Substation with second concrete building on left and row of transformers below a steel support structure on right, camera facing northwest, October 31, 2024.

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code 6Z

Other Listings _____
Review Code _____ Reviewer _____ Date _____

 ***Resource Name or #** (Assigned by recorder) MR 2

1. Other Identifier: Shasta-Vaca Transmission Line

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County** Colusa

***b. USGS 7.5' Quad:** Cortina Creek **Date:** 2021 **T:**15N; **R:**3W; **Sec:** 29

c. Address: n/a City: n/a Zip: n/a

d. UTM: Zone 10S; 567345.59 mE/ 4330438.25 mN (at Walnut Drive)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

Recorded segment about 4.5 miles southwest of Williams near the intersection of Walnut Drive and East Camp Road. See also attached Location Maps.

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This form documents a short segment of the approximately 160-mile Shasta-Vaca Transmission Line (**Photograph 1**). The line was recorded at three points in the vicinity of Walnut Drive and East Camp Road in Colusa County about 4.5 miles southwest of Williams. The transmission line was completed in 1947 and runs on identical lattice steel towers in the study area. Descriptions and photographs of the recordation points are on the attached Linear Feature Records and the attached Location Maps show their locations.

***P3b. Resource Attributes:** (List attributes and codes) HP9 – Public Utility; HP11 – Engineering Structure

***P4. Resources Present:** ☐ Building ☒ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)



P5b. Description of Photo: (View, date, accession #) **Photograph 1:** Shasta-Vaca Transmission Line at East Camp Road, camera facing northwest, October 31, 2024.

***P6. Date Constructed/Age and Sources:**
☒ Historic ☐ Prehistoric ☐ Both
1945-1947 (PG&E Records; various newspaper articles)

***P7. Owner and Address:**
Pacific Gas & Electric Company
77 Beale Street
San Francisco, CA 94105

***P8. Recorded by:** (Name, affiliation, address)
Steven J. "Mel" Melvin & Marq Mamaril
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95618

***P9. Date Recorded:** October 31, 2024

***P10. Survey Type:** (Describe) Intensive

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") JRP Historical Consulting, LLC, "Built Environment Inventory and Evaluation Report, Saloon Energy Storage Project, Colusa County," prepared for Dudek and Kimley Horn, 2024.

***Attachments:** ☐ None ☐ Location Map ☒ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☒ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other (list) _____

B1. Historic Name: Shasta-Vaca 220 kV Transmission Line
B2. Common Name: Cortina – Vaca, 230 kV & Delevan – Vaca #1, 230 kV
B3. Original Use: electrical transmission B4. Present Use: electrical transmission
***B5. Architectural Style:** utilitarian
***B6. Construction History:** (Construction date, alteration, and date of alterations) Constructed between 1945 and 1947. Second circuit added in 1948. Alterations unknown.

***B7. Moved?** ☒**No** ☐**Yes** ☐**Unknown** **Date:** n/a **Original Location:** n/a
***B8. Related Features:** none
B9. Architect: PG&E (original tower design) Builder: unknown
***B10. Significance: Theme:** n/a **Area:** Williams (vic)
Period of Significance: n/a **Property Type:** utility **Applicable Criteria:** n/a
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The Shasta-Vaca Transmission Line is not eligible for listing in the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CRHR) because it does not have the historic significance required to meet the evaluation criteria. This property has been evaluated in accordance with Section 106 of the National Historic Preservation Act of 1966 (as amended) (54 U.S.C. 306108) and its implementing regulations (36 CFR Part 800) and Section 15064.5(a)(2)-(3) of the California Environmental Quality Act (CEQA) Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code. This property is not a historical resource for the purposes of CEQA. (See Continuation Sheet.)

B11. Additional Resource Attributes: (List attributes and codes) _____

***B12. References:** PG&E records; James C. Williams, *Energy and the Making of Modern California*, 1998; various newspapers; USGS topographic maps; see also footnotes.

B13. Remarks:

***B14. Evaluator:** Steven J. "Mel" Melvin
***Date of Evaluation:** November 2024

(Sketch Map with north arrow required.)

See Sketch Map on last page.

L1. Historic and/or Common Name: Shasta-Vaca Transmission Line

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** Point 1

***b. Location of point or segment:** UTM: 10S; 567345.59 mE/ 4330438.25 mN. See also **Location Map**.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This is a double-circuit, galvanized lattice steel, A-frame transmission tower. It has a square base with the feet set on concrete pier foundations. The structure tapers as it rises up from the base to the first cross arm. The upper part of the tower has three pyramidal cross arms spaced about 10 feet apart. Attached to the end of the cross arms are suspension insulators. This tower has additional insulators on one side for the wires that connect with the adjacent substation. On top of the tower is a crown that carries additional wires.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)

a. **Top Width:** 25 feet (approx.)
b. **Bottom Width:** 20 feet (approx.)
c. **Height or Depth:** 100 feet (approx.)
d. **Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L5. Associated Resources: none

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This transmission tower is located in a rural agricultural area planted in almond orchards and next to a substation.

L7. Integrity Considerations: none.

L8a. Photograph, Map, or Drawing.



L8b. Description of Photo, Map, or Drawing:
Photograph 2: Transmission line, camera facing northwest, October 31, 2024.

L9. Remarks:

L10. Form prepared by:
Steven J. "Mel" Melvin
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: November 2024

L1. Historic and/or Common Name: Shasta-Vaca Transmission Line

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** Point 2

***b. Location of point or segment:** UTM: 10S; 567664.92 mE/ 4329812.67 mN. See also **Location Map**.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This is a double-circuit, galvanized lattice steel, A-frame transmission tower. It has a square base with the feet set on concrete pier foundations. The structure tapers as it rises up from the base to the first cross arm. The upper part of the tower has three pyramidal cross arms spaced about 10 feet apart. Attached to the end of the cross arms are suspension insulators. On top of the tower is a crown that carries additional wires.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)

a. **Top Width:** 25 feet (approx.)
b. **Bottom Width:** 20 feet (approx.)
c. **Height or Depth:** 100 feet (approx.)
d. **Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L5. Associated Resources: none

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This transmission tower is located in a rural agricultural area planted in almond orchards.

L7. Integrity Considerations: none.

L8a. Photograph, Map, or Drawing.



L8b. Description of Photo, Map, or Drawing:
Photograph 3: Transmission line, camera facing southeast, October 31, 2024.

L9. Remarks:

L10. Form prepared by:
Steven J. "Mel" Melvin
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: November 2024

L1. Historic and/or Common Name: Shasta-Vaca Transmission Line

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** Point 3

***b. Location of point or segment:** UTM: 10S; 567993.14 mE/ 4329135.81 mN. See also **Location Map**.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This is a double-circuit, galvanized lattice steel, A-frame transmission tower. It has a square base with the feet set on concrete pier foundations. The structure tapers as it rises up from the base to the first cross arm. The upper part of the tower has three pyramidal cross arms spaced about 10 feet apart. Attached to the end of the cross arms are suspension insulators. On top of the tower is a crown that carries additional wires.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)

a. **Top Width:** 25 feet (approx.)
b. **Bottom Width:** 20 feet (approx.)
c. **Height or Depth:** 100 feet (approx.)
d. **Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**

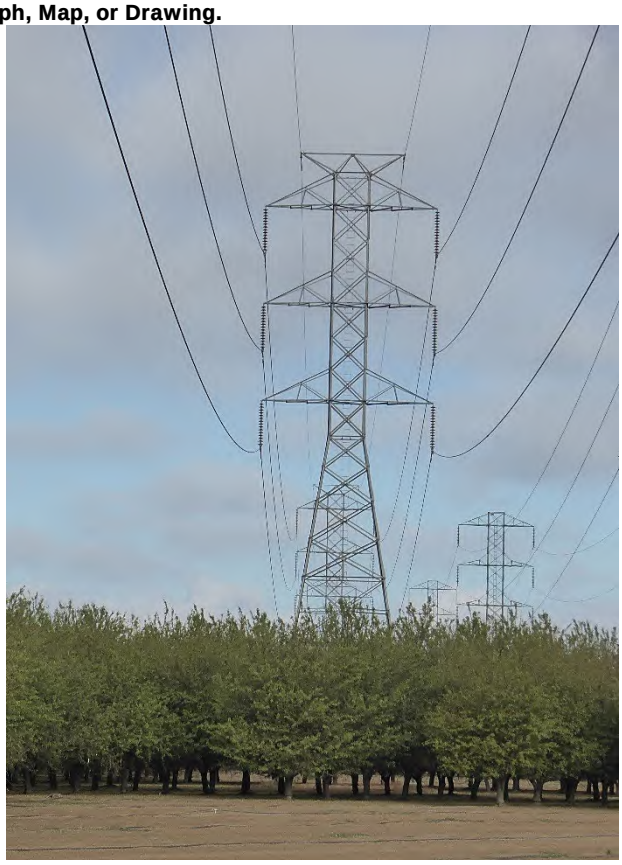
n/a

L5. Associated Resources: none

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is situated in a rural agricultural area planted in almond orchards.

L7. Integrity Considerations: None.

L8a. Photograph, Map, or Drawing.



L8b. Description of Photo, Map, or Drawing:
Photograph 4: Transmission line, camera facing northwest, October 31, 2024.

L9. Remarks:

L10. Form prepared by:
Steven J. "Mel" Melvin
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: November 2024

B10. Significance (continued):

Historic Context

In 1905, PG&E formed out of the California Gas & Electric Company and the San Francisco Gas & Electric Company, and the purchase of several other smaller northern California electricity companies. From then until the beginning of World War II, PG&E pursued an aggressive program of improving and expanding its system and service area by acquiring other power companies and building new generating plants, substations, and transmission lines to meet steadily increasing demand for electricity. Early in PG&E's history, the company improved all of its transmission lines that ranged from 5.5 kV to 60 kV up to 60 kV. In 1913, the company built its first 110 kV power line from the Drum Powerhouse on the Bear River to the Cordelia Substation. Thereafter, 110 kV transmission lines would be a common voltage for transmission lines. In the early 1920s, PG&E the built the first long-distance 220 kV line in California from the Pit 1 Powerhouse on the Pit River in Shasta County to the Vaca-Dixon Substation (Pit to Vaca-Dixon No. 1) located between Vacaville and Dixon. The 220 kV would supplant 110 kV as the standard for long-distance electrical transmission and PG&E would build many more in the years that followed.[1]

Following World War II, California experienced a period of unprecedented growth in nearly every sector. New houses were being built, industry expanded, and agriculture flourished, all of which combined to create a high demand for electricity. During the war, PG&E had to put new construction on hold, so upon the war's end, its electrical production capabilities struggled to supply the needs of the public. Compounding the problem was a drought in 1946 that reduced PG&E's hydroelectric generating capacity. PG&E president James B. Black responded by announcing the largest construction program in the firm's history in September 1946. The $800 million program included new construction and improvements to existing facilities over a five-year period between 1946 and 1951. Major parts of the program were new hydroelectric plants on the Mokelumne River, a new steam plant in Bakersfield, and expansion of plants in San Francisco and Eureka, as well as hundreds of miles of new transmission lines and dozens of new or expanded substations. The plan added more than one million horsepower to PG&E's system, giving it a total of 3.5 million horsepower by 1951.[2]

Construction of the Shasta – Vaca Transmission Line recorded on this form was part of PG&E's post-war expansion to meet increasing demand in the Bay Area, and specifically was built to deliver power generated at the company's new Pit River No. 5 powerhouse to the Vaca-Dixon Substation. Planning for the line began in October 1944 when PG&E approved an expenditure of $3.6 million for the project. Work commenced in 1945, and the new line was finished in April 1947, built on the same right-of-way as a line erected in the early 1920s for the Pit to Vaca-Dixon No. 1 220 kV line (**Plate 1**). When completed, the new line carried one 220 kV circuit. The tower design utilized for the line was able to carry two circuits, and in April 1948, PG&E strung a second 220 kV circuit on same towers (**Plate 2**). PG&E referred to this line as the Shasta – Vaca 220 kV Transmission Line because it ran from the PG&E's Shasta Substation to the Vaca-Dixon Substation. The line continues to carry power to the Vaca-Dixon Substation.[3]

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[1] James C. Williams, *Energy and the Making of Modern California* (Akron: OH: University of Akron Press, 1998), 182; "Remarkable Indications of Growth, The New Claremont Substation," *Oakland Tribune*, 29 October 1922, 1; "What Pacific Gas and Electric is Doing to Adequately Meet the Growing Demand for Electric Power," *San Francisco Chronicle*, 16 May 1920, 6F; Fowler, *Hydroelectric Power Systems of California*, 269-275; Frank G. Baum, "Report on Pacific Gas & Electric Company Transmission Changes, and Report on Pacific Gas & Electric Company 200 Mile, 220,000 Volt, 300,000 K.W. Transmission Line," November 10, 1919, Frank Baum Collection, PG&E Archives, San Francisco, 1-2; PG&E, "Report on PG&E Transmission Changes," 1-2; "Pit River Development," *Pacific Service Magazine* 14, no. 11 (April 1923): 345.

[2] "PG and E," *Colusa Sun-Herald*, July 21, 1947, 2; "PGE to Spend $160,000,000 on New Construction Program," *San Francisco Examiner*, September 23, 1946, 24; "$300,000,000 PGE Expansion Planned," *San Francisco Examiner*, January 16, 1947, 3; Charles M. Coleman, *PG&E of California: The Centennial Story of Pacific Gas and Electric Company, 1852-1952* (New York: McGraw-Hill Book Company, Inc., 1952), 331-335; Baker, Cindy L., PAR Environmental Services, "The Lights Went on All at Once: The History of Electricity in California," Prepared for California Energy Commission, June 2003, 31, 32; "PG and E," *Colusa Sun-Herald*, December 29, 1947, 2; "PG&E Seeks Tankers to Raise Power Output," *San Francisco Chronicle*, September 7, 1947, 1.

[3] PG&E, Estimate for Appropriation Work Order, GM 78382, October 11, 1944, Box 35014, PG&E Records Center, Iron Mountain, Livermore, California; "Who Will Get Benefit of CVP Power is Real Point," *Modesto Bee*, May 10, 1948, 22; "$1,500,000 Expansion Program at PG&E Substation Gets Underway," *Vacaville Reporter*, July 19, 1946, 1; "Monitor Writer Tells of Fight Over Shasta Power,"



Plate 1: Photograph of the Shasta – Vaca 220 kV Transmission Line on the left shortly after its completion. Note at this time only one circuit had been strung on the towers. The tower line on the right is the 1920s line. This view is looking north from an unknown location between the Shasta Substation and Vaca-Dixon Substation.[4]



Plate 2: Photograph of the Shasta – Vaca 220 kV Transmission Line on the left in May 1948 just after the second circuit was strung on the towers. The tower line on the right is the 1920s line. This view is looking north from an unknown location between the Shasta Substation and Vaca-Dixon Substation.[5]

Shasta Courier, August 22, 1946, 8; "Third 220,000 Volt Transmission Line," *Ripon Record,* December 28, 1945, 1; PG&E, Estimate for Appropriation Work Order, GM 85358, May 17, 1946, Box 38767, PG&E Records Center, Iron Mountain, Livermore, California; PG&E, Binder 97, Electric Transmission Volume 1, Negative 2559, PG&E Archives, 77 Beale Street, San Francisco, California; USGS, *Colusa Quadrangle* (Washington: USGS, 1942); USGS, *Cortina Quadrangle* (Washington: USGS, 1953).

[4] PG&E, Binder 97, Electric Transmission Volume 1, Negative 2559, PG&E Archives, 77 Beale Street, San Francisco, California.

[5] PG&E, Binder 97, Electric Transmission Volume 1, Negative 2559, PG&E Archives, 77 Beale Street, San Francisco, California.

Evaluation

This property does not have important associations with significant historic events, patterns, or trends of development (NRHP Criterion A / CRHR Criterion 1). Construction of the Shasta – Vaca Transmission Line documented on this form occurred during an era of expansive post-World War II growth throughout California and PG&E's associated program of expansion to keep pace with increasing customer demand. Construction of the Shasta – Vaca 220 kV Transmission Line occurred well after the first 220 kV line in California in the early 1920s and was one of many such high voltage lines built by PG&E during the company's 1946-1951 post-war expansion program that provided additional power to the San Francisco Bay Area. As such, it did not play a demonstrably important role within this context, and it does not have historical importance under these criteria.

Under NRHP Criterion B / CRHR Criterion 2, the Shasta – Vaca Transmission Line does not have significant associations with the lives of persons important to history. Research did not reveal any individual directly associated with the transmission line who made demonstrably important contributions to history at the local, state, or national level.

Under NRHP Criterion C / CRHR Criterion 3, this property is not significant as an important example of a type, period, or method of construction, nor is it the work of a master engineer. The transmission towers of the Shasta – Vaca Transmission Line observed during fieldwork are typical in design, materials, and method of construction for their period of construction. These standard design lattice steel towers had been in common use by PG&E and other electric companies for years by the time these were erected. As such, this line lacks distinction for design and engineering and does not meet the eligibility requirements under these criteria.

Under NRHP Criterion D / CRHR Criterion 4, this property is not a significant or likely source of important information about historic construction materials or technologies that otherwise would not be available through documentary evidence.


Point 1
WALNUT DR
Point 2
Point 3
STOVALL RD
E CAMP RD
HILL RD
TEHAMA COLUSA CANAL
NORTH
0
500
Feet

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code 6Z

Other Listings _____
Review Code _____ Reviewer _____ Date _____

 ***Resource Name or #** (Assigned by recorder) MR 4

1. Other Identifier: Shasta – Tracy Transmission Line

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County** Colusa

***b. USGS 7.5' Quad:** Cortina Creek **Date:** 2021 **T:**15N; **R:**3W; **Sec:** 29

c. Address: n/a City: n/a Zip: n/a

d. UTM: Zone 10S; 567345.59 mE/ 4330438.25 mN (at Walnut Drive)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

Recorded segment about 4.5 miles southwest of Williams near the intersection of Walnut Drive and East Camp Road. See also attached Location Maps.

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This form documents a short segment of the approximately 215-mile Shasta – Tracy Transmission Line. The line was recorded at three points in the vicinity of Walnut Drive and East Camp Road in Colusa County about 4.5 miles southwest of Williams. Descriptions and photographs of the recordation points are on the attached Linear Feature Records and the attached Location Maps show their locations. The transmission line was completed in 1947 and runs on identical lattice steel towers in the study area (**Photograph 1**).

***P3b. Resource Attributes:** (List attributes and codes) HP9 – Public Utility; HP11 – Engineering Structure

***P4. Resources Present:** ☐ Building ☒ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)



P5b. Description of Photo: (View, date, accession #) **Photograph 1:** Shasta-Tracy Transmission Line at East Camp Road, camera facing northwest, October 31, 2024.

***P6. Date Constructed/Age and Sources:**
☒ Historic ☐ Prehistoric ☐ Both
1949-1952 (*San Francisco Chronicle*; *Sacramento Bee*; USBR, Annual Reports, 1951, 1952)

***P7. Owner and Address:**
Transmission Agency of Northern California
35 Iron Point Circle
Folsom, CA 95630

***P8. Recorded by:** (Name, affiliation, address)
Steven J. "Mel" Melvin &
Marq Mamaril
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95618

***P9. Date Recorded:** October 31, 2024

***P10. Survey Type:** (Describe) Intensive

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") JRP Historical Consulting, LLC, "Built Environment Inventory and Evaluation Report, Saloon Energy Storage Project, Colusa County," prepared for Dudek and Kimley Horn, 2024.

***Attachments:** ☐ None ☐ Location Map ☒ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☒ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other (list) _____

B1. Historic Name: Shasta – Tracy Transmission Line
B2. Common Name: TANC 500 kV Transmission Line
B3. Original Use: electrical transmission B4. Present Use: electrical transmission
***B5. Architectural Style:** utilitarian
***B6. Construction History:** (Construction date, alteration, and date of alterations) Constructed between 1949 and 1952. Alterations in early 1990s to handle 500 kV consisting of replacing the original three cross arms with two new cross arms that were longer and of different design.
***B7. Moved?** ☒**No** ☐**Yes** ☐**Unknown** **Date:** n/a **Original Location:** n/a
***B8. Related Features:** none
B9. Architect: unknown Builder: Edwards Construction Company (this segment)
***B10. Significance: Theme:** water development **Area:** California
Period of Significance: 1952 **Property Type:** utility **Applicable Criteria:** NRHP Criterion A / CRHR Criterion 1
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The Shasta-Tracy Transmission Line is not eligible for listing in the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CRHR) because it does not have the historic significance required to meet the evaluation criteria. This property has been evaluated in accordance with Section 106 of the National Historic Preservation Act of 1966 (as amended) (54 U.S.C. 306108) and its implementing regulations (36 CFR Part 800) and Section 15064.5(a)(2)-(3) of the California Environmental Quality Act (CEQA) Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code. This property is not a historical resource for the purposes of CEQA. (See Continuation Sheet.)

B11. Additional Resource Attributes: (List attributes and codes) _____

***B12. References:** US Bureau of Reclamation, "Central Valley Project Annual Report, 1952," 1952; *Sacramento Bee*; *Corning Daily Observer; Colusa Sun-Herald; San Francisco Chronicle;* see also footnotes.

B13. Remarks:

***B14. Evaluator:** Steven J. "Mel" Melvin
***Date of Evaluation:** November 2024

(Sketch Map with north arrow required.)

See Sketch Map on last page.

L1. Historic and/or Common Name: Shasta – Tracy Transmission Line

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** Point 1

***b. Location of point or segment:** UTM: 10S; 567345.59 mE/ 4330438.25 mN. See also **Location Map**.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This is a single-circuit, galvanized lattice steel, A-frame transmission tower. It has a square base with the feet set on concrete pier foundations. The lower half of the tower tapers from the base to a narrow vertical upper half. The upper part of the tower has a lower full steel lattice cross arm that holds conductors on each end suspended from insulators. At the top of the tower is a half cross arm extending to one side that holds a third set of conductors. A small crown at the top of the tower carries another wire.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)

a. **Top Width:** 30 feet (approx.)
b. **Bottom Width:** 20 feet (approx.)
c. **Height or Depth:** 100 feet (approx.)
d. **Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L5. Associated Resources: none

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This transmission tower is located in a rural agricultural area planted in almond orchards and next to a substation.

L7. Integrity Considerations: The cross arms have been replaced.

L8a. Photograph, Map, or Drawing.



L8b. Description of Photo, Map, or Drawing:
Photograph 2: Transmission line, camera facing northwest, October 31, 2024.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) Steven J. "Mel" Melvin
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: November 2024

L1. Historic and/or Common Name: Shasta – Tracy Transmission Line

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** Point 2

***b. Location of point or segment:** UTM: 10S; 568230.91mE / 4329129.18 mN. See also **Location Map**.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This is a single-circuit, galvanized lattice steel, A-frame transmission tower. It has a square base with the feet set on concrete pier foundations. The lower half of the tower tapers from the base to a narrow vertical upper half. The upper part of the tower has a lower full steel lattice cross arm that holds conductors on each end suspended from insulators. At the top of the tower is a half cross arm extending to one side that holds a third set of conductors. A small crown at the top of the tower carries another wire.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)

a. **Top Width:** 30 feet (approx.)
b. **Bottom Width:** 20 feet (approx.)
c. **Height or Depth:** 100 feet (approx.)
d. **Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L5. Associated Resources: none

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This transmission tower is located in a rural agricultural area planted in almond orchards.

L7. Integrity Considerations: The cross arms have been replaced.

L8a. Photograph, Map, or Drawing.



L8b. Description of Photo, Map, or Drawing:
Photograph 3: Transmission line, camera facing south, October 31, 2024.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address)
Steven J. "Mel" Melvin
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: November 2024

L1. Historic and/or Common Name: Shasta – Tracy Transmission Line

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** Point 3

***b. Location of point or segment:** UTM: 10S; 568452.30mE / 4328720.79 mN. See also **Location Map**.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This is a single-circuit, galvanized lattice steel, A-frame transmission tower. It has a square base with the feet set on concrete pier foundations. The lower half of the tower tapers from the base to a narrow vertical upper half. The upper part of the tower has a lower full steel lattice cross arm that holds conductors on each end suspended from insulators. At the top of the tower is a half cross arm extending to one side that holds a third set of conductors. A small crown at the top of the tower carries another wire.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)

- **a. Top Width:** 30 feet (approx.)
- b. **Bottom Width:** 20 feet (approx.)
- **c. Height or Depth:** 100 feet (approx.)
- **d. Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**

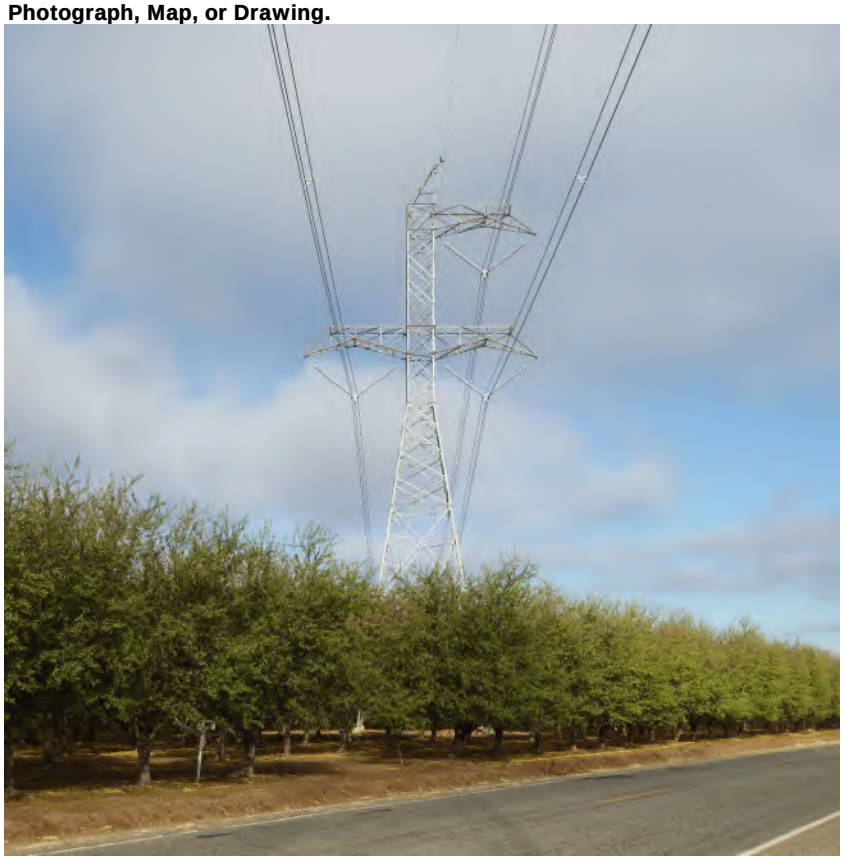
n/a

L5. Associated Resources: none

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is situated in a rural agricultural area planted in almond orchards.

L7. Integrity Considerations: The cross arms have been replaced.

L8a. Photograph, Map, or Drawing.



L8b. Description of Photo, Map, or Drawing:
Photograph 4: Transmission line, camera facing northwest, October 31, 2024.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) Steven J. "Mel" Melvin
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: November 2024

B10. Significance (continued):

Historic Context

Shasta – Tracy Transmission Line History

The Shasta – Tracy Transmission Line recorded on this form was originally constructed by the US Bureau of Reclamation (USBR) as part of the Central Valley Project (CVP). The transmission line originally carried two 230 kilovolt (kV) circuits from the hydroelectric generating plant at Shasta Dam to the CVP Tracy Pumping Plant. At the time of its planning and construction, the USBR referred to the line as the Shasta-Tracy No. 1 and 2, or the west side transmission line, because it ran along the western edge of the Sacramento Valley. The USBR built the Shasta - Tracy Transmission Line in segments, the first completed was a short 30-mile section from Shasta Dam to Shasta Substation near Redding in 1948. Debates in Congress over funding the remainder of the line south to Tracy delayed further construction for two years. The debate centered around whether electrical transmission should be a public (government) or a private enterprise. PG&E flexed its political muscle in favor of private ownership and its influence contributed to the long delay. In August 1949, Congress finally approved funding for the Shasta - Tracy Transmission Line and work between the Shasta Substation and Tracy finally commenced.[1]

The USBR awarded construction contracts to different firms for each segment. The segment of the line in the study area was the 66-mile Artois (Glenn County) to Madison (Yolo County) section. The USBR advertised for construction bids on this section in April 1950 and awarded the contract to the Edwards Construction Company. The contract covered the erection of 296 steel towers and stringing conductors. Bethlehem Steel of San Francisco fabricated the steel towers. Edwards Construction Company finished work on the segment in August 1951, leaving the Rio Vista to Tracy section as the only unfinished segment; workers completed it in 1952. When finished, the Shasta - Tracy Transmission Line carried two 230 kV circuits 215 miles between Shasta Dam and the Tracy Pumping Plant where the electricity powered the six pumps that lifted water 200 feet into the Delta-Mendota Canal, one of the major components of the CVP. Owing to the importance of the uninterrupted operation of the Tracy Pumping Plant, the USBR built some redundancy into the power transmission system supplying the plant by constructing an east side transmission line from Shasta Dam to Tracy along the eastern edge of the Sacramento Valley via Oroville. This line was completed and carrying power in 1951. As a federal project, the transmission lines from Shasta Dam to Tracy came under the administration of the Western Area Power Administration (WAPA), a federal agency that oversaw the distribution of power generated at USBR projects.[2]

In the early 1990s, the Shasta – Tracy Transmission Line was upgraded to carry a new extra high voltage (EHV) 500 kV circuit from southern Oregon to Tracy. The project was a joint endeavor of WAPA, California-Oregon Transmission Project (COTP) and the Transmission Agency of Northern California (TANC). TANC was formed in 1984 as a joint powers authority consisting of 15 publicly-owned utilities in central California to deliver power from southern Oregon. During planning for the line, TANC considered a route on the east side of the Sacramento Valley that would have required erecting new towers, but ultimately chose the less expensive option of upgrading the Shasta – Tracy west side towers with new cross arms to handle 500 kV. The line was energized in 1993 and remains in operation and owned by TANC.[3]

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[1] "Scramble Starts for CVP Water," *San Francisco Chronicle*, July 23, 1948, 16; "Truman Asks $63,000,000 for CVP," *San Francisco Chronicle*, January 11, 1949, 7; "$40 Million to Further CVP Work is Urged," *Sacramento Bee*, May 26, 1948, 1; "Public Power," *San Francisco Chronicle*, August 26, 1949, 1; "Government Suits Involve Hundreds of Landowners," *Corning Daily Observer*, June 5, 1950, 1; "Power Line Bids Called," *Colusa Sun-Herald*, May 15, 1950, 4.

[2] "Local News in Brief," *Willows Daily Journal*, August 23, 1951, 6; "Artois-Madison Line Bids Are Requested," *Sacramento Bee*, April 7, 1950, 10; "Transmission Line Project Nears Corning Area," *Corning Daily Observer*, June 1, 1950, 1; U.S. Senate, *Hearings Before the Subcommittee of the Committee on Appropriations*, 81st Congress, 2nd Session (Washington: Government Printing Office, 1950), 941; US Bureau of Reclamation, "Central Valley Project Annual Report, 1951," 1951, 6, 23; US Bureau of Reclamation, "Central Valley Project Annual Report, 1952," 1952, 10; "Shasta-Tracy Power Line Job is Done," *Sacramento Bee*, May 1, 1952, 39; USGS, *Colusa Quadrangle* (Washington: USGS, 1942); USGS, *Cortina Quadrangle* (Washington: USGS, 1953).

[3] "New Power Line Will Benefit Redding, Shasta PUD Customers," *Redding Record-Searchlight*, March 18, 1993, 3; "Project Bringing Power from Oregon to TID Customers," *Modesto Bee*, October 9, 1995, 5; "New Power Line Route Won't Cross Bidwell Park," *Chico Enterprise-Record*, November 5, 1985, 3; "Butte Creek Canyon Out for Transmission Line Project," *Paradise Post*, November 8, 1985, 9;

The TANC line was not the first 500 kV transmission line in California. PG&E built the first 500 kV line in 1967, the Tesla-Los Banos line that stretched from the Tesla Substation near Tracy to Los Banos. PG&E continued to build 500 kV lines and by the end of 1968 had completed 1,025 miles of 500kV lines, much of this was part of the Pacific Northwest-Pacific Southwest Intertie (Pacific Intertie), an 846-mile-long transmission grid that stretches from the John Day Dam on the Columbia River in northern Oregon south to San Bernardino County ultimately completed in 1970. The Pacific Intertie was the first long-distance transregionally integrated EHV system in U.S. history, the first long-distance transmission of 500 kV, and the first joint collaboration between private, municipal, and federal utilities to systematically transfer power transregionally.[4]

Central Valley Project

The Central Valley Project (CVP) represents one of the most ambitious and successful water development projects ever undertaken. Within the contexts of hydraulic engineering, the politics of public works, state-federal conflict over reclamation policy, and the economics of large-scale irrigation, the CVP is recognized as a great achievement on the national and even the international scale. The CVP was devised by the State of California, but ultimately built by the US Bureau of Reclamation (USBR), to resolve California's chronic water shortage problem.[5]

The USBR designed the CVP as five fundamental units, operating as an integrated system: Shasta Dam, the Delta-Mendota Canal, Friant Dam, the Madera and Friant-Kern canals, and the Contra Costa Canal. The core of the system involved the first four of these unit that functioned in a coordinated fashion to deliver Sacramento River water to the San Joaquin Valley. The USBR designed the project's units to operate in two groups of works. Shasta Dam and the Delta-Mendota Canal operated together to store and deliver Sacramento River water as far south as Fresno County, to irrigate new areas and supply replacement water for San Joaquin River diversions. Friant Dam diverted water into the Madera Canal and Friant-Kern Canal, and this system operated together to store and divert San Joaquin River water as far as the southern end of the San Joaquin Valley through the Friant-Kern Canal and north to Ash Slough near Chowchilla through the Madera Canal. As noted, these units worked in conjunction with one another, the Shasta Dam and Delta-Mendota Canal units providing replacement water for that which was transported southward and northward on the east side of the San Joaquin Valley by the Friant Dam/Friant-Kern Canal/Madera Canal system. At the head of the Delta-Mendota Canal was the Tracy Pumping Plants, which was powered by electricity transmitted from the Shasta Dam powerhouse via the Shasta – Tracy Transmission Line evaluated on this form and a comparable line on the east side of the Sacramento Valley. The USBR completed the five main initial units of the CVP by the early 1950s.[6]

Evaluation

Under NRHP Criterion A / CRHR Criterion 1, the Shasta – Tracy Transmission Line has significe as an important component of the CVP, but is not eligible for listing in the NRHP or CRHR because it lacks integrity (see integrity discussion below). The Shasta – Tracy Transmission Line delivered power generated at Shasta Dam to the Tracy Pumping Plant where the electrically-powered pumps of this plant lifted water into the Delta Mendota Canal. Operation of the Tracy Pumping Plant was

TANC, "About TANC," accessed November 2024 at https://www.tanc.us/projects/cotp/; California ISO, "Description of Transmission Lines and Facilities," n.d., accessed November 2024 at https://www.caiso.com/documents/exhibiti-maps.pdf.

[4] Cindy L. Baker, PAR Environmental Services, "The Lights Went on All at Once: The History of Electricity in California," prepared for California Energy Commission, June 2003, 32-33; PG&E, "Extra High Voltage, New Power Grid," *PG&E Progress* 43, no. 3 (March 1966; "PG&E Energizes First Circuit of Intertie Link," *Electrical West* 133, no. 2 (February 1966): 25; "Status of Western Electric Utility Industry, 1966," *Electrical West* 134, no. 2 (February 1967): 36-37; "Pacific NW-SW Intertie Construction Progress Report," *Electrical West* 134, no. 9 (September 1967): 50-51; E. F. Kaprielian, "First Report on Operating Experience of NW-SW Intertie 500-kV System," *Electrical West* 135, no. 11 (November 1968): 58-62, 68; JRP Historical Consulting, LLC, "Segments of the Pacific Northwest-Pacific Southwest Intertie," DPR 523 form, June 2018 in ICF, "California High-Speed Rail San Jose to Merced: Historic Architectural Survey Report," 2019.

[5] Hundley, *Great Thirst*; Erwin Cooper, *Aqueduct Empire: A Guide to Water in California, Its Turbulent History and Management Today* (Glendale: Arthur H. Clark Company, 1968.)

[6] U.S. Bureau of Reclamation, "Central Valley Project: Its Historical Background and Economic Impacts" (Sacramento: USBR, Mid-Pacific Region, 1981).

vital to the function of the CVP system and the plant could not operate without the electricity supplied by the Shasta – Tracy transmission line.[7]

Under NRHP Criterion B / CRHR Criterion 2, the Shasta – Tracy Transmission Line does not have significant associations with the lives of persons important to history. Research did not reveal any specific individual directly associated with the transmission line who made demonstrably important contributions to history at the local, state, or national level.

This property is not significant as an important example of a type, period, or method of construction, nor is it the work of a master engineer (NRHP Criterion C / CRHR Criterion 3). The transmission towers of the Shasta – Tracy Transmission Line observed during fieldwork are typical in design, materials, and method of construction for their period of construction. These standard design lattice steel towers that had been in common use by electrical utility for years by the time these were erected. As such, this power line lacks distinction for design and engineering and does not meet eligibility requirements under these criteria.

Under NRHP Criterion D / CRHR Criterion 4, this property is not a significant or likely source of important information about historic construction materials or technologies that otherwise would not be available through documentary evidence.

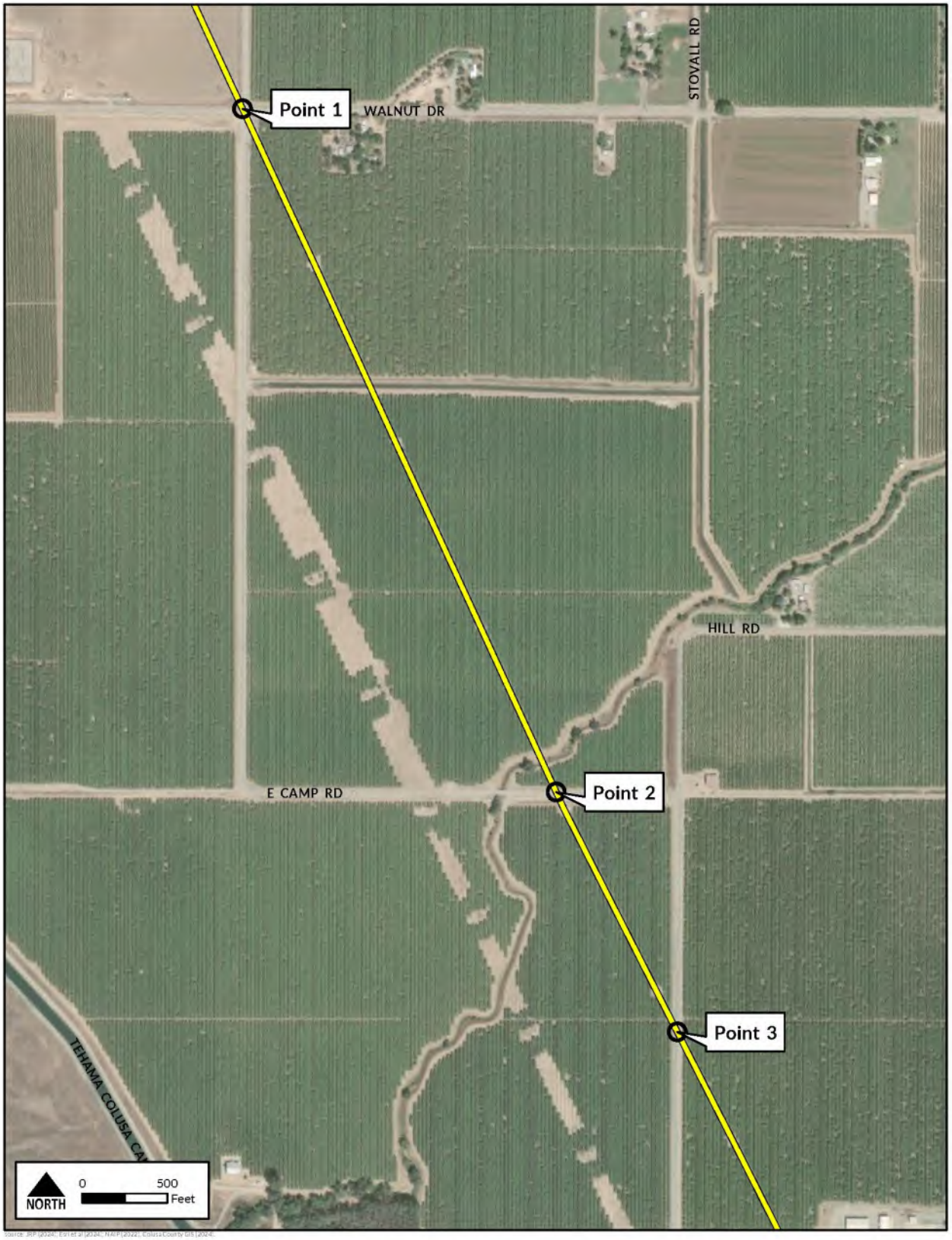
Discussion of Integrity

The Shasta – Tracy Transmission Line lacks sufficient integrity to be eligible for the NRHP or CRHR. Specifically, this property lacks integrity of design, materials, workmanship, and feeling owing to the replacement of the original cross-arms, insulators, and conductors in the early 1990s when the line was converted to 500 kV. Although research did not reveal the original plans or photographs of the original towers, the standard 220 kV tower for the ca. 1950 period had three shorter cross arms that had a generally pyramidal shape (**Plate 1**). Owing to the requirements of transmitting a higher voltage, the original cross arms were replaced with longer cross arms having a different shape, and only one full cross arm on the bottom and a half cross arm on top. The new conductors are suspended from insulators attached at an angle and a new crown for the ground wire was installed at the top of the tower. While the property generally retains integrity of location, setting, and association, these alterations have substantially diminished integrity of design, materials, workmanship, and feeling and the line is not able to convey its significance as a former component of the CVP.



Plate 1: Photograph of a standard PG&E 220 kV tower in 1948.[8]

[7] Note that the USBR prepared a National Register Multiple Property Documentation Form for the Central Valley Project in 2009. This study only analyzed dams, major canals, and pumping plants. It did not consider the significance of electrical transmission lines. USBR, "Central Valley Project California, Historic Engineering Features: A Multiple Property Documentation Form," 2009.
[8] PG&E, Binder 97, Electric Transmission Volume 1, Negative 2559, PG&E Archives, 77 Beale Street, San Francisco, California.


Point 1
WALNUT DR
STOVALL RD
HILL RD
E CAMP RD
Point 2
Point 3
TEHAMA COLUSA CA
NORTH
0
500
Feet

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code 6Z
Other Listings _____
Review Code _____ Reviewer _____ Date _____

 ***Resource Name or #** (Assigned by recorder): MR 5

P1. Other Identifier: 5266 Walnut Drive, 5270 Walnut Drive
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County:** Colusa
and (P2b and P2c or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad:** Cortina Creek **Date:** 2021 **T:**15N; **R:**3W; **Sec:** 29
c. Address: 5217 Walnut Drive & 5270 Walnut Drive City: Williams Zip: 95987
d. UTM: (give more than one for large and/or linear resources) Zone: n/a
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
Assessor Parcel Numbers (APNs): 016-290-054, 016-290-055, 016-290-048, 016-290-057

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This is a rural residential property of 2.42 acres contains one single-family residence, one mobile home, a garage, small outbuilding, and carport. The single-family residence is set back from the public roadway and largely obscured by vegetation (**Photographs 1 & 2**). This residence is one story with a side gable roof and cross gable rear wing. The roof is clad in composition shingles and has a moderate slope. Horizontal wood siding covers the wall. Windows visible during fieldwork include vertical sliding sash and several others obscured by screens. A door on the side of the house appears to be metal. In front of the house is a small ancillary building with a gable roof, asbestos siding, and a horizontal sliding sash window. Another small ancillary building has a gable roof and vertical groove wood panel walls (see Continuation Sheet).

***P3b. Resource Attributes:** (List attributes and codes) HP2 – Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)



P5b. Description of Photo: (View, date, accession#) **Photograph 1.** Camera facing south, October 31, 2024.

***P6. Date Constructed/Age and Sources:**
☒ Historic ☐ Prehistoric ☐ Both
1949 & 2003 (Colusa County Assessor)

***P7. Owner and Address:**
Larry D. & Darlene V. Farmer
5266 Walnut Drive
Williams, CA 95987

***P8. Recorded by:**
Steven J. "Mel" Melvin &
Marq Mamaril
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95618

***P9. Date Recorded:** October 31, 2024

***P10. Survey Type:** (Describe)
Intensive

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") JRP Historical Consulting, LLC, "Built Environment Inventory and Evaluation Report, Saloon Energy Storage Project, Colusa County," prepared for Dudek and Kimley Horn, 2024.

***Attachments:** ☐ None ☐ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐Other (list) _____

B1. Historic Name: n/a
B2. Common Name: n/a
B3. Original Use: farmstead B4. Present Use: residential
***B5. Architectural Style:** Minimal Traditional
***B6. Construction History**: (Construction date, alteration, and date of alterations) Single-family residence built in 1949; mobile home built in 2003; alterations: the lot with the single-family residence originally contained several agricultural outbuildings that have been demolished; the original garage door has been removed and replaced with siding. The dates of the alterations are unknown.
***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** n/a **Original Location:** n/a
***B8. Related Features:** _____
B9. Architect: unknown b. Builder: unknown
***B10. Significance: Theme:** n/a **Area:** Williams (vic)
Period of Significance: n/a **Property Type:** Rural residential **Applicable Criteria:** n/a
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The property at 5266 Walnut Drive / 5270 Walnut Drive is not eligible for listing in the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CRHR) because it does not have the historic significance required to meet the evaluation criteria. This property has been evaluated in accordance with Section 106 of the National Historic Preservation Act of 1966 (as amended) (54 U.S.C. 306108) and its implementing regulations (36 CFR Part 800) and Section 15064.5(a)(2)-(3) of the California Environmental Quality Act (CEQA) Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code. This property is not a historical resource for the purposes of CEQA.

B11. Additional Resource Attributes: _____

***B12. References:** *Colusa Daily Sun*; DeJarnatt & Crane, *Official Map of Colusa County, California* (San Francisco: Britton & Rey, 1885; Guinn, *History of the State of California and Biographical Record of the Sacramento Valley* (Chicago: Chapman Publishing Co., 1906); see also footnotes.

B13. Remarks:

***B14. Evaluator:** Steven J. "Mel" Melvin
***Date of Evaluation:** November 2024

(This space reserved for official comments.)



P3a. Description (continued):

Next to the house is a garage with a front gable roof, and asbestos shingle siding (**Photograph 3**). The garage door opening has been filled in with board and batten siding and has a board and batten personnel door. In the gable peak is an opening covered with wood plank shutters. Next to the single-family residence is a modern double-wide mobile home (Photograph 4). In front of the mobile home is an open-sided, metal frame carport with a metal roof.

B10. Significance (continued):

Historic Context

Title to this property passed from the public domain into private hands in 1868 by way of a General Land Office cash entry patent conveyed to Jesse Curl Stovall. This was one of many cash entry patents acquired by Stovall in 1867 and 1868 in this part of Colusa County as part of an effort to increase the landholdings of the Stovall-Wilcoxson Company, a ranching and farming firm founded by Stovall and Jefferson Wilcoxson in the 1850s. The company acquired land in western Colusa County piecemeal during the 1850s and 1860s until they had amassed about 36,000 acres of farmland and rangeland. Their holdings ran from just west of Williams in the vicinity of the study area, west into the foothills to Bear Valley. Stovall-Wilcoxson cultivated wheat and barley on their property west of Williams, while using their land in the foothills as cattle range. Stovall-Wilcoxson proved to be a profitable venture through the late nineteenth century with the company also acquiring commercial property in Williams and starting the Bank of Williams. Jefferson Wilcoxson died in 1897, and Jesse C. Stovall passed away in 1902, after which ownership and management of the company passed to Stovall's two sons, James M. Stovall and H. Curl Stovall. The land inclusive of the study property during the period of Stovall-Wilcoxson ownership was likely used for grain cultivation given its location on the valley floor.[1]

The Stovall-Wilcoxson holdings remained intact until 1919 when a group of twelve investors bought all of the company's property, except for the bank, for about $2 million. In 1921, the new owners sold 5,100 acres of the former Stovall-Wilcoxson land, that included the study property, to the newly-formed Colusa County Land Company (CCLC). The CCLC subdivided the land into small farm tracts, most between 10 and 40 acres, and marketed them as perfect for orchards or vineyards. In the study area, the property at 5266/5270 Walnut Drive was part of the CCLC Subdivision No. 3. Shortly after acquiring the property, the CCLC successfully lobbied for the land to be annexed into the Glenn-Colusa Irrigation District, thus providing a dependable source of water and raising property value. The company had sales offices in Williams, San Francisco, and Los Angeles. By the mid-1920s, some of the land in the CCLC subdivisions had been planted with walnut orchards and rice fields.[2]

The sale of CCLC land was relatively slow and in October 1927, the company sold 3,171 acres to R.P. Sherman of the Sherman Company, inclusive of properties in the study area. The Sherman Company sold the same land to the Williams Land & Development Company (WLDC) in 1929. This company then subdivided a large tract of land west of East Camp Road into small farm lots. The PG&E Cortina Substation documented in this report is on this subdivision known as Williams Land & Development Company Subdivision No. 7. Interestingly, the WLDC sold most of this land back to the Stovall-Wilcoxson Company in 1931, including the property at 5266/5270 Walnut Drive.[3]

The property at 5266/5270 Walnut Drive encompassed a portion of Lot 37 of the CCLC Subdivision No. 3. The first conveyance of Lot 37 to an individual occurred in 1928 when Edward G. Hurt entered into an agreement to purchase with the

[1] "S.F. Paper Tells of Subdivision in Colusa County," *Colusa Daily Sun*, May 8, 1922, 1; J. M. Guinn, *History of the State of California and Biographical Record of the Sacramento Valley* (Chicago: Chapman Publishing Co., 1906), 291, 292, 510, 1501, 1502; General Land Office, Patent to Jesse C. Stovall, Certificate No. 2530, December 1, 1868; DeJarnatt & Crane, *Official Map of Colusa County, California* (San Francisco: Britton & Rey, 1885).

[2] "$200,000 Deal: Valley Men Buy Stovall Ranch," *Colusa Sun-Herald*, August 9, 1919, 1; "May Meet Demand for Small Tracts," *Colusa Sun-Herald*, June 21, 1921, 1; "Colusa Land Co. Holdings Now Part of G.-C. District," *Colusa Sun-Herald*, August 3, 1922, 1; "County Records," *Colusa Sun-Herald*, March 20, 1926, 4; "Supervisors Proceedings," *Colusa Sun-Herald*, December 21, 1925, 3; Colusa County Assessor, Assessor Map 16-29; "Chas. Myers Buys Forty Thousand Bags For Rice," *Colusa Sun-Herald*, August 13, 1926, 1; "Colusa County Land Company to Plant More Than 500 Acres," *Colusa Sun-Herald*, October 22, 1927, 1; Patricia Ash, *Williams* (San Francisco: Arcadia Publishing, 2012), 99, 108, 109.

[3] Colusa County Assessor, Assessor Map 16-27; Than 500 Acres," *Colusa Sun-Herald*, October 22, 1927, 1; "County Records," *Colusa Sun-Herald*, October 22, 1927, 2; "County Records," *Colusa Sun-Herald*, February 26, 1929, 2; "County Records," *Colusa Sun-Herald*, February 7, 1931, 4; "Delinquent Tax List," *Colusa Sun-Herald*, June 4, 1932, 8.

Sherman Company to buy the ten-acre west half of Lot 37 for $1,750. Hurt and his wife Maude were from Azusa, California and moved to Colusa County upon acquisition of the property where they built a house and several outbuildings and started a small farm that included about six acres of orchards by 1937 (**Plate 1**). Hurt acquired fee title to the land in 1943 from the Stovall-Wilcoxson Company upon fulfillment of the 1928 agreement. In addition to the farm, Edward Hurt also worked as a janitor at Williams High School. Following Edward's death in 1948, the west half of Lot 37 passed to his wife, Maude Hurt.[4]

The ten-acre east half of Lot 37 similarly came into ownership by an individual via an agreement to purchase between the Sherman Company and James Algeo in 1929 for $1,750 paid in installments. After signing the agreement, Algeo began growing alfalfa on the tract and built a small barn. Algeo obtained full title to the property in 1939 from the Stovall-Wilcoxson Company. Algeo bought the 29-acre lot adjacent to the south (Lot 38) in 1943. Algeo was from Los Angeles and never resided on the property and does not appear to have purchased additional Colusa County property or to have had any other connection to the area. In 1953, Algeo sold the east half of Lot 37 to Ida A. Young, the mother of Maude Hurt. Young then sold the property to her daughter in 1958, resulting in Maude Hurt owning the entirety of Lot 37. By this time, Hurt had also acquired Lot 38 and the orchards had been replaced with another crop, possibly alfalfa or rice. Hurt owned the property into the 1970s. Currently, the four small parcels constituting the study property are owned by different parties than the adjacent parcels planted in almond orchards.[5]



Plate 1. Aerial photograph dated 1937 showing the west half of Lot 37. Note the building cluster in the upper right corner. This is the same location as the single-family residence.

[4] "Death Takes E.G. Hurt of Williams," *Colusa Sun-Herald,* April 16, 1948, 1; Colusa County Assessor, Assessor Map 16-29; "County Records," *Colusa Sun-Herald*, June 26, 1934, 2; Laval Company, Inc., Aerial Photograph, Flight AYY-1937, Photo No. 99-23, September 24, 1937; "County Records," *Colusa Sun-Herald,* May 26, 1943, 2; "County Records," *Colusa Sun-Herald*, June 3, 1948, 2.

[5] "County Records," *Colusa Sun-Herald*, August 20, 1929, 3; "Southern California Men Inspect Project in Williams Section," *Colusa Sun-Herald*, July 7, 1930, 1; Laval Company, Inc., Aerial Photograph, Flight AYY-1937, Photo No. 99-23, September 24, 1937; "County Records," *Colusa Sun-Herald,* October 31, 1939, 2; "County Records," *Colusa Sun-Herald,* November 13, 1943, 2; "County Records," *Colusa Sun-Herald,* September 21, 1953, 2; "County Records," *Colusa Sun-Herald,* August 7, 1958, 2; "Williams Couple Married," *Colusa Sun-Herald,* January 30, 1956, 1; "Former Williams Resident Dies," *Colusa Sun-Herald,* October 9, 1979, 6; "County Records," *Colusa Sun-Herald*, December 17, 1951, 2; "Delinquent Assessment List of the Glenn-Colusa Irrigation District," *Colusa Sun-Herald,* December 17, 1951, 2; HistoricAerials.com, aerial photographs, 1958, 1973.

Evaluation

This property does not have important associations with significant historic events, patterns, or trends of development (NRHP Criterion A / CRHR Criterion 1). This property was first developed in 1928 as a small farm during a period of subdivision of large rural tracts in this region and the founding of many other small farms. Research did not reveal that this property played an important role within the context of agricultural development in this area. As such, it is not associated with historically significant events, patterns, or trends and does not meet Criteria A / 1.

This property does not have significant association with the lives of persons important to history (NRHP Criterion B / CRHR Criterion 2). Research did not find that any owners, occupants, or other individual directly associated with this property made demonstrably important contributions to history at the local, state, or national level.

Under NRHP Criterion C / CRHR Criterion 3, this property is not significant as an important example of a type, period, or method of construction, as the work of a master, or for possessing high artistic values. The Minimal Traditional style residence on this property was built in 1949, using a style that emerged in the 1930s as the popularity of the Craftsman Bungalow and period revival dwellings waned and were replaced by simpler designs. The Minimal Traditional style not only reflected a desire for economy, but also the influence of the Modern architectural movement and its rejection of elaborate decoration. Sometimes considered a "compromise style," the Minimal Traditional house reflected the form and shape of earlier housing styles, but without the decorative detailing. Generally, these buildings had low to medium roof pitches with close rather than overhanging eaves, boxy massing, and wood, stucco, or brick siding. The Minimal Traditional style remained popular through the 1960s.[6] The residence on this property is a modest and unremarkable example of the Minimal Traditional style and is not significant under these criteria.

Under NRHP Criterion D / CRHR Criterion 4, this property is not a significant or likely source of important information about historic construction materials or technologies that is not otherwise available through documentary evidence.

Photographs (Continued):



Photograph 2: Residence, facing southeast, October 31, 2024.

[6] Virginia Savage McAlester, *A Field Guide to American Houses* (New York: Alfred A. Knopf, 2013), 586-595.



Photograph 3: Garage, facing southeast, October 31, 2024.



Photograph 4: Mobile home and carport, facing southwest, October 31, 2024.

APPENDIX C

PREVIOUS EVALUATION AND CORRESPONDENCE

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code 2S
Other Listings _____
Review Code _____ Reviewer _____ Date _____

 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

P1. Other Identifier: 230kV Pit to Vaca-Dixon No. 1 Transmission Line

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County** Shasta, Tehama, Glenn, Colusa, Yolo, Solano **and** (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** _____ **Date** _____ **T** _____; **R** _____; _____ ¼ **of Sec** _____; _____ **B.M.**

c. Address _____ City _____ Zip _____

d. UTM: (give more than one for large and/or linear resources) Zone _____; _____mE/ _____mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

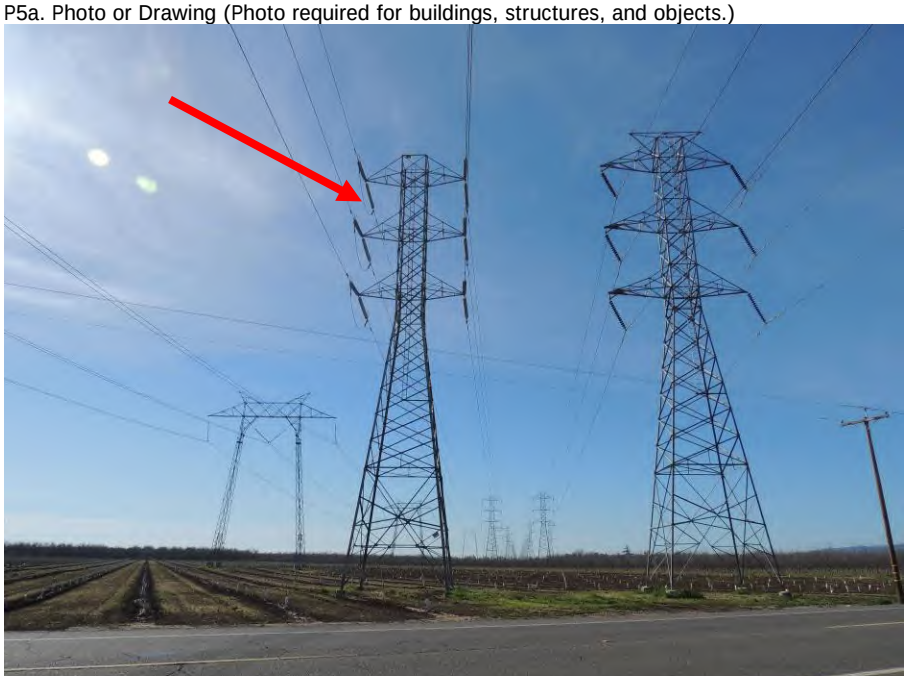
***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This form records the 230kV Pit to Vaca-Dixon No. 1 transmission line (Pit-Vaca-Dixon No. 1), the first transmission line specifically designed to transmit 220kV of electricity across a long distance. Constructed between 1920 and 1923, Pit to Vaca-Dixon No. 1 travels 202 miles and traverses six counties, originating at the Pit 1 Powerhouse along the Pit River in northeastern Shasta County and terminating at the Vaca-Dixon Substation on the north side of Interstate 80 between the cities of Vacaville and Dixon in Solano County. In Shasta County, segments of the transmission line traverse Lassen National Forest land. Pit to Vaca-Dixon No. 1 is presently composed of six operational 230 kV circuits—Pit 1-Pit 3; Pit 3-Carberry Switching Station; Carberry Switching Station-Round Mountain; Round Mountain-Cottonwood #3; Cottonwood-Delevan #2; and Delevan-Vaca #2—and it is carried by over 1,500 transmission towers and other support structures, the vast majority of which date to the original years of construction (see **Vicinity Map** and Continuation Sheets). All recordation points have been assigned designations that are an abbreviation of the circuit name with the structure's station number.

***P3b. Resource Attributes:** (List attributes and codes) HP11 – Engineering Structure; HP9 – Public Utility

***P4. Resources Present:** ☐ Building ☒ Structure ☐ Object ☐ Site ☐ District ☒ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #) **Photograph 1**: Typical view of valley segment, Pit to Vaca-Dixon No. 1 transmission line at center, camera facing south, March 8, 2017.

***P6. Date Constructed/Age and Sources:**
☒ Historic ☐ Prehistoric ☐ Both
1920-1923 (PG&E)

***P7. Owner and Address:**
Pacific Gas & Electric Company
77 Beale Street
San Francisco, CA 94105

***P8. Recorded by:** (Name, affiliation, address)
Heather Norby & Stephen Wee
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95618

***P9. Date Recorded:** March 8-9, 2017

***P10. Survey Type:** (Describe) Intensive

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") Pit No. 3 – Pit No. 1 230 kV NERC Project, Shasta-Trinity National Forest, and Lassen National Forest, Shasta County, Historical Resources Inventory and Evaluation Report

***Attachments:** ☐ None ☐ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☒ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other (list) _____

***Resource Name or #** (Assigned by recorder) 230kV Pit 1 to Vaca-Dixon No. 1 Transmission Line

B1. Historic Name: Pit to Vaca Dixon No. 1; Pit-Vaca 220kV Line No. 300

B2. Common Name: 230kV Pit to Vaca-Dixon No. 1; also circuits: 230 kV Pit #3 – Pit #1. 230 kV Pit #3 to Carberry Switching Station, 230 kV Carberry Switching Station to Round Mountain, 230 kV Round Mountain to Cottonwood #3, 230 kV Cottonwood to Delevan #2, 230 kV Delevan to Vaca #2.

B3. Original Use: electrical transmission B4. Present Use: electrical transmission

***B5. Architectural Style:** n/a – utilitarian

***B6. Construction History:** (Construction date, alteration, and date of alterations) Constructed from 1920 to 1923; most corona shields replaced 1944, new conductors installed on valley segment between Cottonwood and Vaca-Dixon Substation in 1955-56, tower arms retrofitted at same time, corona shields replaced, additional insulator added.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:** Pit 1 Powerhouse, Round Mountain Substation, Cottonwood Substation, Delevan Substation, Vaca-Dixon Substation.

B9. Architect: Frank G. Baum, engineer b. Builder: PG&E

***B10. Significance: Theme** Engineering - electrical **Area** Northern California

Period of Significance 1923-1966 (A/1); 1923 (C/3) **Property Type** Transmission Line **Applicable Criteria** NRHP A/C; CRHR 1/3

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The Pit to Vaca-Dixon No. 1 Transmission Line meets National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) criteria A/1 and C/3 at the state level for its significance within the context of the development of long distance, high-voltage electrical transmission, for its engineering innovation, and for its association with master engineer, Frank G. Baum. It is individually eligible for both registers, and it is a contributor to the previously identified Pit 1 Hydroelectric Plant Historic District. Pit to Vaca-Dixon No. 1 Transmission Line is an historic property under Section 106 of the National Historic Preservation Act, and it is an historical resource under the California Environmental Quality Act (CEQA). This property has been evaluated in accordance with Section 15064.5(a)(2)-(3) of the CEQA Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code (see Continuation Sheet).

B11. Additional Resource Attributes: (List attributes and codes) _____

***B12. References:** Frank G. Baum, "Report on Pacific Gas & Electric Company Transmission Changes, and Report on Pacific Gas & Electric Company 200 Mile, 220,000 Volt, 300,000 K.W. Transmission Line," San Francisco, November 10, 1919; Robert Wilhelm Ahlquist, "Transmission of Electrical Energy at 220,000 volts" (Bachelors Thesis, School of Mines, 1924), J.P. Jollyman, "Transmission of Hydro-Electric Energy at 220,000 Volts," *Pacific Service Magazine* XIII, no. 10 (1922); also see footnotes.

B13. Remarks:

***B14. Evaluator:** Heather Norby

***Date of Evaluation:** March 2017

(This space reserved for official comments.)

(Sketch Map with north arrow required.)

See continuation sheet.

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Pit 3 to Pit 1 – 000/000B; 41184138 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 0/0B

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** P3-P1 – 000/000B

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 40.992297/-121.498121; UTM Zone: 10 T. See **Site Maps** on Continuation Sheets.
These transmission structures are located to the northwest rear of the Pit 1 Powerhouse switchyard, south of the junction of Highway 299 and Pit No. 1 Powerhouse Road, and approximately 11 miles northeast of the unincorporated town of Burney in Shasta County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes Pit 3-Pit 1 – 000/000B, the only structure of its type in the Pit 3-Pit 1 Circuit No. 1 transmission route. Constructed in 1922, the lattice steel terminal structure features six, 46-foot-tall, lattice steel beams spaced approximately 28 feet apart, with each secured directly into individual concrete foundations with guy wires for additional support. The top of each beam contains a single, 12-disc, Ohio Brass Co. O-DE string-type, ceramic dead-end insulator with shackles, Y-clevis and ball socket eyes, corona shields, and wire clamps. The insulators were likely installed by 1923 and measure roughly 9.5 feet in length and 10 inches in diameter. The 12 insulators anchor and direct the six single-line conductors that comprise, from east to west, Pit-Vaca-Dixon Circuit Nos. 1 and 2 from the Pit 1 switch and bus structure to the circuits' first transmission towers.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 56 feet
- **b. Bottom Width:** approximately 112 feet
- **c. Height or Depth:** 46 feet
- **d. Length of Segment:** n/a

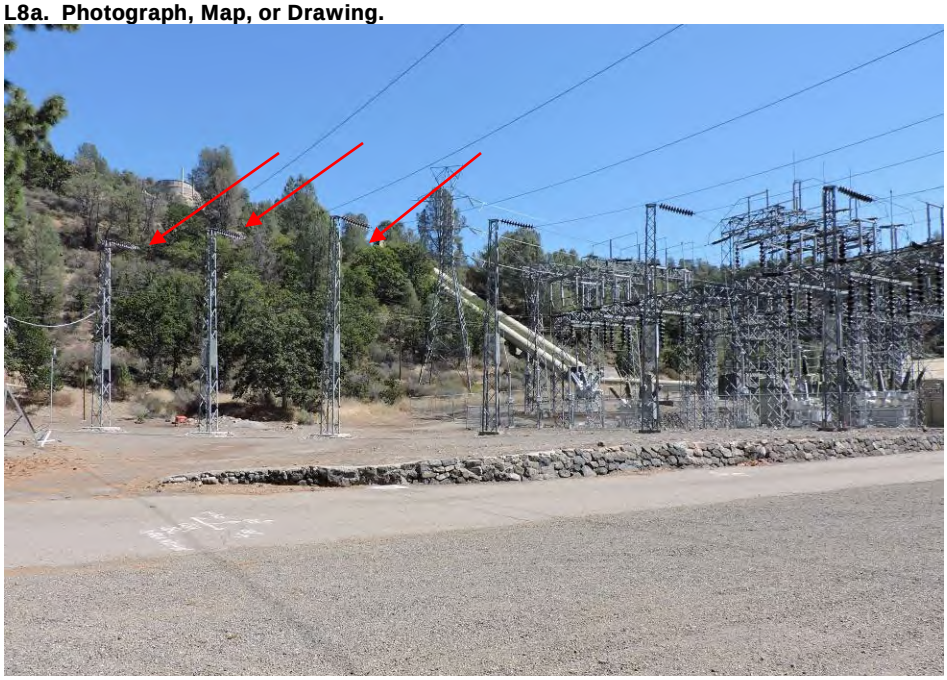
L5. Associated Resources:
In the boundaries of the
Pit 1 Hydroelectric Plant Historic District

L4e. Sketch of Cross-Section (include scale) **Facing**

n/a

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This lattice terminal structure is surrounded by tree-covered mountain terrain and stands adjacent to the Pit 1 Powerhouse complex.

L8a. Photograph, Map, or Drawing.



L7. Integrity Considerations: These structures have a high level of integrity under all considerations.

L8b. Description of Photo, Map, or Drawing:
Photograph 2: Structure 000/000B of 230 kV Pit 3-Pit 1 circuit are the three lattice poles at left; camera facing east, September 13, 2016.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: September 13, 2016.

***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name: 230kV Pit 3-Pit 1 – 000/003; 41184144 (SAP_EQ_NBR); Pit to Vaca Dixon No. 1 – 0/3

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** P3-P1 – 000/003

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)

Lat/Long: 40.9903/-121.5023; UTM Zone 10 T. See **Site Maps** on Continuation Sheets.

This transmission tower is located directly north of where the Pit 1 Powerhouse tailrace converges with the Pit River, approximately 11 miles northeast of the unincorporated town of Burney in Shasta County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)

This linear feature record describes Tower 000/003 of circuit 230 kV Pit 3 to Pit 1, one of 15 **SC-DE-type** transmission towers in the Pit to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the 57-foot-tall, single-circuit, lattice steel, A-frame, dead-end snow tower features an approximately 20-foot square base, two sides of the tower body that taper toward the top, and a roughly 20-foot-long and four-foot-wide top gantry beam with lattice bracing and two nine-foot cross arms on the ends. Attached to the beam and cross arms are six, 12-disc, Ohio Brass Co. O-DE string-type, ceramic dead-end insulators with shackles, Y-clevis and ball socket eyes, corona shields, and wire clamps. The insulators were installed in 1923, measure roughly 9.5 feet in length and 11 inches in diameter, and are spaced approximately 19 feet apart. Each of the three, 518,000-centimeter, steel-core aluminum line conductors are anchored by two strings of insulators. This single-circuit dead-end snow tower is secured directly into four, approximately 7.5-foot-deep concrete stub footings, with no guy wires for support.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)

- **a. Top Width:** approximately 38 feet
- **b. Bottom Width:** approximately 20 feet
- **c. Height or Depth:** 57 feet
- **d. Length of Segment:** n/a

L5. Associated Resources:

In the boundaries of the
Pit 1 Hydroelectric Plant Historic District

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)

The tower is surrounded by tree-covered mountain terrain and riparian belts to the south alongside the Pit 1 Powerhouse tailrace and the Pit River.

L8a. Photograph, Map, or Drawing.



L7. Integrity Considerations: This tower has good integrity in all considerations.

L8b. Description of Photo, Map, or Drawing:
Photograph 3: Aerial view, Tower 000/003 of 230 kV Pit 3-Pit 1 circuit at left; camera facing north / northeast, March 11, 2013.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 11, 2013

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # _____
HRI # _____
Trinomial _____

Page 5 **of** 75 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Pit 3-Carberry Switching Station – 013/113; 40657332 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 13/113

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** P3-CSS – 013/113

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat/Long: 40.875545/-121.719212; UTM Zone 10 T. See **Site Maps** on Continuation Sheets.
This transmission tower is located directly south of California State Route 299, about 647 yards west of Ivan Marx Road, and roughly two miles west of the unincorporated town of Burney in Shasta County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 013/113 in the 230 kV circuit Pit 3-Carberry Switching Station, one of 454 **SA-type** transmission towers in the Pit to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the 69-foot-tall, single-circuit, lattice steel, A-frame, suspension snow tower features an approximately 20-foot square base, two sides of the tower body that taper toward the top, and a roughly 20-foot-long and four-foot-wide top gantry beam with lattice bracing and two nine-foot cross arms on the ends. Attached to the beam and cross arms are three, 13-disc, Ohio Brass Co. OS string-type, ceramic suspension insulators with ball hooks, corona shields, and wire clamps. The insulators were installed in 1923, measure roughly eight feet in length and 10 inches in diameter, and are spaced approximately 19 feet apart**.** Each insulator supports a single, 518,000-centimeter, steel-core aluminum line conductor. This single-circuit suspension snow tower is secured directly into four, approximately 7.5-foot-deep concrete stub footings, with no guy wires for support.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 38 feet
- **b. Bottom Width:** approximately 20 feet
- **c. Height or Depth:** 74 feet
- **d. Length of Segment:** n/a

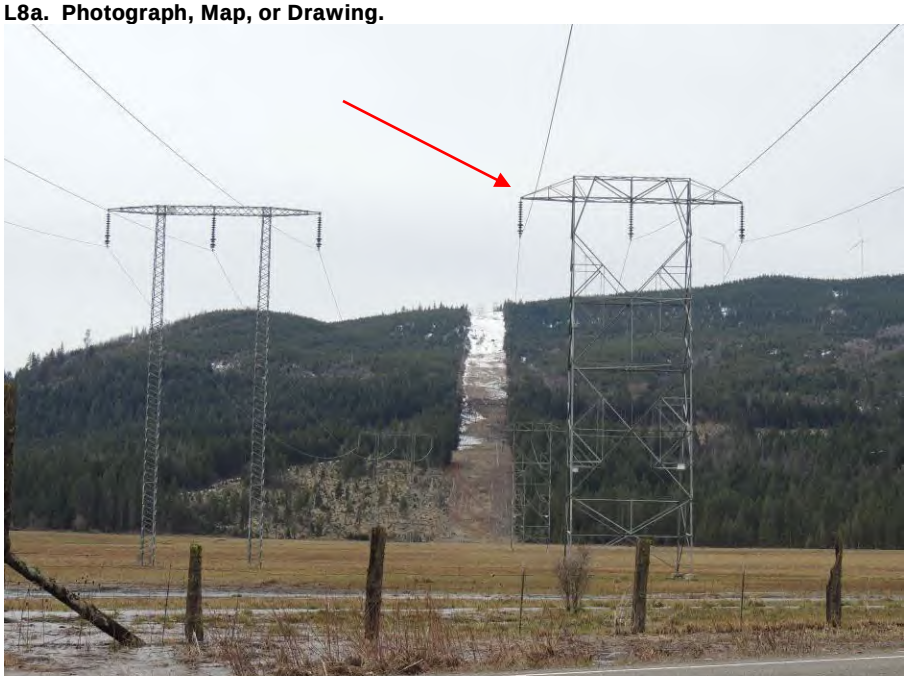
L5. Associated Resources:
Pit 1 Powerhouse, Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by ranchlands and California State Route 299 to the north.

L8a. Photograph, Map, or Drawing.



L7. Integrity Considerations: This tower has good integrity in all considerations.

L8b. Description of Photo, Map, or Drawing:
Photograph 4: Tower 013/113 of 230kV Pit 3-Carberry Switching Station at right (tower at left is Pit to Vaca-Dixon No. 2), camera facing southwest, March 9, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 9, 2017

***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Carberry Switching Station-Round Mountain – 016/133; 40657334 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 16/133

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** CSS-RM – 016/133

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 40.853371/-121.756397; UTM Zone 10 T. See **Site Maps** on Continuation Sheets.
This transmission tower is located roughly 133 yards south of California State Route 299, about 0.50 miles southwest of the Carberry Switching Station, and about 4.40 miles southwest of the unincorporated town of Burney in Shasta County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 016/133 of the circuit 230 kV Carberry Switching Station-Round Mountain, one of 64 **SC-type** transmission towers in the Pit to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the approximately 63-foot-tall, single-circuit, lattice steel, A-frame, anchor snow tower features an approximately 20-foot square base, two sides of the tower body that taper toward the top, and a roughly 20-foot-long and four-foot-wide top gantry beam with lattice bracing and two nine-foot cross arms on the ends. Attached to the beam and cross arms are three, 10-disc, ceramic suspension insulators with ball hooks and wire clamps. The insulators were installed in 1922, measure roughly 9.5 feet in length and 10 inches in diameter, and are spaced approximately 19 feet apart. Each insulator supports a single, 500,000-centimeter, rope-lay copper line conductor. This single-circuit anchor snow tower is secured directly into four, approximately 7.5-foot-deep concrete stub footings, with no guy wires for support.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 38 feet
- **b. Bottom Width:** approximately 20 feet
- **c. Height or Depth:** approximately 63 feet
- **d. Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L6. Setting: (Describe natural features, landscape characteris
This tower is surrounded by agricultural ranchlands, with a paved road to the immediate east.

L7. Integrity Considerations: This tower has good integrity under all considerations.

L8a. Photograph, Map, or Drawing.



L8b. Description of Photo, Map, or Drawing:
Photograph 5: Tower 016/133 of 230 kV Carberry Switching Station-Round Mountain circuit at right; camera facing southwest, March 9, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 9, 2017

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Round Mountain-Cottonwood No. 3 – 056/507; 40816462 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 56/507

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** RM-C3 – 056/507

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 40.437316/-122.233450; UTM Zone 10 T. See **Site Maps** on Continuation Sheets.
This transmission tower is located roughly 114 yards east of Kimberly Road, 468 yards northeast of Balls Ferry Road, and approximately three miles southeast of the city of Anderson in Shasta County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 056/507 in the 230 kV circuit Round Mountain-Cottonwood No. 3, one of 16 **SA-TRANSP.-type** transmission towers in the Pit to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the 71-foot-tall, single-circuit, lattice steel, A-frame, transposition snow tower features an approximately 20-foot square base, two sides of the tower body that taper toward the top, two roughly 20-foot-long and four-foot-wide, parallel top gantry beams with lattice bracing spaced approximately 16 feet apart, and a single, approximately nine-foot-long cross arm extending from the east side of the lowermost gantry beam. Attached at the center of both beams and at the end of the cross arm are three, 13-disc ceramic suspension insulators with ball hooks, corona shields, and wire clamps. The insulators were installed in 1923, measure roughly eight feet in length and 10 inches in diameter, and are spaced approximately 16 feet apart from top to bottom and 19 feet apart from side to side. Each insulator supports a single, 500,000-centimeter, rope-lay copper line conductor. This single-circuit transposition snow tower is secured directly into four, approximately 7.5-foot-deep concrete stub footings, with no guy wires for support.

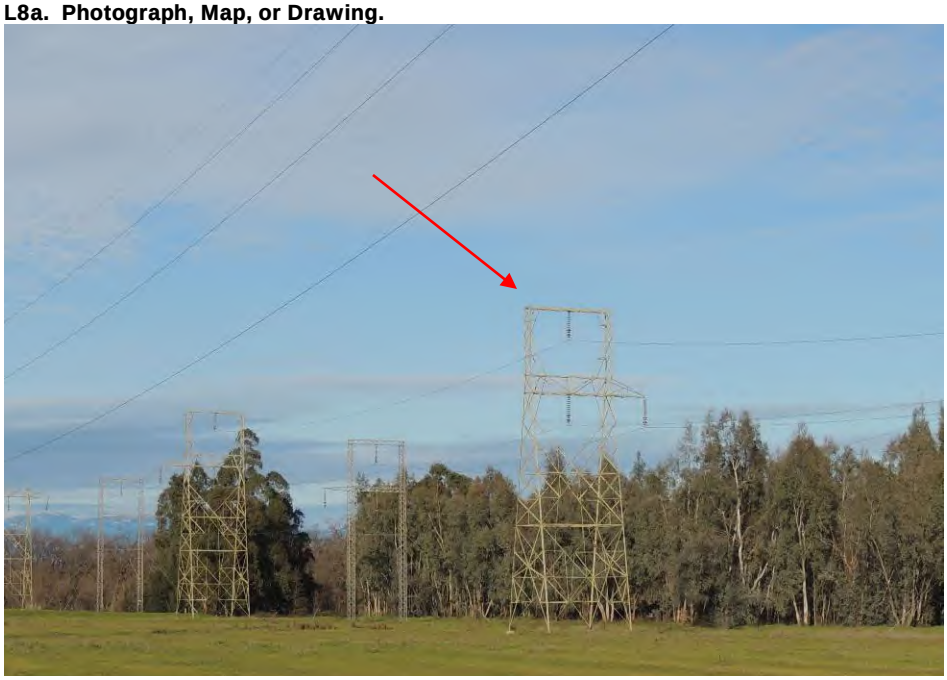
L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **e. Top Width:** approximately 29 feet
- **f. Bottom Width:** approximately 20 feet
- **g. Height or Depth:** 71 feet
- **h. Length of Segment:** n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L8a. Photograph, Map, or Drawing.



L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural ranchlands, with a paved road to the immediate south.

L7. Integrity Considerations: This tower has good integrity under all considerations.

L8b. Description of Photo, Map, or Drawing:
Photograph 6: Tower 056/507 of 230 kV Round Mountain-Cottonwood 3 circuit at center; camera facing northeast, March 9, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 9, 2017

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Round Mountain-Cottonwood No. 3 – 056/512; 40684023 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 56/512

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** RM-C3 – 056/512

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 40.432106/-122.237358; UTM Zone 10 T. See **Site Maps** on Continuation Sheets.
This transmission tower is located on the northwest side of Kimberly Road about 197 yards southwest of Balls Ferry Road, approximately three miles southeast of the city of Anderson in Shasta County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 056/512 of the circuit 230 kV Round Mountain-Cottonwood No. 3, one of 454 **SA-type** transmission towers in the Pit 1-Vaca-Dixon Circuit No. 1 transmission route. Constructed in 1922, the approximately 68-foot-tall, single-circuit, lattice steel, A-frame, suspension snow tower features an approximately 20-foot square base, two sides of the tower body that taper toward the top, and a roughly 20-foot-long and four-foot-wide top gantry beam with lattice bracing and two nine-foot cross arms on the ends. Between 2013 and 2017, an approximately 12-foot-tall top cage was installed, extending the tower height from its original 56 feet. Attached to the ends of the cross arms are two, 15-disc, replacement ceramic suspension insulators with ball hooks and wire clamps. Both insulators measure roughly 9.5 feet in length and 10 inches in diameter. Attached to the center beam is a V-type ceramic suspension insulator with ball hooks, a socket clevis, and a suspension wire clamp. All of the insulators were installed sometime between 2013 and 2017, replacing the original 12-disc, Ohio Brass Co. OS string-type insulators. Each insulator supports a single, 500,000-centimeter, rope-lay copper line conductor. The single-circuit suspension snow tower is secured directly into four, approximately 7.5-foot-deep concrete stub footings, with no guy wires for support.

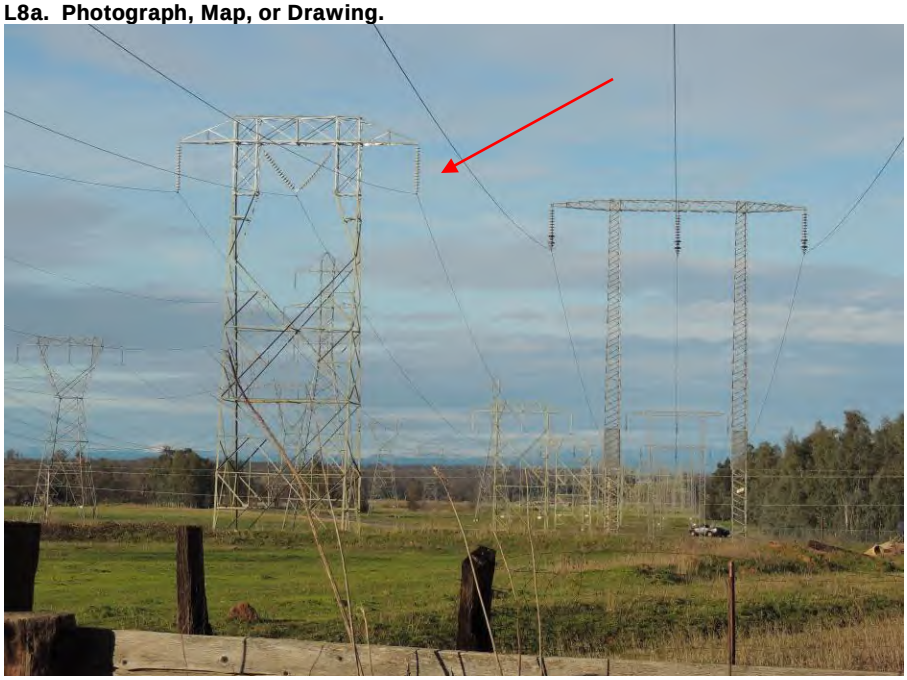
L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **i. Top Width:** approximately 38 feet
- **j. Bottom Width:** approximately 20 feet
- **k. Height or Depth:** approximately 68 feet
- **l. Length of Segment:** n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L8a. Photograph, Map, or Drawing.



L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural ranchlands, with a paved road to the immediate east.

L7. Integrity Considerations: This tower has had a top cage installed that is constructed of appropriate materials, but diminishes the integrity of design.

L8b. Description of Photo, Map, or Drawing:
Photograph 7: Tower 056/512 of 230 kV Round Mountain-Cottonwood 3 circuit at left in foreground; camera facing northeast, March 9, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 9, 2017

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Cottonwood-Delevan No. 2 – 000/001; 40651417 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 60/543

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** CD2 – 000/001

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 40.396857/-122.263212; UTM Zone: 10 T. See **Site Maps** on Continuation Sheets.
This transmission tower is located directly south and adjacent to the Cottonwood Substation, on the north side of Trefoil Lane west of Jim Dandy Road in the census-designated place of Cottonwood in Shasta County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 000/001 of the circuit 230 kV Cottonwood-Delevan No. 2, one of three **OGX-DE-type** transmission towers in the Pit to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the 103-foot-tall, double-circuit, lattice steel, dead-end tower features an approximately 24-foot square base with all four sides of the tower body tapering toward the top. The approximately 40-foot-long and six-foot-wide top cage contains six, approximately 5.5-foot-wide lattice steel cross arms that extend an estimated 11 feet from both sides and are spaced approximately 15 feet apart. Attached to the ends of the cross arms are 12, 17-disc, replacement ceramic dead-end insulators with tower fittings and strain clamps. The insulators measure roughly 10.5 feet in length and 11 inches in diameter. These insulators were installed sometime between 2012 and 2017, replacing the modified Ohio Brass Co. O-DE string-type insulators, which replaced the original models in 1956 when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each of the six conductors are anchored by two insulators. This double-circuit dead-end tower is secured directly into four concrete stub footings, with no guy wires for support.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 28 feet
- **b. Bottom Width:** approximately 24 feet
- **c. Height or Depth:** 103 feet
- **d. Length of Segment:** n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L8a. Photograph, Map, or Drawing.



L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural land, the Cottonwood Substation, and Trefoil Lane.

L7. Integrity Considerations: This tower has good integrity under all considerations; the conductors were replaced in 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 8: Tower 000/001 of 230 kV Cottonwood-Delevan 2 circuit at right; camera facing north, March 9, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 9, 2017

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Page 10 **of** 75 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Cottonwood-Delevan No. 2 – 000/004; 40817875 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 60/546

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** CD2 – 000/004

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 40.391400/-122.266999; UTM Zone: 10 T. See **Site Maps** on Continuation Sheets.
This transmission tower is located in an agricultural field immediately northwest of the property at 3450 Balls Ferry Road near the intersection of Balls Ferry Road and Black Lane in the census-designated place of Cottonwood in Shasta County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 000/004 of the circuit 230 kV Cottonwood-Delevan No. 2, one of nine **MGX-type** transmission towers in the Pit 1 to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the 103-foot-tall, double-circuit, lattice steel suspension tower features an approximately 20-foot square base with all four sides of the tower body tapering toward the top. The approximately 40-foot-long and six-foot-wide top cage contains six, approximately 5.5-foot-wide lattice steel cross arms that extend an estimated 11.5 feet from both sides and are spaced approximately 16.5 feet apart. Attached to the ends of the cross arms are six, 15-disc, replacement ceramic suspension insulators with ball hooks and suspension wire clamps. The insulators measure roughly 7.5 feet in length and 10 inches in diameter. These insulators were installed sometime between 2012 and 2017, replacing the modified Ohio Brass Co. OS string-type insulators, which replaced the original models in 1956 when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each insulator supports a single line conductor. This double-circuit suspension tower is secured directly into four concrete stub footings, with no guy wires for support.

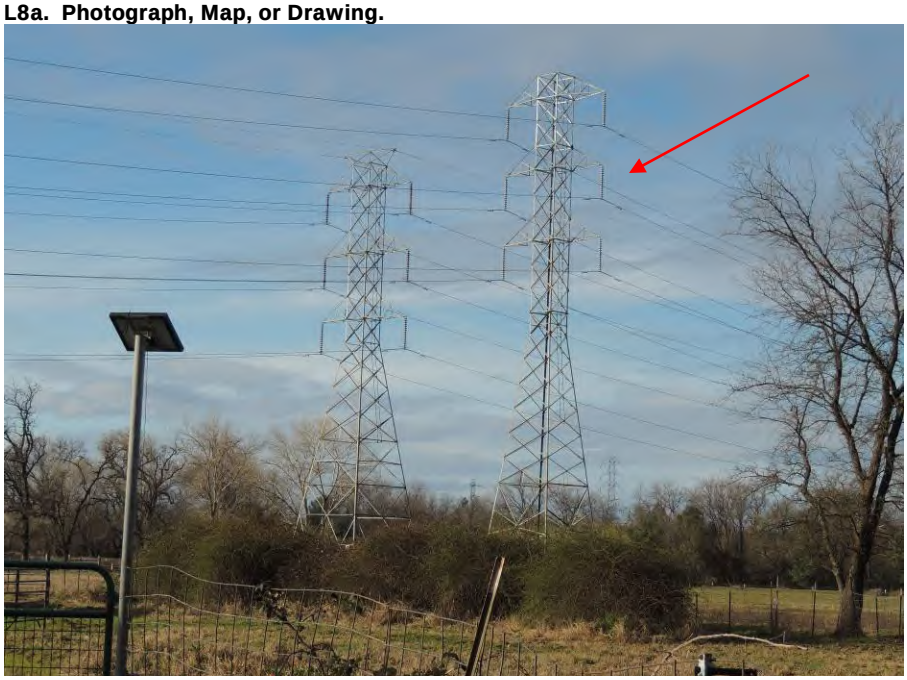
L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 29 feet
- **b. Bottom Width:** approximately 20 feet
- **c. Height or Depth:** 103 feet
- **d. Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural fields and Balls Ferry Road to the south.

L8a. Photograph, Map, or Drawing.



L7. Integrity Considerations: This tower has good integrity; insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 9: Tower 000/004 of 230 kV Cottonwood – Delevan circuit at right; camera facing west/northwest, March 9, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 9, 2017

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Page 11 **of** 75 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Cottonwood-Delevan No. 2 – 068/601; 40593929 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 68/601

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** CD2 – 068/601

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 40.267403/-122.267831; UTM Zone: 10 T. See **Site Maps** on Continuation Sheets.
This transmission tower is located on the grassy median strip between north- and southbound lanes of the Interstate-5 freeway, about 391 yards southeast of the Herbert S. Miles Rest Area in the city of Red Bluff in Tehama County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 068/601 of circuit 230 kV Cottonwood-Delevan No. 2, one of eight **85'-STD-HI-TWR-type** transmission towers in the Pit to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the 133-foot-tall, double-circuit, lattice steel anchor tower features an approximately 26-foot square base with all four sides of the tower body tapering toward the top. The approximately 46-foot-long and six-foot-wide top cage contains six, roughly six-foot-wide lattice steel cross arms that extend from both sides an estimated 12 feet, increased from 10 feet in 1956, and are spaced approximately 17 feet apart. Attached to the ends of the cross arms are six, 16-disc, replacement ceramic suspension insulators with ball hooks, arcing horns, and suspension clamps. The insulators measure roughly 7.5 feet in length and 10 inches in diameter. The original, Ohio Brass Co. OA string-type insulators were installed in 1922 and replaced in 1956 when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each insulator supports a single line conductor. This double-circuit anchor tower is secured directly into four, approximately 15-foot-deep concrete stub footings, with no guy wires for support.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 30 feet
- **b. Bottom Width:** approximately 26 feet
- **c. Height or Depth:** 133 feet
- **d. Length of Segment:** n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by a grassy median strip with north- and southbound lanes of the Interstate-5 freeway directly to the east and west, respectively.

L8a. Photograph, Map, or Drawing.


L7. Integrity Considerations: This tower has good integrity; insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 10: Tower 068/601 of Cottonwood-Delevan 2 circuit at left; camera facing southeast, March 9, 2017

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 9, 2017

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 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Cottonwood-Delevan No. 2 – 090/750; 40601413 (SAP_EQ_NBR); Pit to Vaca Dixon No. 1 – 90/750

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** CD2 – 090/750

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 39.955713/-122.266112; UTM Zone: 10 S. See **Site Maps** on Continuation Sheets.
This transmission tower is located in an agricultural field immediately south of Simpson Road, between Blatchley Road to the east and Freeman Schoolhouse Road to the west, in the city of Corning in Tehama County.

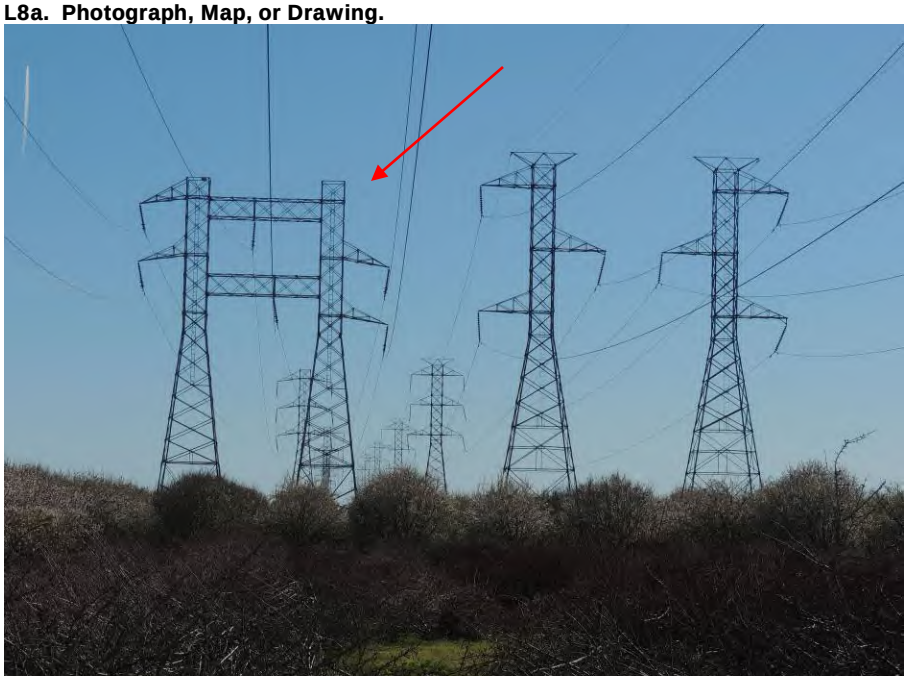
L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 090/750 of the circuit 230kV Cottonwood-Delevan No. 2, one of 13 **M-TRANSP.-type** transmission towers in the Pit 1 to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the 98-foot-tall, double-circuit, lattice steel transposition tower features two modified M-type towers connected by two, approximately 17.5-foot-long, lattice steel trusses, with each tower possessing an approximately 20-foot square base with all four sides of each tower body tapering toward the top. The approximately 42-foot-long and six-foot-wide top cages each include two, roughly five-foot-wide lattice steel cross arms that extend an estimated 12 feet from the outer sides and are spaced approximately 15 feet apart. Attached to the four outer cross arms and to the two center connecting trusses are six, 15-disc, modified Ohio Brass Co. OS string-type, ceramic suspension insulators with ball hooks, ball socket eyes, arcing horns, and suspension clamps. The insulators measure roughly 7.5 feet in length and 10 inches in diameter. The insulators were installed in 1922 and modified in 1956 when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each insulator supports a single line conductor. This double-circuit transposition tower is secured directly into eight, approximately 8.5-foot-deep concrete stub footings, with no guy wires for support.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 53.5 feet
- **b. Bottom Width:** approximately 57.5 feet
- **c. Height or Depth:** 98 feet
- **d. Length of Segment:** n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural land and Simpson Road to the north.

L8a. Photograph, Map, or Drawing.


L7. Integrity Considerations: This tower has good integrity; some insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 11: Tower 090/750, circuit 230 kV Cottonwood – Delevan 2 at left; camera facing south, March 8, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 8, 2017

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

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 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Cottonwood-Delevan No. 2 – 100/822; 40657992 (SAP_EQ_NBR); Pit to Vaca Dixon No. 1 – 100/822

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** CD2 – 100/822

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 39.802492/-122.265346; UTM Zone: 10 S. See **Site Maps** on Continuation Sheets.
This transmission tower is located in the middle of an expanse of agricultural ranchland, roughly 175 yards north of Roser Road west of County Road 3 near the southern border of Tehama County, a little over five miles northwest of the city of Orland.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 100/822 of circuit 230 kV Cottonwood-Delevan No. 2, the only **G-type** transmission tower in the Pit 1 to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the 110-foot-tall, double-circuit, lattice steel suspension tower features an approximately 24-foot square base with all four sides of the tower body tapering toward the top. The approximately 44.25-foot-long and six-foot-wide top cage contains six, roughly 5.5-foot-wide lattice steel cross arms that extend from both sides an estimated 12 feet, increased from 11.5 feet in 1956, and are spaced approximately 16.5 feet apart. Attached to the ends of the cross arms are six, 15-disc, modified Ohio Brass Co. OS string-type, ceramic suspension insulators with ball hooks, ball socket eyes, arcing horns, and suspension clamps. The insulators measure roughly 7.5 feet in length and 10 inches in diameter. The insulators were installed in 1922 and modified in 1956 when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each insulator supports a single line conductor. This double-circuit suspension tower is secured directly into four concrete stub footings, with no guy wires for support.

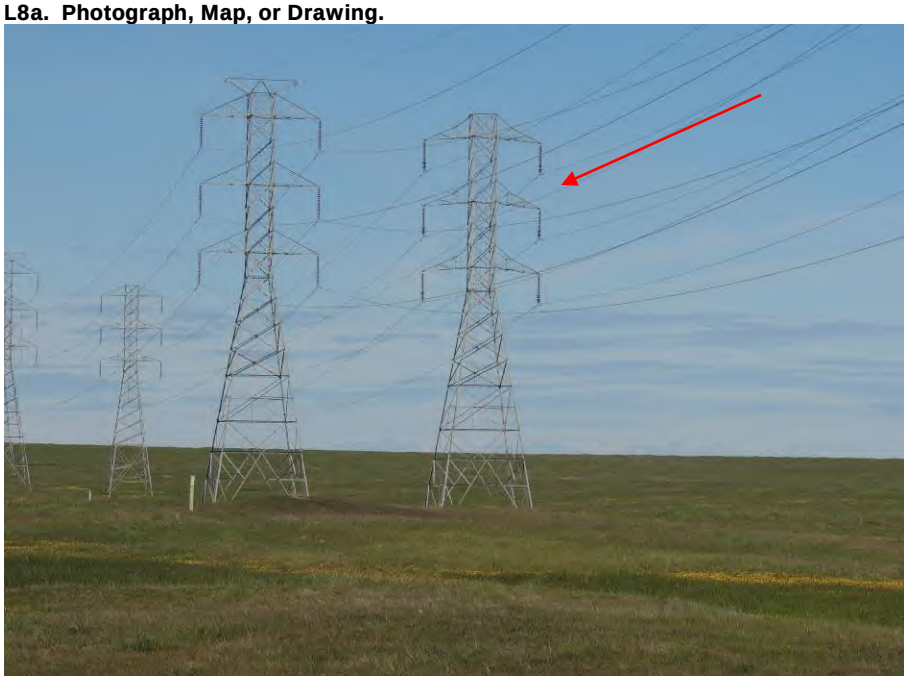
L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 30 feet
- **b. Bottom Width:** approximately 24 feet
- **c. Height or Depth:** 110 feet
- **d. Length of Segment:** n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by vacant land, with a riparian belt alongside a creek to the north and a paved road to the south.

L8a. Photograph, Map, or Drawing.



L7. Integrity Considerations: This tower has good integrity; some insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 12: Tower 100/822 of 230 kV Cottonwood-Delevan 2 circuit at right; camera facing north/northeast, March 8, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 8, 2017

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Page 14 **of** 75 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Delevan-Vaca No. 2 – 137/1065; 40746216 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 137/1065

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** DV2 – 137/1065

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 39.276414/-122.262279; UTM Zone 10 S. See **Site Maps** on Continuation Sheets.
This transmission tower is located in an agricultural field, roughly 87 yards north of Maxwell Sites Road, between Danley Road to the east and Mills Orchard Road to the west, on the western outskirts of the census-designated place of Maxwell in Colusa County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 137/1065 of circuit 230kV Delevan-Vaca No. 2, one of 861 **M-type** transmission towers in the Pit 1 to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the approximately 97-foot-tall, double-circuit, lattice steel suspension tower features an approximately 20-foot square base with all four sides of the tower body tapering toward the top. The approximately 42-foot-long and six-foot-wide top cage contains six, roughly five-foot-wide lattice steel cross arms that extend an estimated 11 feet from both sides and are spaced approximately 15 feet apart. Attached to the ends of the cross arms are six, 15-disc, modified Ohio Brass Co. OS string-type, ceramic suspension insulators with ball hooks, ball socket eyes, arcing horns, and suspension clamps. The insulators measure roughly 7.5 feet in length and 10 inches in diameter. The insulators were installed in 1922 and modified in 1956 when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each insulator supports a single line conductor. This double-circuit suspension tower is secured directly into four, approximately 8.5-foot-deep concrete stub footings, with no guy wires for support.

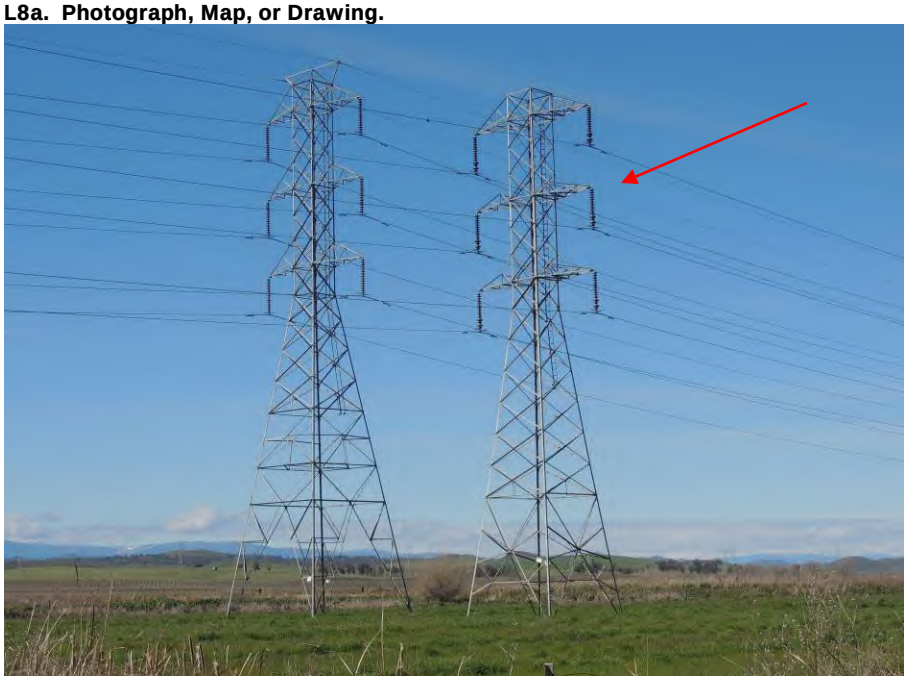
L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 28 feet
- **b. Bottom Width:** approximately 20 feet
- **c. Height or Depth:** approximately 97 feet
- **d. Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural fields, with a canal directly to the north and west and Maxwell Sites Road directly south.

L8a. Photograph, Map, or Drawing.



L7. Integrity Considerations: This tower has good integrity; some insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 13: Tower 137/1065 of circuit Delevan-Vaca 2 at right; camera facing northwest, March 8, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 8, 2017

***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Delevan-Vaca No. 2 – 141/1097; 40911306 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 141/1097

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** DV2 – 141/1097

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)

Lat./Long.: 39.207739/-122.261650; UTM Zone: 10S. See **Site Maps** on Continuation Sheets.
This transmission tower is located in an agricultural field, immediately north of Bagley Road, a little under a mile west of Danley Road, and about seven miles northwest of the city of Williams in Colusa County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)

This linear feature record describes tower 141/1097 of circuit 230 kV Delevan-Vaca No. 2, one of 27 **O-98-type** transmission towers in the Pit to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the approximately 98-foot-tall, double-circuit, lattice steel anchor tower features an approximately 20-foot square base with all four sides of the tower body tapering toward the top. The approximately 35-foot-long and six-foot-wide top cage contains six, roughly six-foot-wide lattice steel cross arms that extend an estimated 11 feet from both sides and are spaced approximately 15 feet apart. Attached to the ends of the cross arms are six, 15-disc replacement ceramic suspension insulators with ball hooks and suspension wire clamps. The insulators measure roughly 7.5 feet in length and 10 inches in diameter. These insulators were installed sometime between 1956 and 2017, replacing the earlier replacement insulators that were installed in 1956, which replaced the original 1922 models when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each insulator supports a single line conductor. This double-circuit anchor tower is secured directly into four, approximately 8.75-foot-deep concrete stub footings, with no guy wires for support.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 28 feet
- **b. Bottom Width:** approximately 20 feet
- **c. Height or Depth:** approximately 98 feet
- **d. Length of Segment:** n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**

n/a

L8a. Photograph, Map, or Drawing.



L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural land, with Bagley Road immediately south.

L7. Integrity Considerations: This tower has good integrity; insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 14: Tower 141/1097 of Delevan-Vaca 2 circuit at right; camera facing northwest, March 8, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 8, 2017

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Page 16 **of** 75 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Delevan-Vaca No. 2 – 174/1311; 40592037 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 174/1311

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** DV2 – 174/1311

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 38.772685/-122.009906; UTM Zone: 10 S. See **Site Maps** on Continuation Sheets.
This transmission tower is located in an agricultural field roughly 266 yards west of County Road 87, about 997 yards south of County Road 14, and around 5.5 miles northeast of the census-designated place of Esparto in Yolo County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 174/1311 of circuit 230 kV Delevan-Vaca No. 2, one of six **O-98-DE-type** transmission towers in the Pit 1 to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the approximately 98-foot-tall, double-circuit, lattice steel dead-end tower features an approximately 20-foot square base with all four sides of the tower body tapering toward the top. The approximately 35-foot-long and six-foot-wide top cage contains six, roughly six-foot-wide lattice steel cross arms that extend from both sides an estimated nine feet, reduced from 12 feet in 1956, and are spaced approximately 15 feet apart. Attached to the ends of the cross arms are 12, 15-disc, replacement ceramic dead-end insulators with tower fittings, ball socket eyes, arcing horns, and strain clamps. The insulators measure roughly 10.5 feet in length and 11 inches in diameter. The original, Ohio Brass Co. O-DE string-type insulators were installed in 1922 and replaced in 1956 when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each of the six conductors are anchored by two insulators. This double-circuit dead-end tower is secured directly into four, approximately 8.75-foot-deep concrete stub footings, with no guy wires for support.

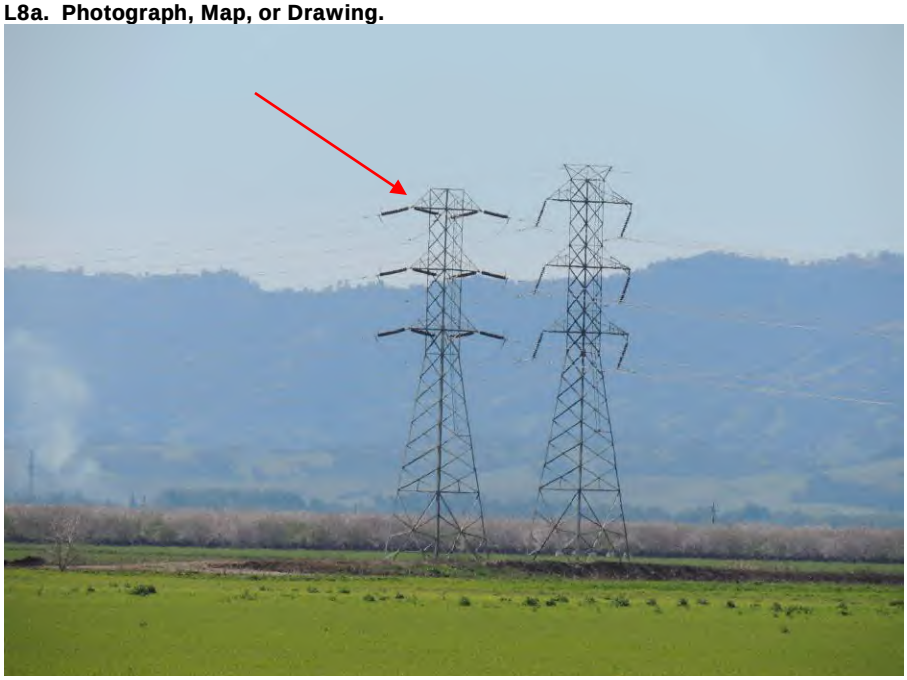
L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 24 feet
- **b. Bottom Width:** approximately 20 feet
- **c. Height or Depth:** approximately 98 feet
- **d. Length of Segment:** n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural fields, with a canal directly adjacent to the west and County Road 87 to the east.

L8a. Photograph, Map, or Drawing.



L7. Integrity Considerations: This tower has good integrity; insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 15: Tower 174/1311 of Delevan-Vaca 2 circuit at left; camera facing southwest, March 8, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 8, 2017

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DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Delevan-Vaca No. 2 – 180/1348; 40871596 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 180/1348

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** DV2 – 180/1348

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 38.705028/-121.955145; UTM Zone: 10 S. See **Site Maps** on Continuation Sheets.
This transmission tower is located in an agricultural field immediately east of the Interstate-505 freeway, about 183 yards north of West Canal, and less than two miles northeast of the census-designated place of Madison in Yolo County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 180/1348 of circuit 230 kV Delevan-Vaca No. 2, one of three **O-92-DE-type** transmission towers in the Pit 1-Vaca-Dixon Circuit No. 1 transmission route. Constructed in 1922, the approximately 92-foot-tall, double-circuit, lattice steel dead-end tower features an approximately 20-foot square base with all four sides of the tower body tapering toward the top. The approximately six-foot-wide and 35-foot-long top cage contains six, roughly six-foot-wide lattice steel cross arms that extend an estimated nine feet from both sides and are spaced approximately 15 feet apart. Attached to the ends of the cross arms are 12, 15-disc, modified Ohio Brass Co. O-DE string-type, ceramic dead-end insulators with tower fittings, ball socket eyes, arcing horns, and strain clamps. The insulators measure roughly 11 feet in length and 11 inches in diameter. The insulators were installed in 1922 and modified in 1956 when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each of the six conductors are anchored by two insulators. This double-circuit dead-end tower is secured directly into four, approximately 8.75-foot-deep concrete stub footings, with no guy wires for support.

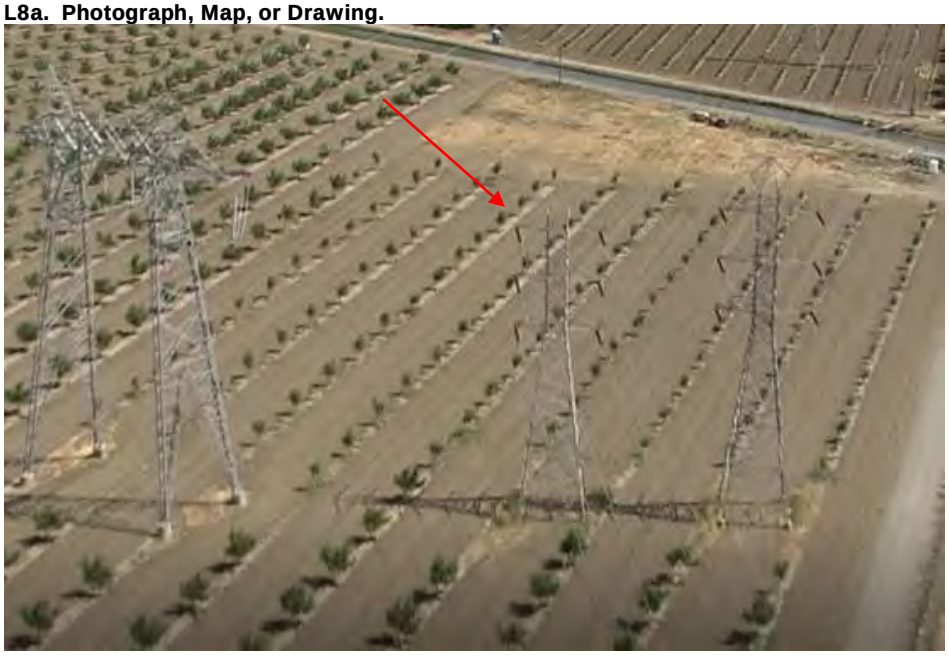
L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 24 feet
- **b. Bottom Width:** approximately 20 feet
- **c. Height or Depth:** approximately 92 feet
- **d. Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L5. Associated Resources:
Pit 1 Powerhouse, Vaca-Dixon Substation

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural fields, with the Interstate-505 freeway located directly adjacent west.

L8a. Photograph, Map, or Drawing.



L7. Integrity Considerations: This tower has good integrity; insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 16: Aerial view of tower 180/1348 of 230 kV Delevan-Vaca 2 circuit, tower in center foreground; camera facing southeast, ca. 2012-2013

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: c. 2013

***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Delevan-Vaca No. 2 – 184/1373; 40660344 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 184/1373

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** DV2 – 184/1373

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 38.651252/-121.941556; UTM Zone: 10 S. See **Site Maps** on Continuation Sheets.
This transmission tower is located in an agricultural field about 257 yards north of County Road 25, roughly 984 yards east of Interstate 505, and around two miles northeast of the unincorporated community of Citrona in Yolo County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 184/1373 of circuit 230 kV Delevan-Vaca No. 2, one of two **95'-STD-HI-TWR-type** transmission towers in the Pit 1 to Vaca-Dixon No. 1 transmission route. Constructed in 1922, the approximately 133-foot-tall, double-circuit, lattice steel anchor tower features an approximately 26-foot square base with all four sides of the tower body tapering toward the top. The approximately 46-foot-long and six-foot-wide top cage contains six, roughly six-foot-wide lattice steel cross arms that extend an estimated 10 feet from both sides and are spaced approximately 17 feet apart. Attached to the ends of the cross arms are six, 14-disc, modified Locke Corp. LA string-type, ceramic suspension insulators with eye hooks, clevis eyes, arcing horns, and suspension clamps. The insulators measure roughly 7.75 feet in length and 10 inches in diameter. The insulators were installed in 1922 and modified in 1956 when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. Each insulator supports a single line conductor. This double-circuit anchor tower is secured directly into four, approximately 15-foot-deep concrete stub footings, with no guy wires for support.

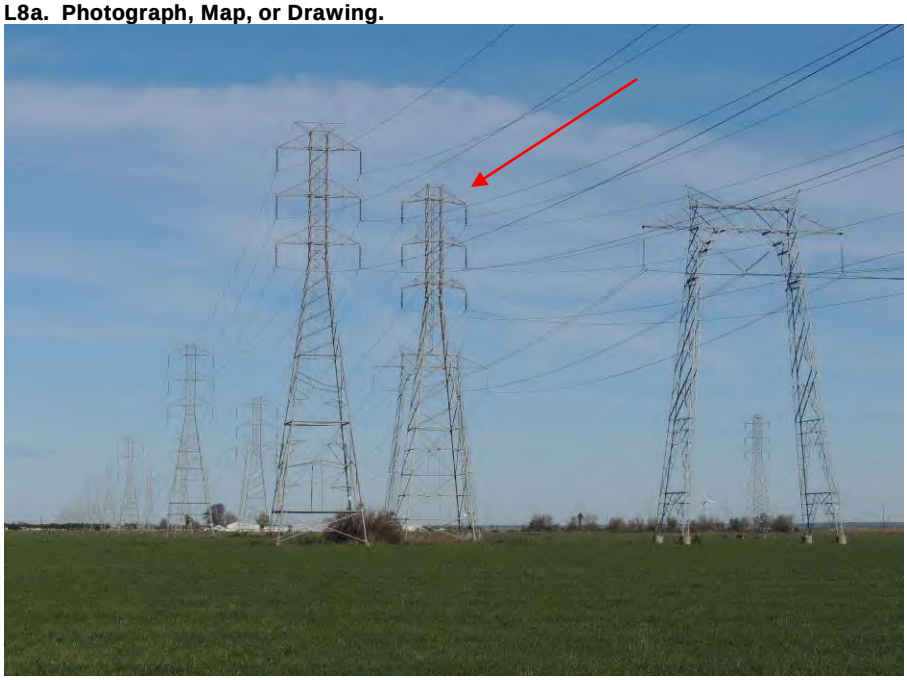
L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 26 feet
- **b. Bottom Width:** approximately 26 feet
- **c. Height or Depth:** approximately 133 feet
- **d. Length of Segment:** n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural fields, with rural dirt roads to the east and west and County Road 25 to the south.

L8a. Photograph, Map, or Drawing.



L7. Integrity Considerations: This tower has good integrity; insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 17: Tower 184/1373 of Delevan-Vaca 2 circuit at center; camera facing north, March 8, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 8, 2017

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or #** (Assigned by recorder) 230kV Pit to Vaca-Dixon No. 1 Transmission Line

L1. Historic and/or Common Name:
230kV Delevan-Vaca No. 2 – 191/1425; 40758989 (SAP_EQ_NBR); Pit-Vaca Dixon No. 1 – 191/1425

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation **Designation:** DV2 – 191/1425

***b. Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)
Lat./Long.: 38.541351/-121.923651; UTM Zone: 10 S. See **Site Maps** on Continuation Sheets.
This transmission tower is located in an agricultural field immediately south of Russell Boulevard, about 533 yards east of County Road 91A, and over one mile northeast of the unincorporated community of El Rio Villa in Yolo County.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
This linear feature record describes tower 191/1425 of circuit 230 kV Delevan-Vaca No. 2, one of four **O-98-SPEC.-type** transmission towers in the Pit to Vaca-Dixon No. 1 transmission route. Originally constructed as an anchor tower in 1922, the approximately 98-foot-tall, double-circuit, lattice steel dead-end tower features an approximately 20-foot square base with all four sides of the tower body tapering toward the top. The approximately 35-foot-long and six-foot-wide top cage contains six, roughly six-foot-wide lattice steel cross arms that extend from both sides an estimated nine feet, reduced from 12 feet in 1956, and are spaced approximately 15 feet apart. Attached to the ends of the cross arms are 12, 14-disc, replacement ceramic dead-end insulators with tower fittings, socket eyes, arcing horns, and strain clamps. The insulators measure roughly 11 feet in length and 11 inches in diameter. The original, Locke Corp. LA string-type insulators were installed in 1922. In 1956, the Pit-Vaca-Dixon Circuit No. 1 suspension insulators were modified and the Circuit No. 2 insulators were replaced with dead-end insulators when the original 500,000-centimeter, rope-lay copper conductors were replaced with 954-MCM, all-aluminum conductors. By 2007, dead-end insulators were installed on both circuits, with each of the six conductors anchored by two insulators. This converted double-circuit dead-end tower is secured directly into four, approximately 8.75-foot-deep concrete stub footings, with no guy wires for support.

L4. Dimensions: (in feet for historic features and meters for prehistoric features)
- **a. Top Width:** approximately 24 feet
- **b. Bottom Width:** approximately 20 feet
- **c. Height or Depth:** approximately 98 feet
- **d. Length of Segment:** n/a

L4e. Sketch of Cross-Section (include scale) **Facing:**
n/a

L5. Associated Resources:
Pit 1 Powerhouse and Vaca-Dixon Substation

L8a. Photograph, Map, or Drawing.



L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
This tower is surrounded by agricultural fields, with Russell Boulevard north adjacent.

L7. Integrity Considerations: This tower has good integrity; insulators have been replaced with insulators of the same materials as the original; conductors were replaced 1955-56.

L8b. Description of Photo, Map, or Drawing:
Photograph 18: Tower 191/1425 of Delevan – Vaca 2 circuit at center foreground; camera facing south, March 8, 2017.

L9. Remarks:

L10. Form prepared by: (Name, affiliation, address) H. Norby & S. Skow
JRP Historical Consulting, LLC
2850 Spafford Street
Davis, CA 95616

L11. Date: March 8, 2017

P3a. Description (continued):

Historically, Pit-Vaca-Dixon No. 1 was designed in two sections, a 60-mile mountain section above Cottonwood Substation in southern Shasta County, and a 142-mile section below Cottonwood Substation in the Sacramento Valley to the south. From Pit 1 Powerhouse to Cottonwood, the transmission line travels a 60-mile southwesterly route across densely forested mountain terrain, hilly ranchlands, and agricultural fields via an approximately 120-to-175-foot right-of-way carved through the landscape. In the mountain segment, Pit to Vaca-Dixon No. 1 shares a right-of-way with Pit to Vaca-Dixon No. 2, and along this span both circuits are carried on roughly parallel horizontal planes by single-circuit, lattice steel snow towers. Below Cottonwood, the two circuits are carried on a single row of double-circuit towers through the Sacramento Valley.

Pit to Vaca-Dixon No. 1's original steel snow towers, which are described in greater detail on the linear feature records, were constructed in the mountain segment in 1922-1923. Spaced on average every 500-to-575 feet in the high mountain section and up to 700 feet in the lower mountain section, these single-circuit snow towers include four different types with four different functions. Basic suspension snow towers (SA type) are A-frame, lattice steel towers designed to carry the weight of a single circuit (**Photographs 4** and **7**). They feature standard-strength suspension insulators, weigh roughly 5,100 pounds, and on average stand about 57 feet tall, but may extend up to around 90 feet. These towers are the most common type in this span (**Figures 1** and **2**). Anchor or "angle" snow towers (SC type) mirror SA-type towers in dimensions and design, but are constructed with heavier steel to weigh around 7,300 pounds (**Photograph 5**). This sturdier construction in conjunction with extra-strength anchor suspension insulators allow the towers to handle the increased conductor tension that occurs when the circuit changes course by a few degrees, or when it traverses a large span, such as when it crosses moderate-sized creeks or roadways (**Figures 3** and **2**). Dead-end snow towers (SC-DE type) are SC-type towers designed to handle even greater tension, a function realized by their extra-strength, dead-end insulators that are designed to handle substantial horizontal strain (**Photograph 3** and **Figure 2**). These tower types are employed along Pit-Vaca No. 1 for various functions: when the circuit changes direction by more than a few degrees; when the circuit must traverse an especially large span, such as between hillcrests or across rivers and freeways; or periodically along the transmission route to provide structural stability and to mitigate against circuit-wide collapse. The fourth original snow tower type is the single-circuit transposition tower (SA-TRANSP. type; **Photograph 6**). This tower type also features an A-frame, lattice steel body, but its top section repositions each of the three insulators in order to change the relative physical positioning of the line conductors that comprise the circuit. This transposition is necessary in order to maintain an equal distribution of current among the three conductors and to prohibit one conductor accruing a disproportionate amount of current. These tower types are outfitted with suspension insulators and are spaced in pairs approximately every six miles (**Figure 4**).

In addition to the original single-circuit snow towers constructed in 1922-1923 described above, Pit 1 to Vaca-Dixon No. 1 also features other towers and tower types introduced at later dates. Between 1942 and 1968, a number of slightly modified single-circuit snow-type towers were installed between the Pit 1 Powerhouse and the Cottonwood Substation (**Figure 5**). Among these additions were SCH-DE, SCHA, SCHA-DE, and SCHB types, which all feature designs and dimensions virtually identical to standard SC-type towers. Two sets of three, freestanding metal tubular poles (LDS-DE type) with guy wires for support were erected in 1999 in the Round Mountain-to-Cottonwood span (**Figure 6**). These dead-end towers each support a single pole-top post insulator at their peaks, which each carry single line conductors, and feature earth and crushed rock foundations.

Between the Pit 1 Powerhouse and Round Mountain, the circuit's three phase conductors span approximately 27.5 miles and are composed of 518,000-centimeter, steel-core aluminum. From Round Mountain to Cottonwood, roughly 32.5 miles, the conductors are made of 500,000-centimeter, rope-lay copper.

From Cottonwood Substation, Pit to Vaca-Dixon No. 1 travels roughly 83 miles due south to a point approximately six miles northwest of the city of Williams in Colusa County. In this span, the circuit shares an approximately 170-to-200-foot-wide right-of-way with two other single rows of double-circuit transmission towers as it traverses agricultural lands, county roads, and interstate freeways. From a point roughly three miles southwest of the city of Red Bluff in Tehama County, the easternmost row of double circuit towers breaks out of the right-of-way at a sharp southeast angle, reducing the right-of-way to two rows of transmission towers roughly 100 feet wide. From the point near Williams, Pit to Vaca-Dixon No. 1 changes

course about 30 degrees southeast and travels about 37 miles to a point adjacent to Interstate 505, approximately three miles northeast of the census-designated place of Esparto in Yolo County. From this point, a third transmission line joins the right-of-way, and Pit to Vaca-Dixon No. 1 and the adjacent circuits travel the remaining 22 miles to the Vaca-Dixon Substation in Solano County in a generally southerly route. Between Cottonwood and Vaca-Dixon, Pit to Vaca-Dixon Nos. 1 and 2 are both carried on double-circuit transmission towers.

Pit to Vaca-Dixon No. 1's original double-circuit towers, which are described in greater detail on the linear feature records, were constructed in the valley segment in 1922. Spaced on average every 800 feet, these double-circuit towers carry Pit to Vaca-Dixon Nos. 1 and 2 on two parallel vertical planes, with each conductor in the circuit spaced 15 feet apart on average. As with the single-circuit snow towers, the double-circuit transmission towers also feature different but similar tower types. The basic double-circuit suspension tower (M type) are lattice steel towers with pyramidal tower bodies and elongated top cages with six protruding cross arms designed to carry the weight of six conductors comprising two circuits (**Photograph 13**). These towers feature standard-strength suspension insulators, weigh around 8,440 pounds, and on average stand about 97 feet tall. These towers are the most common type in this span (**Figures 7 and 8**). Double-circuit anchor towers (O type) mirror M-type towers in design, but are constructed with heavier steel to weigh around 12,950 pounds (**Photographs 14-16** and **18**). As with single-circuit anchor towers, this sturdier construction with extra-strength anchor insulators allow O-type towers to handle increased conductor tension (**Figures 9** and **10**). The O-type series features subseries O-92- and O-98-type towers (whose numbers refer to variations in height), including both dead-end and "special" (extended) tower types. Dead-end towers feature extra-strength dead-end insulators (**Figure 11**). Other subseries include the "MG-X" (**Photograph 9**) and "O-GX" (**Photograph 8**) tower types, which employ the same basic double-circuit design but are constructed with enlarged top-cage and cross-arm dimensions (**Figure 12**). Additionally, standing on average roughly 105 feet tall, the G-type tower also mirrors the basic double-circuit transmission tower design with different dimensions (**Photograph 12** and **Figure 13**). The valley segment of Pit to Vaca-Dixon No. 1 also features special extended high towers, which average roughly 133 feet tall and are used for spanning freeways and other wide obstructions in the circuit's route (**Photographs 10** and **17** and **Figure 14**). Spaced approximately every six miles are double-circuit transposition (M-TRANSP. type) towers (**Photograph 11**). These tower types weigh over 17,000 pounds and feature two M-type towers conjoined by two horizontal lattice truss beams (**Figure 15**). As with single-circuit transposition towers, these double-circuit transposition towers variate the line conductors in order to avoid asymmetrical current build up.

From the Cottonwood Substation to the Vaca-Dixon Substation, Pit to Vaca-Dixon Circuit Nos. 1 and 2 consist of 954-MCM, all-aluminum conductors, which were installed in 1956 to replace the original 500,000-centimeter, rope-lay copper conductors.

See **Table 1** below for tabulation of original tower types that compose the Pit to Vaca-Dixon No. 1 Transmission Line.

Table 1: Original towers present in the Pit to Vaca-Dixon No. 1 Transmission Line today.

TOWER TYPE	QUANTITY IN LINE	YEAR BUILT	LINEAR FEATURE RECORD NO.	DRAWING NO.	PHOTO NO.
SA	454	1922	1) P3-CSS – 013/113; 2) RM-C3 – 056/512	41152-2 (Figures 1 and 2)	Photos 4 and 7
SC	64	1922	CSS-RM - 016/133	41143 (Figures 2 and 3)	Photo 5
O-98	27	1922	D-V2 – 141/1097	64297 (Figure 9)	Photo 14
SA-TRANSP.	16	1922	RM-C3 – 056/507	Figures 4 and 2	Photo 6
SC-DE	15	1922	P3-P1 – 000/003;	41143 (Figures 2 and 3)	Photo 3
M-TRANSP.	13	1922	C-D2 – 090/750	405000 (Figures 10 and 15)	Photo 11
85'STD-HI-TWR	8	1922	C-D2 – 068/601	34454 (Figures 10 and 14)	Photo 10
O-98-DE	6	1922	D-V2 – 174/1311	64297 (Figure 9)	Photo 15
O-98-SPEC	4	1922	D-V2 – 191/1425	64297 (Figure 9)	Photo 18
O-92-DE	3	1922	D-V2 – 180/1348	64297 (Figure 9)	Photo 16
OGX-DE	3	1922	C-D2 – 000/001	400837 (Figures 11 and 12)	Photo 8
95'STD-HI-TWR	2	1922	D-V2 – 184/1373	34454 (Figures 10 and 14)	Photo 17
G	1	1922	C-D2 – 100/822	309424 (Figures 8 and 13)	Photo 12
Terminal Structure	1	1922	P3-P1 – 000/000B	418493 (Figure 2)	Photo 2
M	861	1922 (854), 1950 (1), 1956 (5)	D-V2 – 137/1065	35367 (Figure 7)	Photo 13
MGX	9	1922 (2), 1946 (7)	C-D2 – 000/004	400837 (Figures 8	Photo 9

				and 12)	

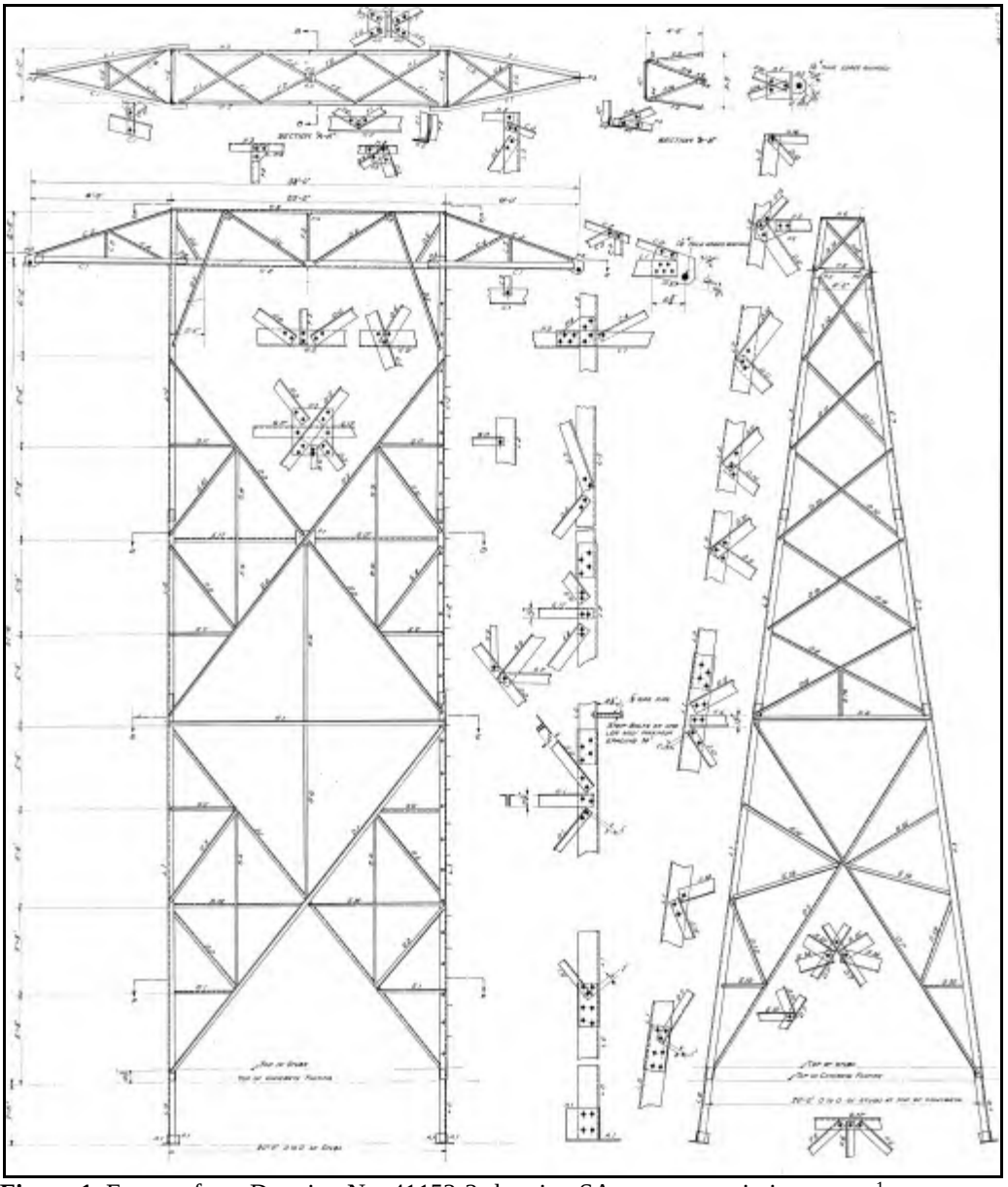


Figure 1. Excerpt from Drawing No. 41152-2 showing SA-type transmission tower.[1]

[1] PG&E, Drawing No. 41152-2, "Single Circuit Transmission Tower – Type SA, 220kV Pit River Transmission Line," June 11, 1921, Sheet No. 1 of 3.

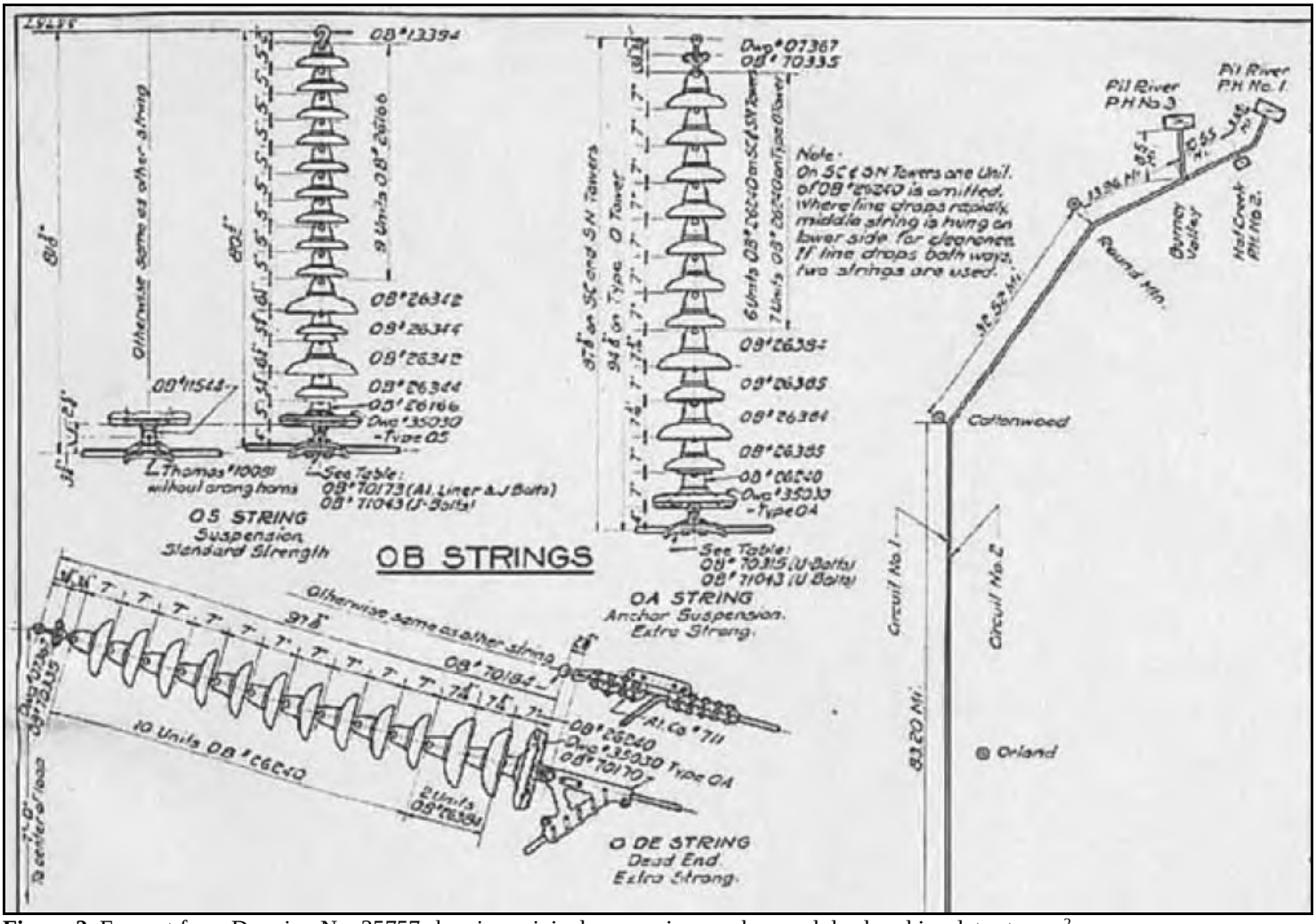


Figure 2. Excerpt from Drawing No. 35757 showing original suspension, anchor, and dead-end insulator types.[2]

[2] PG&E, Drawing No. 35757, "Insulators and Hardware – 220kV Pit River Transmission Line," ca. 1923.

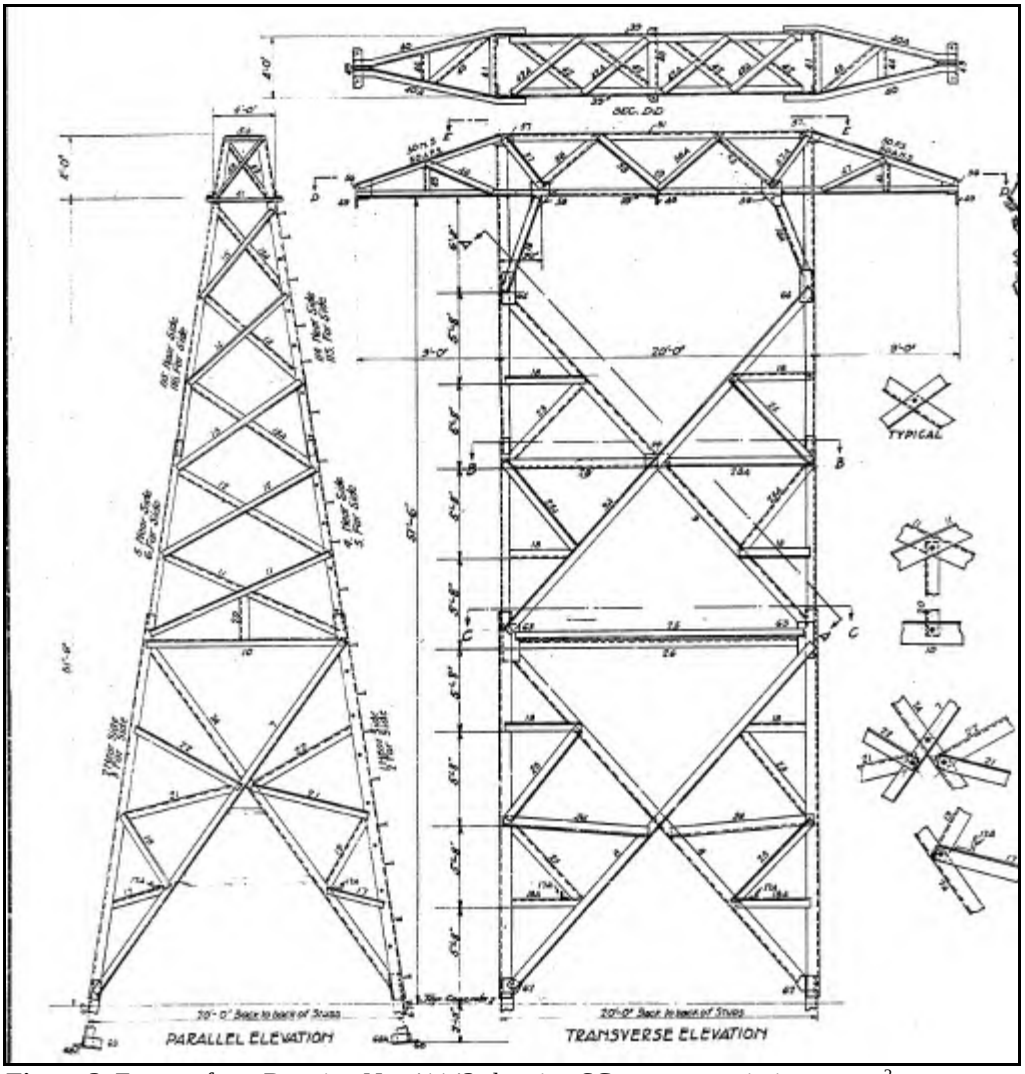


Figure 3. Excerpt from Drawing No. 41143 showing SC-type transmission tower.[3]

[3] PG&E, Drawing No. 41143, "Single Circuit Transmission Tower Type SC – 220kV Pit River Transmission Line," May 19, 1921, Sheet No. 1 of 3.

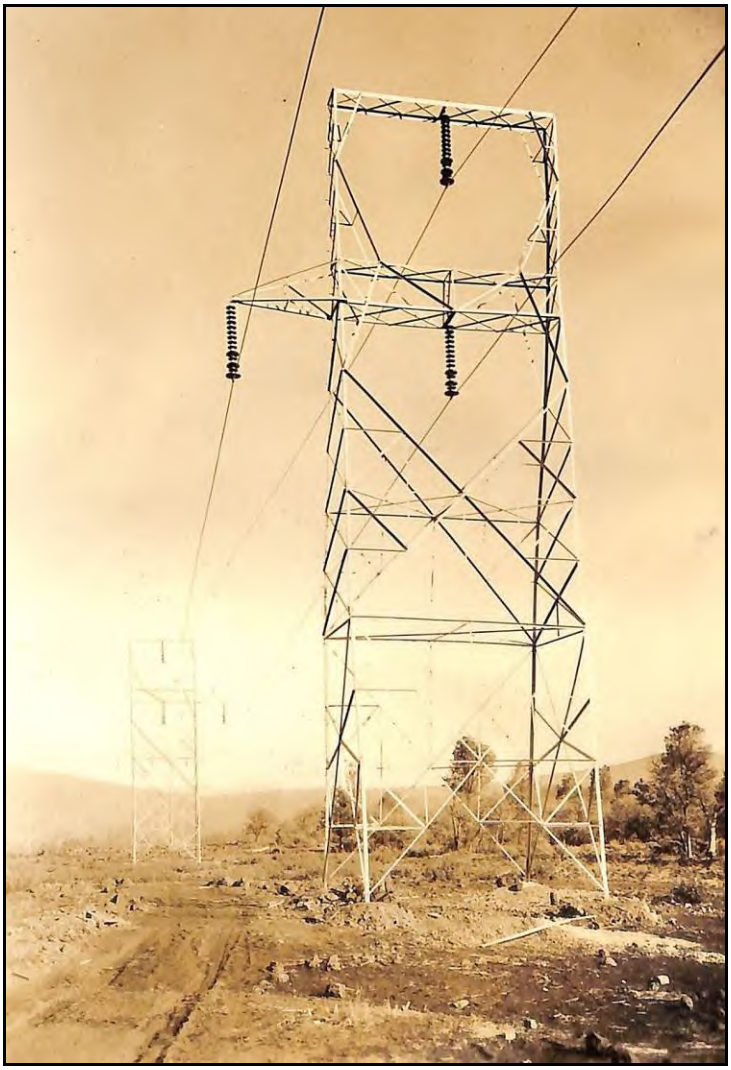


Figure 4. Pair of SA-TRANSP.-type towers between Pit 1 Powerhouse and Cottonwood Substation.[4]

[4] PG&E, "Mt. Shasta Photo Album – Mt. Shasta No. 73," November 24, 1922, Box No. W01473L, PG&E Records Center, Iron Mountain, Livermore, California.



Figure 5. Aerial view, SCH-DE-type Tower 27/221 of 230kV Round Mountain-Cottonwood #3 Circuit in center; camera facing north / northeast, March 11, 2013.



Figure 6. Aerial view, LDS-DE-type Tower 028/031 of 230kV Round Mountain-Cottonwood #3 circuit at left; camera facing north / northeast, March 11, 2013.

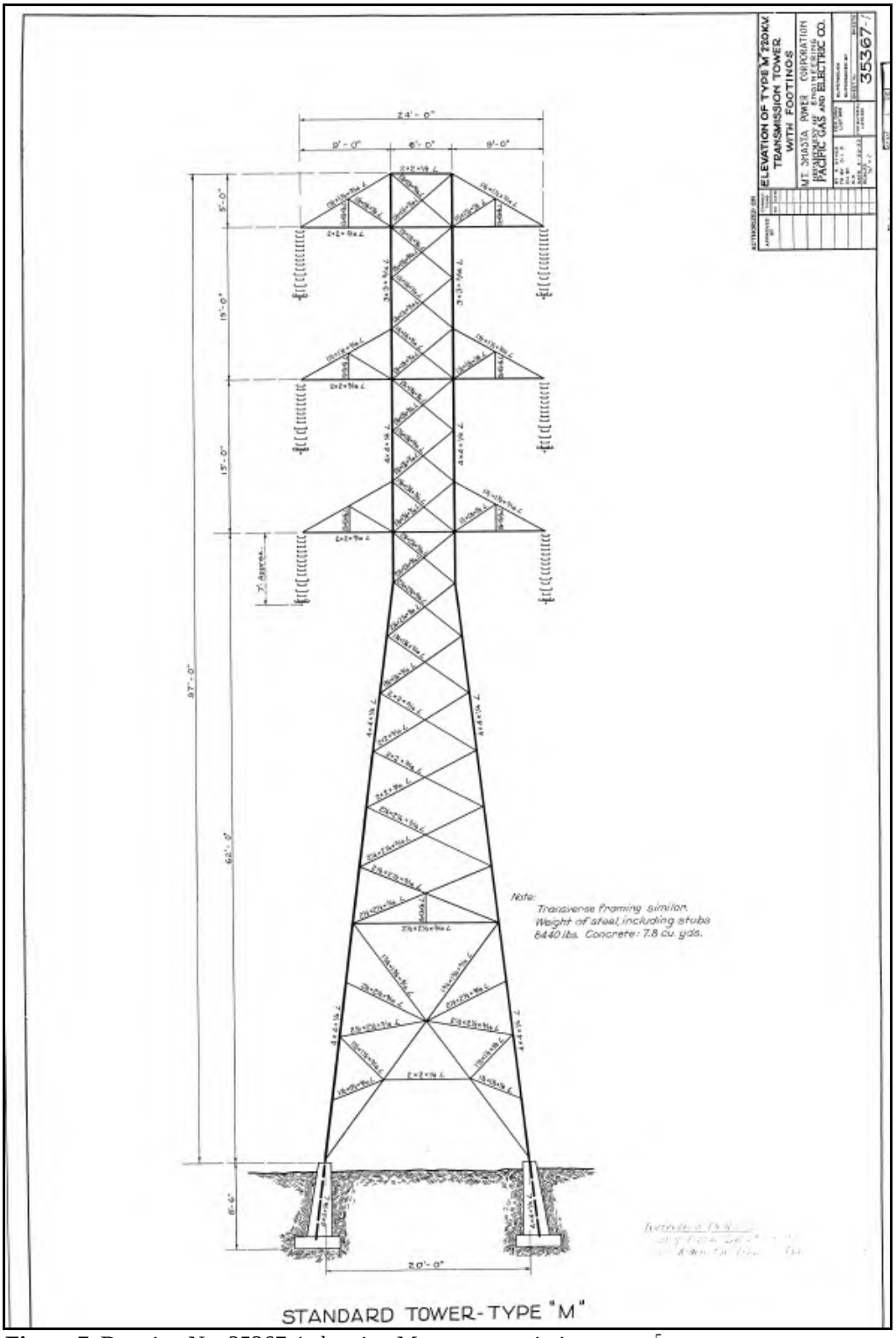


Figure 7. Drawing No. 35367-1 showing M-type transmission tower.[5]

[5] PG&E, Drawing No. 35367-1, "Elevation of Type "M" 220kV Transmission Tower with Footings," April 20, 1923.

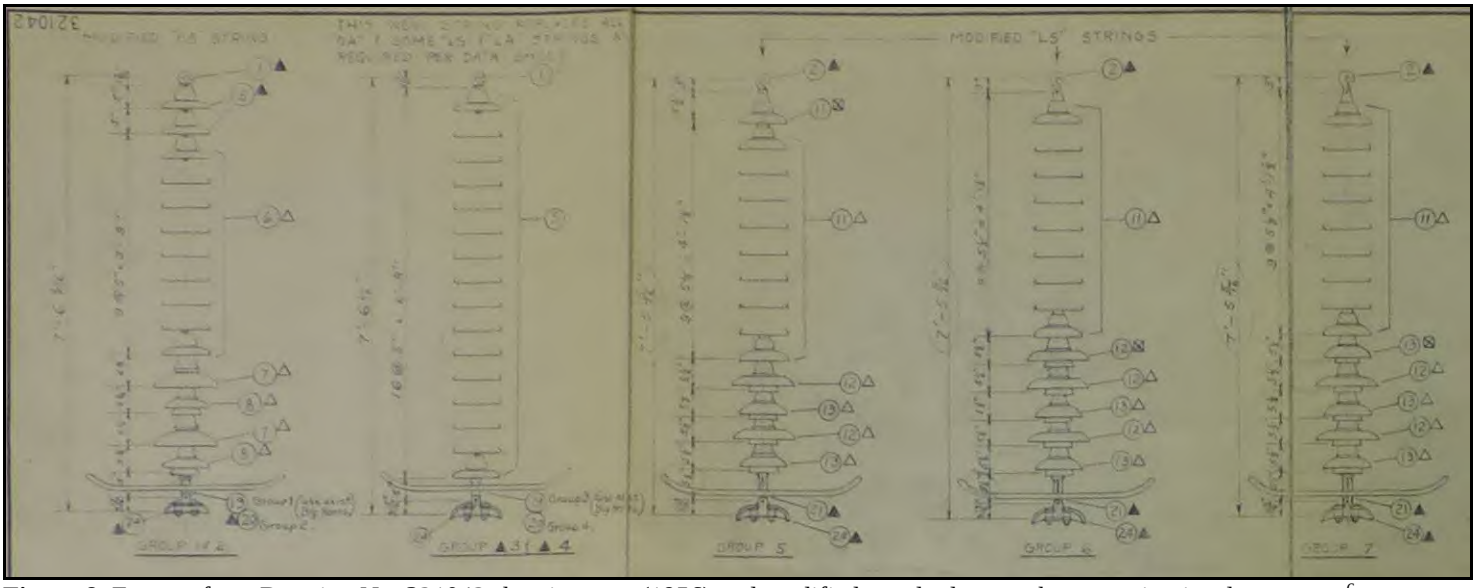


Figure 8. Excerpt from Drawing No. 321042 showing new (1956) and modified standard-strength suspension insulator types.[6]

[6] PG&E, Drawing No. 321042, "Insulator String Groups – Pit-Vaca Dixon Reconstruction 220kV Transmission Line," August 12, 1956.

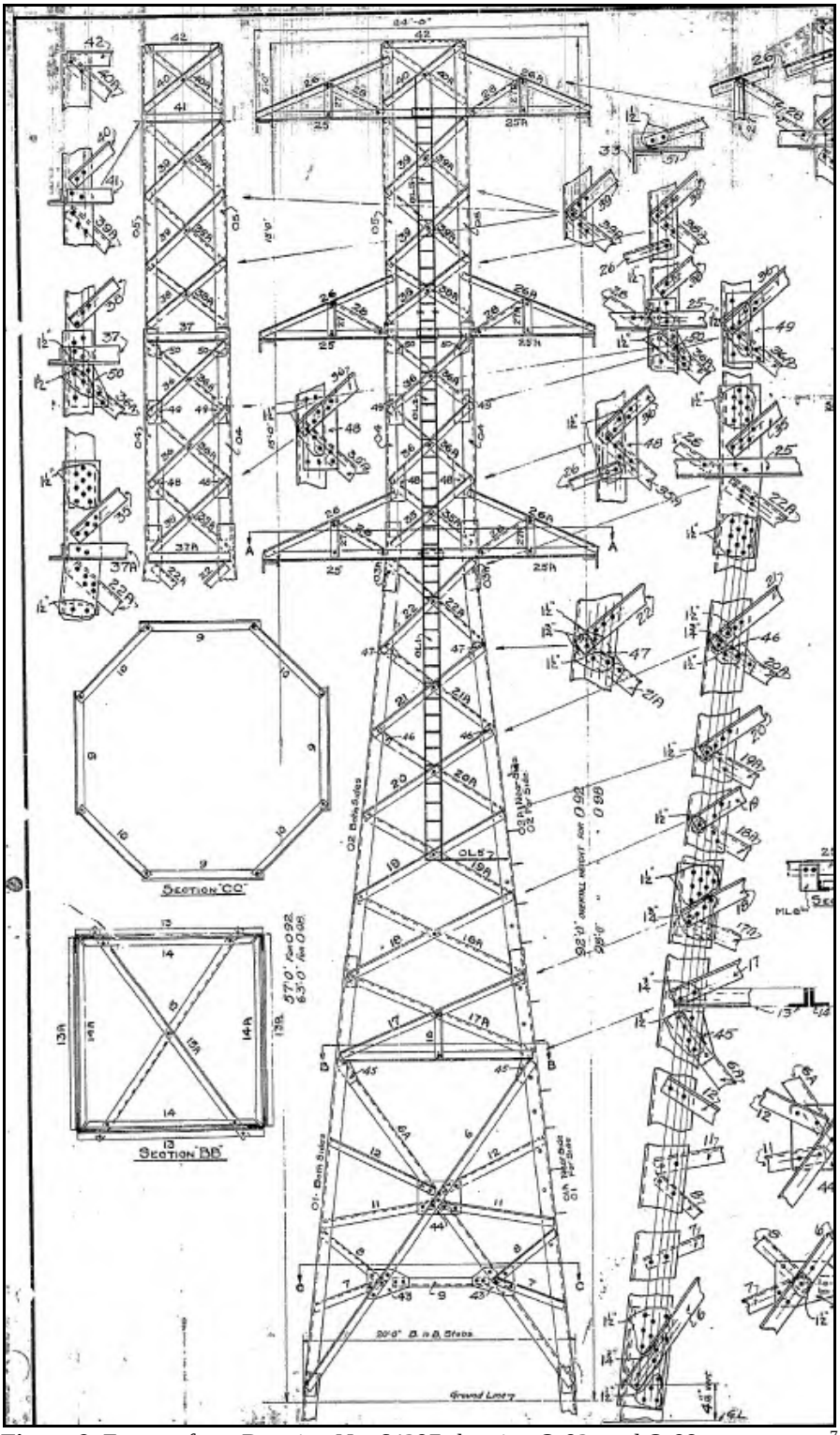


Figure 9. Excerpt from Drawing No. 64297 showing O-92- and O-98-type towers.[7]

[7] PG&E, Drawing No. 64297, "92'0-98'0 Type "O" Towers – 220kV Line," August 1920, Sheet No. 10 of 13.

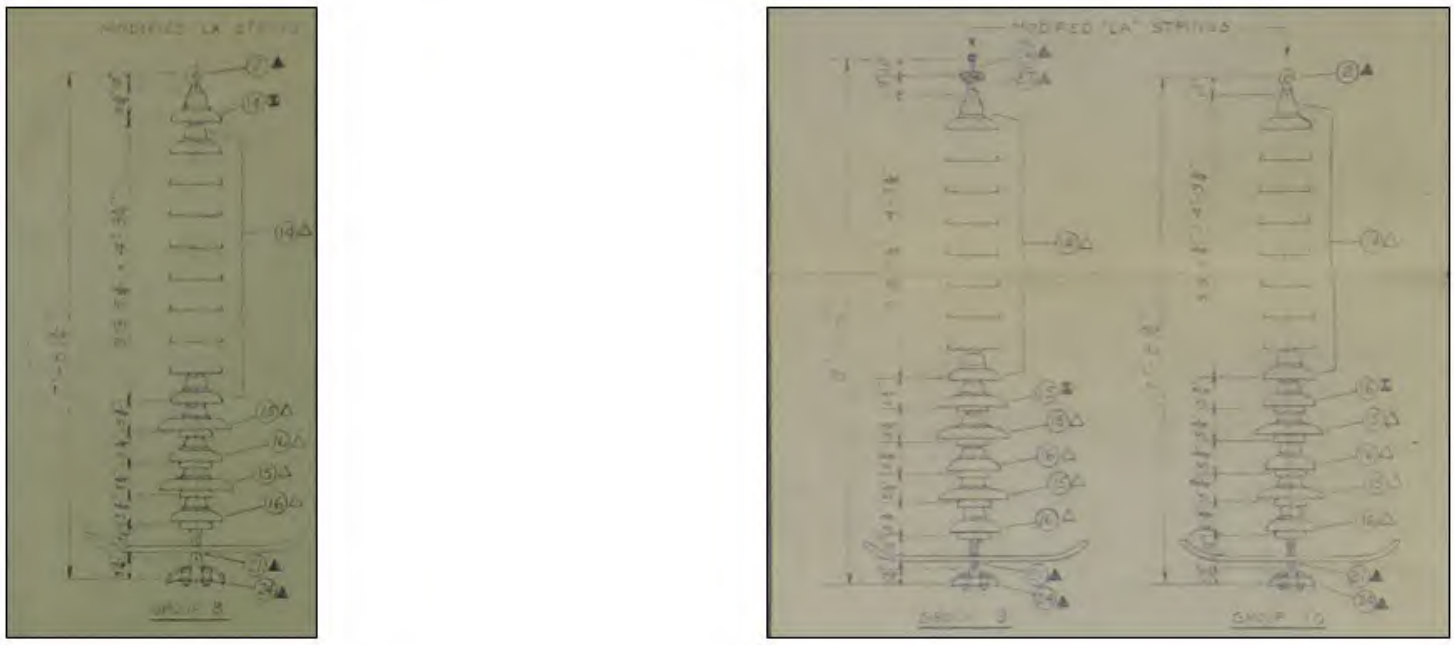


Figure 10. Excerpt from Drawing No. 321042 showing modified extra-strength anchor insulator types.[8]

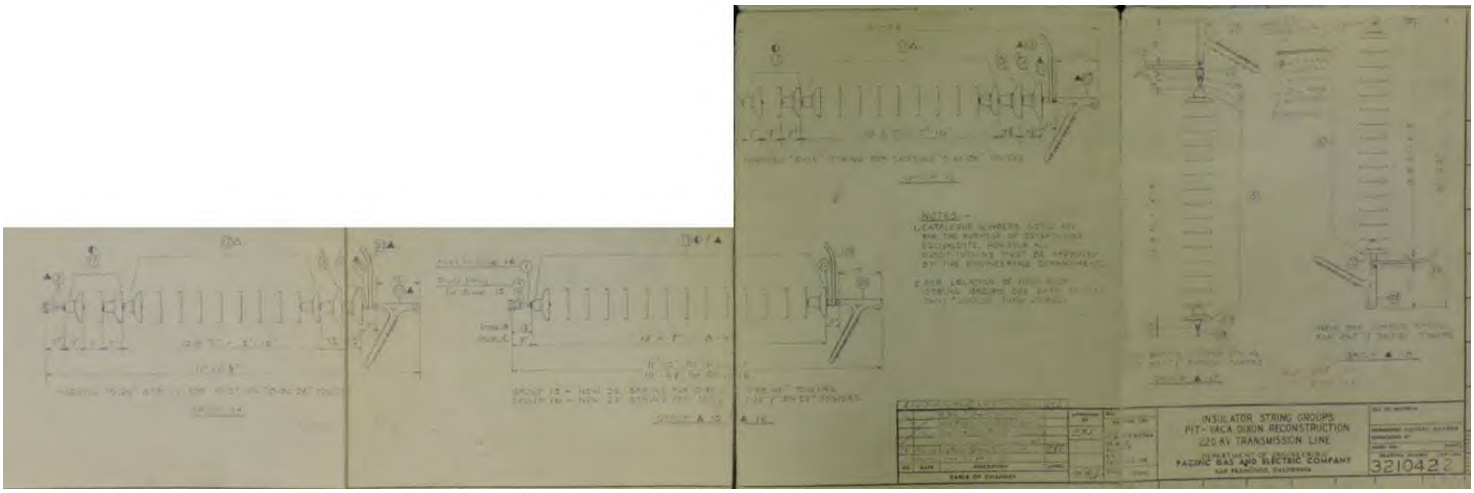


Figure 11. Excerpt from Drawing No. 321042 showing modified extra-strength dead-end insulator types.[9]

[8] PG&E, Drawing No. 321042, "Insulator String Groups – Pit-Vaca Dixon Reconstruction 220kV Transmission Line," August 12, 1956.
[9] PG&E, Drawing No. 321042, "Insulator String Groups – Pit-Vaca Dixon Reconstruction 220kV Transmission Line," August 12, 1956.

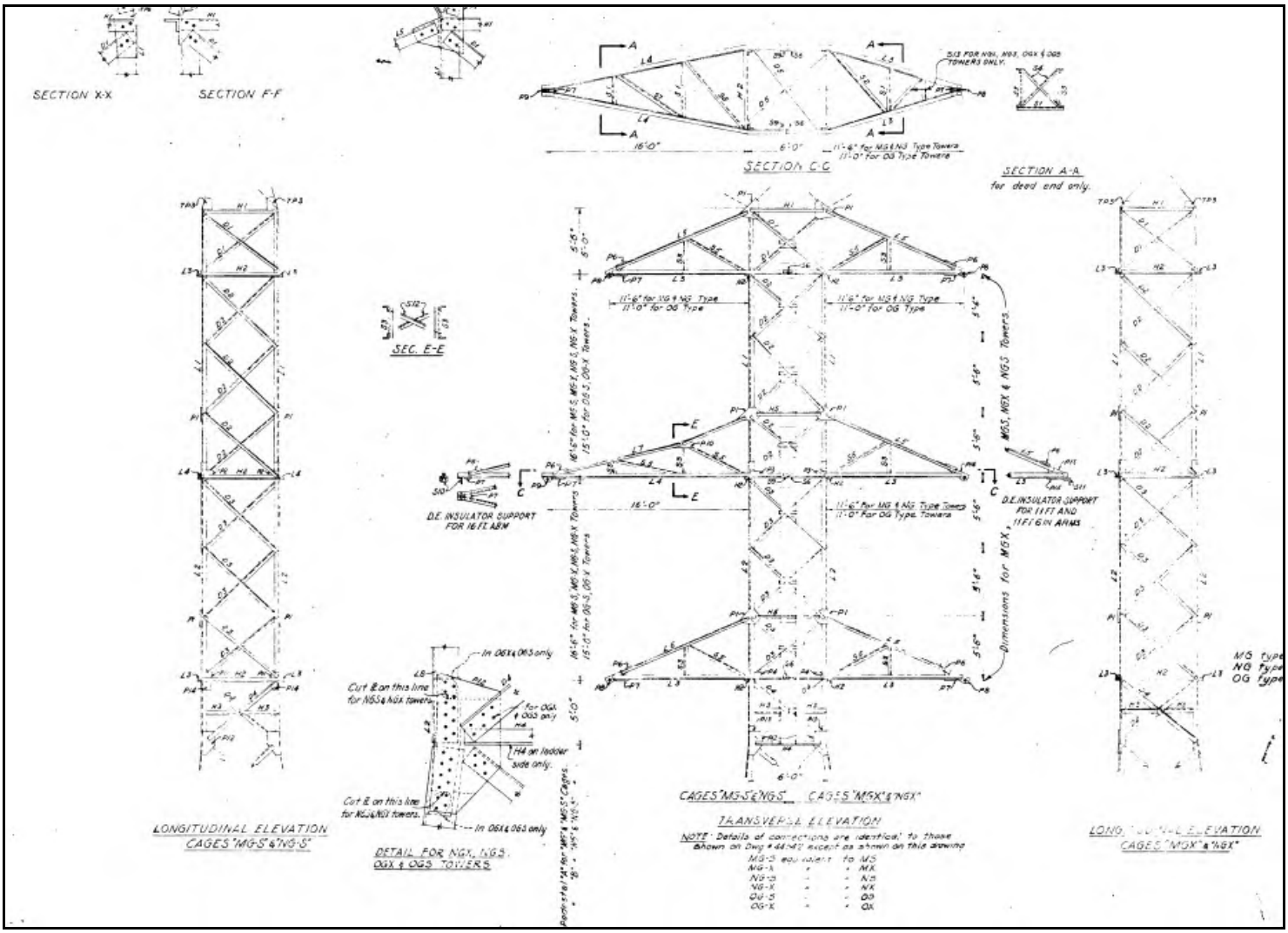


Figure 12. Excerpt from Drawing No. 400837 showing MG-X and OG-X top-cage elevations.[10]

[10] PG&E, Drawing No. 400837, "Cages for Types MG-X, NG-X, MG-S, NG-S, OG-X & OG-S – 220kV Double Circuit Towers," July 26, 1945.

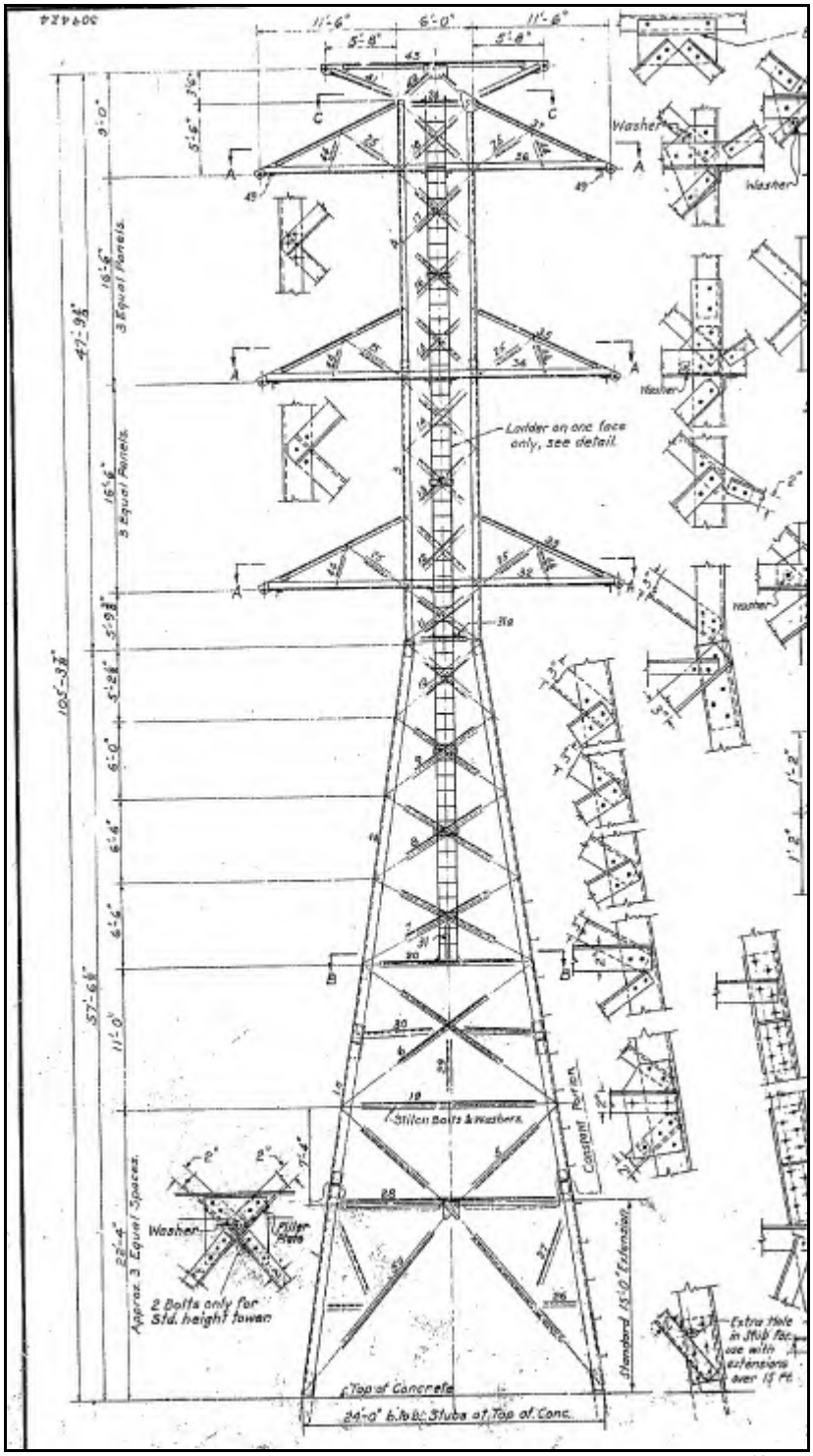


Figure 13. Excerpt from Drawing No. 309424 showing G-type towers.[11]

[11] PG&E, Drawing No. 309424, "Type 'G' Tower – 220kV Double Circuit," July 26, 1945.

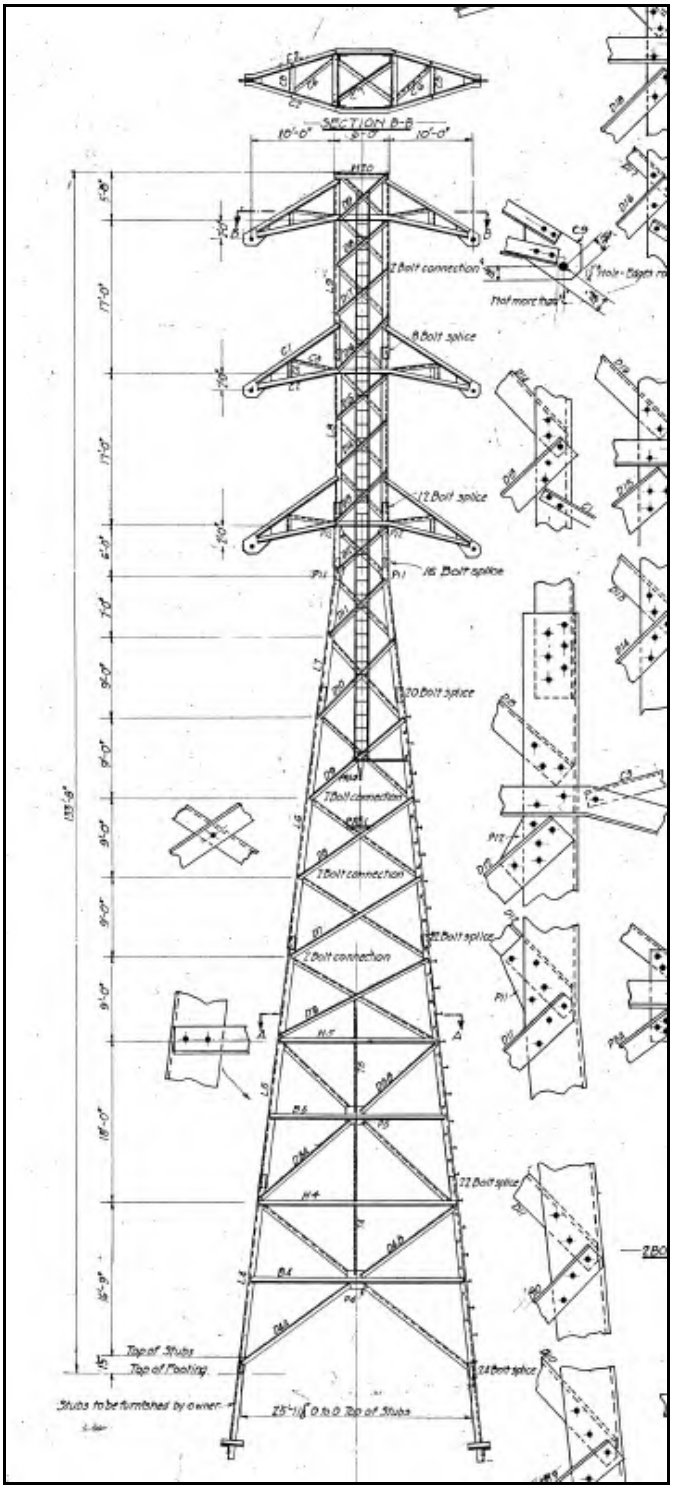


Figure 14. Excerpt from Drawing No. 34454-4 showing special High Tower.[12]

[12] PG&E, Drawing No. 34454-4, "Double Circuit Transmission Tower – 134 Foot Special – 220kV Pit River Transmission Line," August 12, 1921.

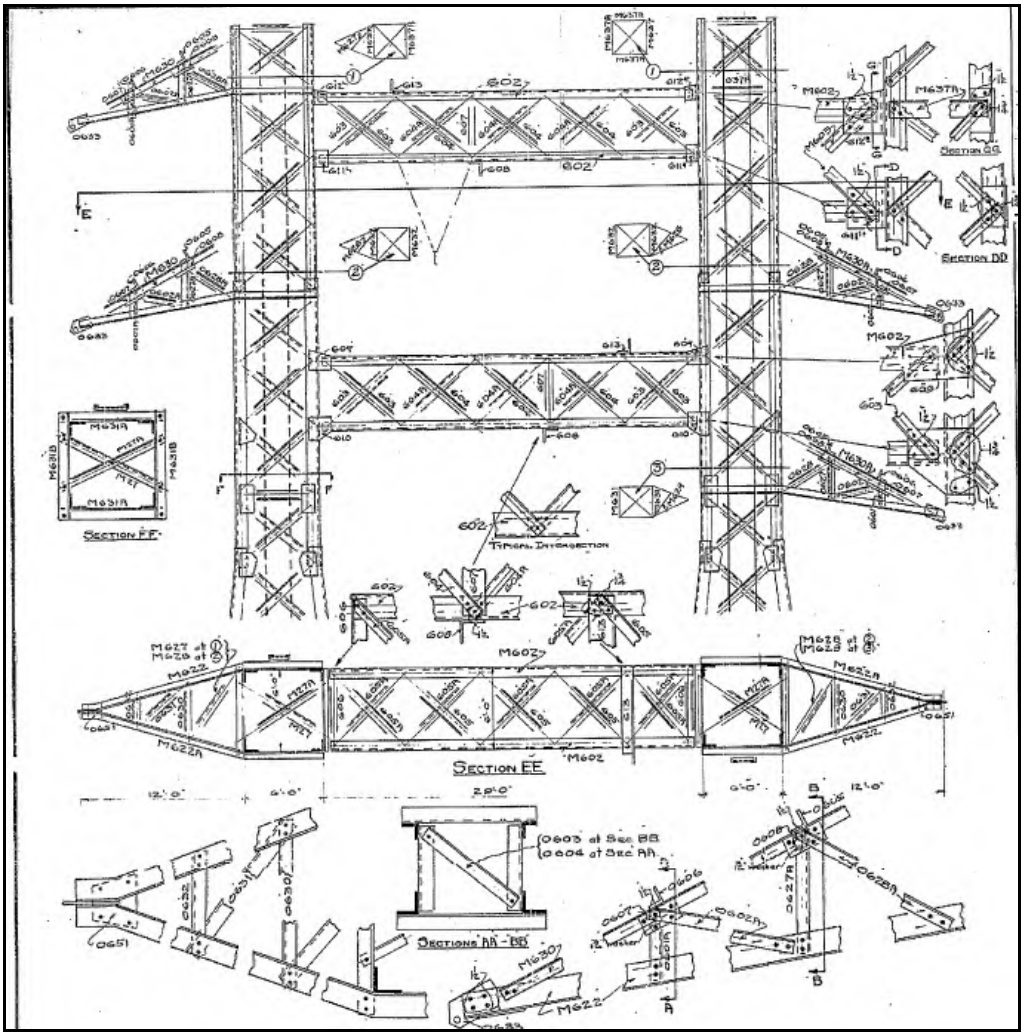


Figure 15. Excerpt from Drawing No. 64297 showing M-TRANSP.-type tower.[13]

B10. Significance (continued):

Transmission of Pit River Hydropower at 220 kV

Pacific Gas & Electric Company (PG&E) designed and built the 220 kV transmission line from Pit 1 Powerhouse to Vaca-Dixon Substation, over 200 miles distant, between 1920 and 1923 as part of the Pit 1 Powerhouse hydroelectric development. In 1925, the company continued developing the Pit River's hydropower potential and built Pit 3 Powerhouse (there is no Pit 2 development) and Pit 3 tap transmission line. The 220 kV Pit to Vaca Dixon No. 1 transmission line was the first transmission line in the world designed and built to transmit electricity for a long distance at such a high voltage. Hydropower development surged in northern and southern California in the 1920s as technological advances in transmission allowed more power to be delivered to distant population centers.

[13] PG&E, Drawing No. 64297, "Transposition Structure – 220kV Line," April 9, 1921.

With an eye for meeting its San Francisco Bay area consumers' increasing demands for electric power, Northern California Power Company, a predecessor company to PG&E, first took note of the Pit River's superb potential for hydropower development in the 1910s and began securing water rights and property along the river.[14] In 1919 and 1920 Frank G. Baum, a consulting engineer commissioned by the company, submitted reports to PG&E based upon more than ten years of field and reconnaissance work that outlined a comprehensive phased development of seven powerhouses on the Pit River, Fall River, and Hat Creek, and development of a high voltage transmission line. In a cover letter accompanying the reports Baum wrote,

> I feel certain no company in California and probably no company in this country is so favored with the conditions for its future power supply. Coupled with the unusual water supply, physical conditions are extremely favorable, and developments can be made in such steps as required, results being obtainable as developments proceed.. . .
>
> The fact that the Company, due to the war and other reasons, has not been able to make water power developments for some time, and the power load has in the meantime materially increased, brings a condition which now justifies the company in proceeding with these developments
>
> I feel certain the results of this power development will not only be of great value to the P.G.&E. Co., but also to the upbuilding of Central California, as power is a primary requirement for the industrial and agricultural development of California. [15]

Baum's 1920 report noted that several large springs in northeastern Shasta County that originated in underground lava beds primarily supplied the Pit River. Because the springs provided a constant flow of 2,500 cfs nearly year-round, and approximately 2,000 feet of drop was available for power generation, Baum figured that PG&E could reliably generate approximately 421,000 h.p. at seven plants. He laid out a plan whereby two plants would be erected on Hat Creek during the first year of development, one plant on Fall River during the second year, one plant on Pit River during the third year, two plants on Pit River during the fourth and fifth years, and one more plant during the sixth year.

By the mid to late 1910s transmission of the available generating capacity of PG&E's hydroelectric power plants had become a limiting factor in meeting the growing demand for power in the San Francisco Bay Area. In his introduction to a November 1919 report on the implementation of transmission at 220 kV, Baum cited to a 1915 company report that had noted:

> In the past ten years there has been practically no *transmission* [emphasis added] capacity added, with the exception of the Drum-Cordelia line, and no capacity into San Francisco has been added….The need of the system now is for more transmission line capacity to make our installed capacities available for best regular operation and for emergencies in San Francisco and the South end of the bay.[16]

Until PG&E began construction of the 110 kV Drum-Cordelia transmission line in 1913, their transmission system consisted of lines operating at voltages varying from 5.5 kV to 60 kV inherited from Bay Counties Power Company, and the Standard Electric Company, the first companies to bring power from the Sierra Nevada to San Francisco. After consolidation, PG&E took steps to bring the standard for all main transmission lines to a uniform 60 kV, however some of the mountain lines still operated at 18 kV and 30 kV. When the company began construction the 110 kV Drum-Cordelia line in 1913, they reorganized the transmission system to radiate from the receiving station at Cordelia and connect with many of the older lines. In 1915, PG&E constructed a line running southwesterly from Cordelia to the north shore of the Golden Gate with two submarine cables connecting power lines to San Francisco. When Baum approached the company's transmission

[14] Northern California Power Company, Consolidated, "Annual Report to Stockholders," November 22, 1911.
[15] Correspondence from Frank G. Baum to PG&E, February 14, 1920, Frank Baum Collection, PG&E Archives, 77 Beale Street, San Francisco, CA; Frank G. Baum to J. A. Britton, vice-president and general manager, PG&E, January 9, 1920 and March 1, 1920, Box 064988, Baum Correspondence, 1909-1922, PG&E Record Center, Iron Mountain.
[16] Frank G. Baum, "Report on Pacific Gas & Electric Company Transmission Changes, and Report on Pacific Gas & Electric Company 200 Mile, 220,000 Volt, 300,000 K.W. Transmission Line," San Francisco, November 10, 1919, Frank Baum Collection, PG&E Archives, 77 Beale Street, San Francisco, CA, pg. 1.

system in 1919, he noted that the company's transmission problem had always largely been one of getting power to the south end of the system, i.e. the southern end of the San Francisco Bay Area. At the time, the first lines from the Halsey and Wise plants on the Yuba-Bear River System to Newark had recently begun operating at 60 kV, with plans to install a second circuit, and step up delivery from the deSabla, Centerville, and northern California lines. The effect of these plans to supply the South Bay would sheer off power from the northern end of the system. Baum proposed that these losses could be replaced by generation from the developments on the Pit River that would be transmitted to the Bay Area at 220 kV.[17]

In 1919-1920 when PG&E was planning the expansion of their power system, Southern California Edison (SCE) held the record for greatest voltage delivered over the longest distance. The company's Big Creek lines, constructed in 1913, delivered power at 150 kV for a distance of 240 miles from the generating plants in the Sierra Nevada to the Los Angeles Basin. Power companies had an acute interest in delivering at high voltages because of the economy it offered to deliver greater amounts of power over a single circuit.[18]

Because of the natural conditions present for development of hydropower in mountains distant from its coastal urban population centers, California was the leader in the of development of high-voltage, long-distance transmission lines. In 1919, at the convention of the American Institute of Electrical Engineers (AIEE), engineer A.E. Silver presented some of the reasons why 220 kV transmission was a logical and feasible commercial proposition. They included that the voltage is not beyond investigated fields and should be readily designed for commercial success, and that it is in accordance with the established practice of standardization in multiples of 11,000 volts.[19]

As a consulting engineer in San Francisco Baum was well-positioned to be on the forefront of the development of long-distance, high-voltage transmission. Educated in the public schools of San Francisco, Baum entered Leland Stanford, Jr. University in 1894, where he studied under Frederic A. C. Perrine, the institution's first electrical engineering professor. Unhampered by any existing program, Perrine shaped his own course including shop and practical work along with physical and mathematical electrical theory, "with its application to engineering always in mind." During the latter part of his time at Stanford, Perrine held the position of chief electrical engineer of the Standard Electric Company of California, a predecessor to Pacific Gas & Electric Company. His work with Standard Electric included the electrical design of the first great long-distance 60 kV transmission plant, a milestone in electrical transmission that earned him a gold medal at the Paris Exposition in 1900.[20]

After his matriculation from Stanford University in 1898 as one of its early electrical engineering graduates, Frank Baum quickly became a driving force in the development of electrical systems that brought electricity to a wider range of consumers. Steeped in Progressive Era ideals of perfecting society through human intervention, he wrote that:

> Some time in the future a nation's civilization will be measured largely in terms of kilowatt-hours consumed per human being per year, because as the kilowatt-hours consumed are large so the non-productive inefficient labor will be small. Therefore, a nation having large natural water powers need never fear decay.[21]

Working under Perrine in his first electrical engineering job with Standard Electric Company of California, Baum established line-charging currents and their reaction for three-phase transmission. This work was integral to the adoption and standardization of 60 cycle frequencies. Baum followed in the footsteps of his mentor Perrine. From 1900 to 1902 Baum taught electrical engineering at Stanford University while also doing work for Bay Counties Power Company, and afterward became an electrical engineer at California Gas & Electric Corporation (predecessor company to PG&E). At the latter firm, for three and a half years he was Transmission Engineer and Superintendent, in-charge of hydraulic and electrical

[17] Frederick Hall Fowler, Department of the Interior, United States Geological Survey, Water Supply Paper 493, "Hydroelectric Power Systems of California and Their Extensions Into Oregon and Nevada," (Washington: Government Printing Office, 1923), 269-275; Baum, "Report on PG&E Transmission Changes," 1-2.
[18] Robert Wilhelm Ahlquist, "Transmission of Electrical Energy at 220,000 volts" (Bachelors Thesis, School of Mines, 1924), 2.
[19] Ahlquist, "Transmission of Electrical Energy at 220,000 volts," 2, 9.
[20] "Frederic A. C. Perrine, A.M.D.Sc.," *Journal of Electricity, Power and Gas,* Vol. 21, No. 18 (October 31, 1908), 286;
[21] "Frank G. Baum," *Electrical World* 80, no. 15 (1922): 752.

engineering, as well as the design, installation, and operation of numerous electrical generating plants and substations. In 1907 he resigned his position at California Gas & Electric and established an independent consulting engineering firm, F. G. Baum & Company, specializing in hydro-electric power plants and long distance transmission systems. Simultaneously, he held a commission as Chief Engineer for PG&E in charge of hydro-electric development. He was in charge, for example, of PG&E's Lake Spaulding and Yuba-Bear River Development, which included construction of a 305 foot-high concrete arch dam, boring a mile-long tunnel through solid rock, excavating eight miles of canal, building a hydroelectric power plant, and erecting the 110 mile-long transmission line connecting the Yuba-Bear plants to the Bay Area power markets. As a consulting engineer, he designed and directed some of the most important power developments on the Pacific Coast, as well as being in-charge of the construction of power plants in Peru and Alaska.[22]

Baum not only designed hydropower systems, but invented, and secured patents to many of his innovations. He developed a practical form of the high-tension oil switches used by PG&E and many other companies, invented the outdoor high-tension switch widely utilized in western transmission systems, was responsible for the first high-head turbine installed at Centerville which was the forerunner to all high head turbines. He was also a prolific contributor to technical journals of electrical engineering. A 1922 tribute to his vision featured in *Electrical World* credited him with the conception of and engineering outline for the Hat Creek and Pit River developments, including the Pit to Vaca-Dixon No. 1 220 kV transmission line and Vaca-Dixon substation. In 1921 AIEE awarded Baum its yearly prize for the best article on electrical transmission for his paper published in the organization's August 1921 issue entitled, "Voltage Regulation and Insulation of a Large-Power, Long-Distance Transmission System."[23] Over the course of his career, he garnered national recognition for his pioneering achievements in hydropower generation and transmission systems and was certainly a master engineer in his field.

Baum's August 1921 AIEE paper proposed 220kV as the national standard voltage for large transmission systems, and compared the concept to the railroads adopting a standard gauge. Much like the railroads were creating a national transportation network, Baum's work argued for the interconnection of electrical transmission networks. At the time of that writing he believed that 220 kV was the highest practical voltage for standardized transmission because of the amounts of power available at various locations coupled with the value of standardization. He previously believed higher voltages could be attained but by 1921 arrived at the conclusion that nothing over 220 kV would be able widely enough applicable to achieve the goal of standardization.[24]

When Baum submitted his report to PG&E in November 1919 on 220 kV transmission at a distance greater than 200 miles between Pit 1 Powerhouse and Vaca Dixon Substation, he laid out the basic elements of the system, and identified the problems that would need to be addressed to successfully execute the line. In summary, the report outlined the fundamental features of a standardized power transmission network. The transmission voltage, Baum wrote, should be 220,000 volts at the generating station, and 200,000 at the receiver with the lines operating with these terminal voltages held fairly constant by the use of synchronous condensers at the receiving end; the line capacity with two circuits would be over 300,000 h.p. and in emergency, one circuit would have capacity over 200,000 h.p.; the towers of the line should be for two circuits of about 25,000 pounds of copper per mile, with towers spaced 800 feet and 96.5 feet in height; a right-of-way 100 feet wide should be purchased (he described most of the land that the transmission line would traverse as "poor" and therefore easily and inexpensively obtainable); and insulation of the line designed to screen the line from corona discharge and its resultant energy losses.[25]

Describing the adoption of 220 kV in the March 1922 issue of PG&E's publication *Pacific Service Magazine*, J.P. Jollyman, PG&E's Chief of the Division of Hydroelectric and Transmission Engineering, wrote that 220 kV is "accomplished not by a radical departure from present established practices for lower voltages, but by an extension of these practices." In other

[22] Doris Estcourt, "Stanford Vision in the Electric Power Industry," *The Stanford Illustrated Review*, 22:2 (November 1920), 58-59.
[23] "Frank G. Baum," *Electrical World* 80, no. 15 (1922): 752; . "Personal," *The Electrical Age* 38, January 1907, 60; "Frank George Baum," *Press Reference Library: Notables of the West*, Vol. 1 (New York: International News Service, 1913), 512.
[24] Frank G. Baum, *Journal of the American Institute of Electrical Engineers* XL, no. 8 (1921): 643-644.
[25] Baum, "Report on PG&E Transmission Changes," 3-5.

words, existing systems and methods could be feasibly and economically upgraded. Specifically, he noted that 220 kV transmission systems used oil circuit breakers similar in appearance to those used for lower voltages, but much larger and more expensive, and steel towers that resembled the structure of towers used in 110 kV lines, but larger and more widely spaced to carry larger conductors with longer insulators.[26]

At the same time that Jollyman's article was published, Baum, as a consulting engineer, was embroiled in a dispute with PG&E regarding the use of innovations for which he had filed patent applications. Specifically, Baum had filed patent applications for insulators for high-voltage conductors, and voltage regulation of high-voltage lines through the use of synchronous condensers, both of which PG&E was in the process of executing on the Pit to Vaca-Dixon No. 1 transmission line. Jollyman's somewhat dismissive characterization of the design of 220 kV transmission lines as simply an extension of well-established practices may have been politically motivated by the dispute with Baum over rights to his patents.[27] In any case, the design and construction of the Pit to Vaca-Dixon No. 1 220 kV line made a splash in the trade journals of the early 1920s where many feature articles followed the progress of the line, or focused specifically on a particular engineering aspect. While Baum and Jollyman both authored some of these articles, many others appear to have been presented by editorial staff, and focused on the ground-breaking nature of the transmission distance at 220 kV, with special emphasis on the engineering of the insulators, and the design and installation of the high-tension switches in the yard at Pit 1 Powerhouse and Vaca-Dixon Substation.

Baum and the PG&E engineering department designed the 202-mile-long 220 kV transmission line from Pit 1 Powerhouse to Vaca-Dixon Substation to carry two circuits (Pit to Vaca-Dixon No. 1 and Pit to Vaca-Dixon No. 2) composed of three conductors each. In the mountain section each circuit was carried on its own set of towers sited parallel to one another, and below Cottonwood, a single line of towers carried the six conductors of both circuits. Mountain towers and valley towers consisted primarily of two standard types, "SA" also known as snow towers in the mountain section, and "M" on the valley floor. These two types were the standard tower type for each section, with variant towers installed throughout where dead end towers were required, or other unique situations like crossings that dictated a modified design. Transposition towers were spaced at intervals approximately every six miles to allow for the interchange of conductor positions without the need for dead ends.[28]

Baum directed all engineering and construction of the Pit 1 unit when construction began in spring 1920. In order to expedite the delivery of power into the company's system, transmission construction began with the segment of circuit #2 between Hat Creek Powerhouse No. 2 and Cottonwood Substation. Hat Creek Powerhouse No. 2 is sited on the alignment of the double-circuit transmission line between Pit 1 Powerhouse and Cottonwood. A delay in steel shipment caused the company to hastily erect circuit #2 between Hat Creek Powerhouse No. 2 and Cottonwood on H-frame Cedar poles, with the available steel reserved for angle points and dead end towers. The company spaced the wood poles according the requirements for 220 kV transmission and installed high voltage insulators to allow the circuit to operate at 220 kV (**Figures 16** and **17**).[29]

[26] J.P. Jollyman, "Transmission of Hydro-Electric Energy at 220,000 Volts," *Pacific Service Magazine* XIII, no. 10 (1922): 304.
[27] Correspondence from A.H. Markwart, Director of Engineering, PG&E to Wm. B. Bosley, Attorney re General Data – Insulators – F.G. Baum Patents, January 7, 1922; Correspondence from A.H. Markwart to John A. Britton, First Vice President and General Manager, PG&E re Insulator Patents F.G. Baum, May 2, 1922, Box O64988, PG&E Records Center, Iron Mountain, Livermore, California.
[28] E. H. Steele, "Building the World's Highest Voltage Transmission Line," *Pacific Service Magazine* XIV, no. 4 (1922): 101-108.
[29] PG&E, "Physical Notes, General Remarks, GMC 10252," undated - circa 1926, Box 265704H, PG&E Records Center, Iron Mountain, Livermore, California.



Figure 16: Cedar pole tower line segment of Pit to Vaca – Dixon No. 2 line, circa 1921.

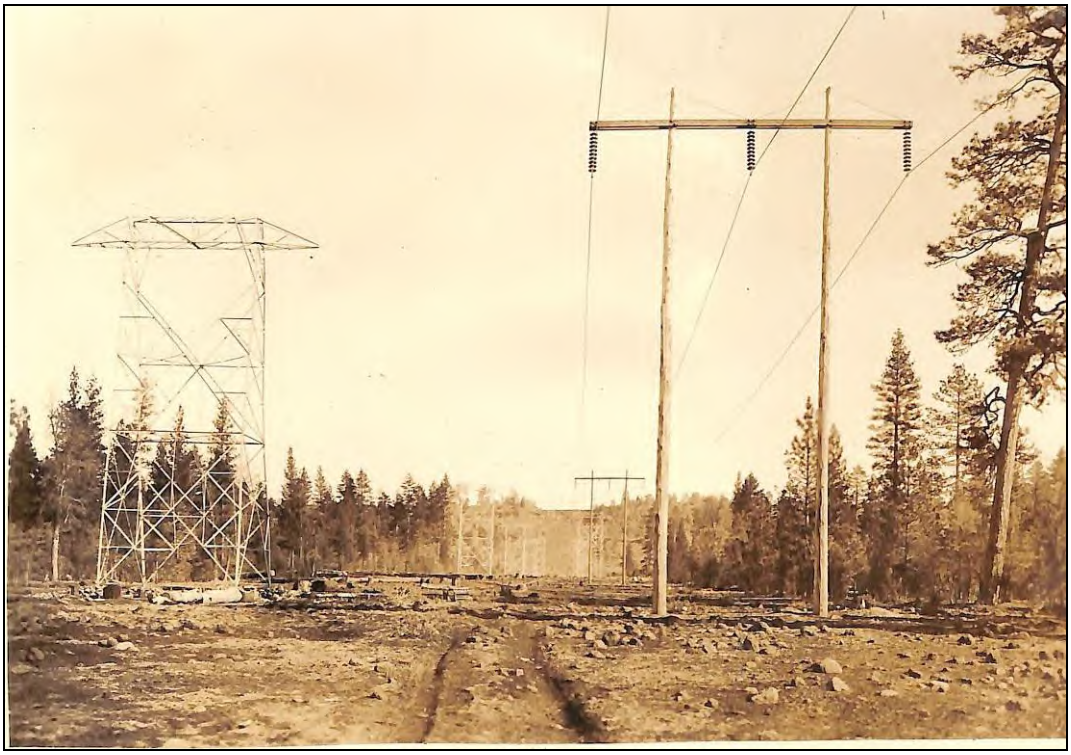


Figure 17: Circuit No. 1 at left, circuit No. 2 at right, approximately two miles below Hat Creek 2, November 24, 1922.

Surveys for construction of the 202-mile-long transmission line from Pit 1 Powerhouse to Vaca-Dixon began in the mountains in spring 1920. The mountain section was heavily timbered and the first work to begin in summer 1920 was clearing a right-of-way for a width of 120 to 175 feet. Mount Shasta Power Corporation, subsidiary to PG&E, contracted the work for the mountain section between Cottonwood and Round Mountain to R.E. Starkweather of San Francisco. By fall 1920 the construction and engineering departments were reorganized and the line division of the general construction department took over all work. At the time of the reorganization, it had become clear that Starkweather could not complete the contract and the power company finished the remainder of the contract. PG&E completed the wood tower line between Hat Creek #2 and Cottonwood in August 1921 and began delivering electricity at 60 kV from the two Hat Creek power plants. [30]

Construction of the Pit 1 to Vaca-Dixon No. 1 circuit began simultaneously with construction of Pit 1 Powerhouse, and also included the segment of the #2 circuit between Hat Creek 2 and Pit 1 (**Figures 18** and **19**). Baum designed the standard "SA" type steel towers, commonly referred to as snow towers, that constituted the majority of the circuit. Standard tower spacing in the mountain section was 500 feet, with modifications where needed to accommodate topography, turns, or crossings. The standard steel "SA" towers were 55 feet in height and weighed 5,100 pounds. A heavier version of the tower known as type "SC" weighed 7,270 pounds and was used for dead ends, angle points, and longer spans between towers.[31] PG&E completed and began operating Circuit No. 1 in fall 1923.

[30] PG&E, "Physical Notes, General Remarks, GMC 10252," undated - circa 1926, Box 265704H, PG&E Records Center, Iron Mountain, Livermore, California.

[31] Contract with R. E. Starkweather, G.M. C-10252, July 23, 1920, PG&E Records Center, Iron Mountain, Livermore, California; E. H. Steele, "Building the World's Highest Voltage Transmission Line," 101-108.



Figure 18: Pair of snow towers above Hat Creek 2, near Pit 1 Powerhouse, October 24, 1922.

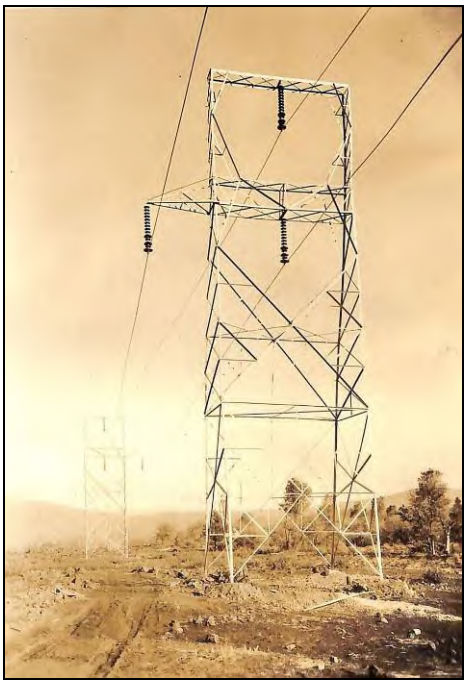


Figure 19: Transposition type snow towers in mountain section, November 24, 1922.

Construction of the valley section of the Pit to Vaca-Dixon No. 1 transmission line began in spring 1921. This segment consisted of a single line of steel towers carrying two circuits in a vertical plane, spaced every 800 feet. Standard "M" type towers weighed 8,440 pounds (**Figure 20**). Anchor towers, known as type "O" were placed approximately every six miles and also used at angles or other critical points. Transposition towers to interchange the position of the conductors also punctuated the valley line approximately every six miles (**Figure 21**).[32]

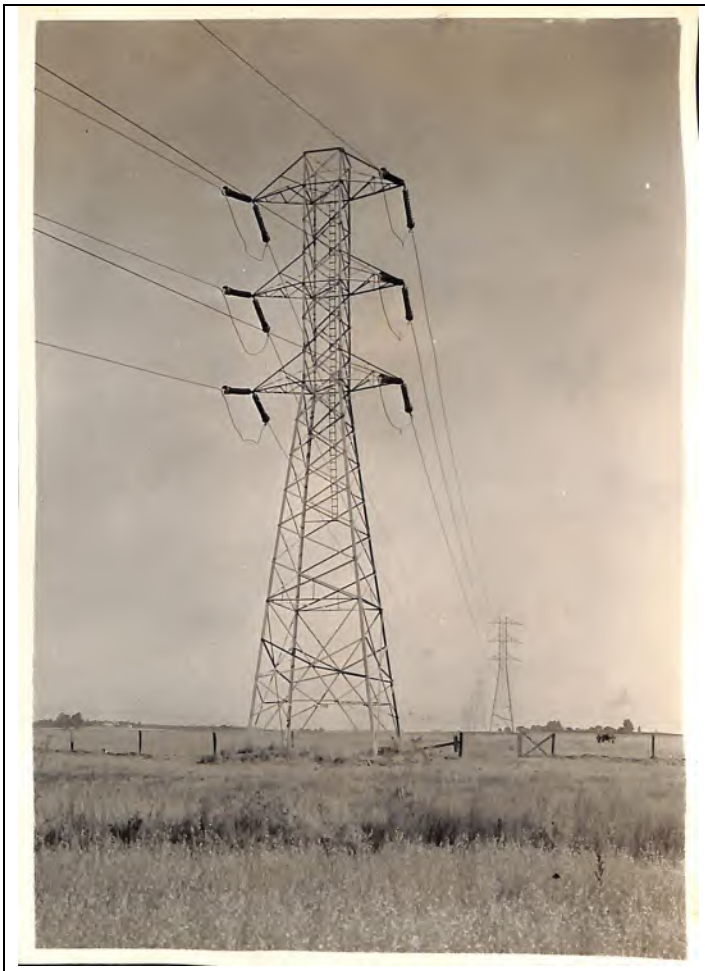


Figure 20: Valley segment of Pit to Vaca-Dixon No. 1 and No. 2 circuits. Tower in foreground is standard type "O" with dead end insulators. First tower in background appears to be standard type "M" with suspension insulators.

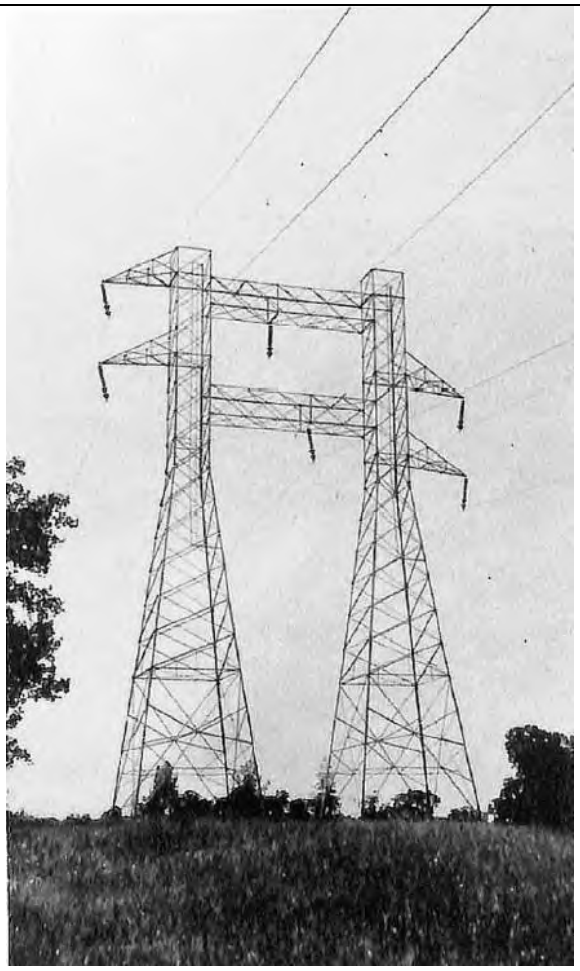


Figure 21: Double-circuit transposition tower in valley section. Undated photograph circa 1922.

In the original construction of the mountain and valley sections of the Pit to Vaca Dixon No.1 transmission line, 15 specialized towers were used that deviated from the standard "SA," "SC," "O," "M," and transposition tower types. These specialized towers were used where towers had to be spaced more widely apart than average, topography dictated usual angles or spans, and at other crossings.[33]

[32] E. H. Steele, "Building the World's Highest Voltage Transmission Line," 101-108.
[33] E. H. Steele, "Building the World's Highest Voltage Transmission Line," 101-108.

Insulators throughout the transmission line were suspension type composed of 14 units. From the top – or from the tower support – the ceramic insulator units consisted of nine standard 10-inch discs, followed by two 13 ½ and 11-inch special units alternated, and the fourteenth disc was a special 10-inch disc encased in copper and known as a corona shield. Each of the standard suspension strings was 77 inches in length, and weighed 180 pounds. Dead end strings were longer and heavier. Insulator arrangement was identical in the valley and mountain sections. Baum filed patent for the corona shield units on December 3, 1921 and the Ohio Brass, and Locke Insulator companies fabricated them.[34]

Baum incorporated both "engineering theory" and "concrete working experience" into his calculations on how to design the transmission line and he frequently observed that local conditions were important factors to consider in engineering of long-distance power lines in the varied landscapes encountered in California. The conducting cables of the line, for example, were divided in character between the upper 25 miles of the mountain section and the remainder of the "valley line" down to Vaca-Dixon Substation. The upper 25 miles, located in snow country at or above 3,000 feet above sea level, required the maximum diameter for carrying capacity. Conductors of this 25-mile segment were made of 518,000 circular mill steel-core aluminum. The remainder of the conductors were made of 500,000 circular mill copper. On the valley floor, stringing the conductors required a crew of approximately 65 people to string one to one and a half miles per day.

As prescribed by Baum, two 20,000 kva synchronous condensers at Vaca-Dixon Substation regulated the power coming down from the Pit River system, and seven transformers (six operated at one time, and the seventh served as a spare) stepped the voltage down from 220 kV to 110 kV for delivery to the distributing substations of PG&E's service areas.[35]

PG&E used over 650 crewmen over the course of constructing the 220 kV Pit to Vaca-Dixon No. 1 and No. 2 transmission lines, built over 50 miles of private roads and trails, and moved an immense quantity of material, including water to batch concrete for tower foundations. Materials alone required the use of 1,225 freight car loads.

The Pit 1 development went on line on September 30, 1922 with well-attended ceremonies at both Pit 1 Powerhouse and Vaca-Dixon Substation (**Figures 22** and **23**). Over 700 people gathered at Pit 1 Powerhouse, and between 5,000 and 6,000 gathered at Vaca-Dixon Substation to celebrate the achievement. *Pacific Service Magazine* proclaimed "Saturday, September 30, 1922 stands upon every calendar in north-central California as a day that marks the passing for all time of fear of power shortage in that section of our golden state."[36] Other rapturous accounts of the success of the project delivered at the opening ceremonies came from the John R. Freeman, president of the American Society of Civil Engineers, Robert Newton Lynch, manager of the San Francisco Chamber of Commerce, and David P. Barrow, president of the University of California.[37]

[34] US Patent 1,768,948 issued to F.G. Baum Jul. 1, 1930, filed Dec. 3, 1921, "High Voltage Insulator"; Correspondence from A.H. Markwart to John A. Britton, First Vice President and General Manager, PG&E re Insulator Patents F.G. Baum, May 2, 1922, Box O64988, PG&E Records Center, Iron Mountain, Livermore, California; E.. H. Steele, "Building the World's Highest Voltage Transmission Line," 101-108.

[35] "Pit River Development," *Pacific Service Magazine* (April 1923): 345.

[36] Frederick S. Myrtle, "Power from the Pit River Received Into the 'Pacific Service' System," *Pacific Service Magazine* XIV, no. 5 (1922): 134.

[37] Myrtle, "Power from the Pit River," 141.

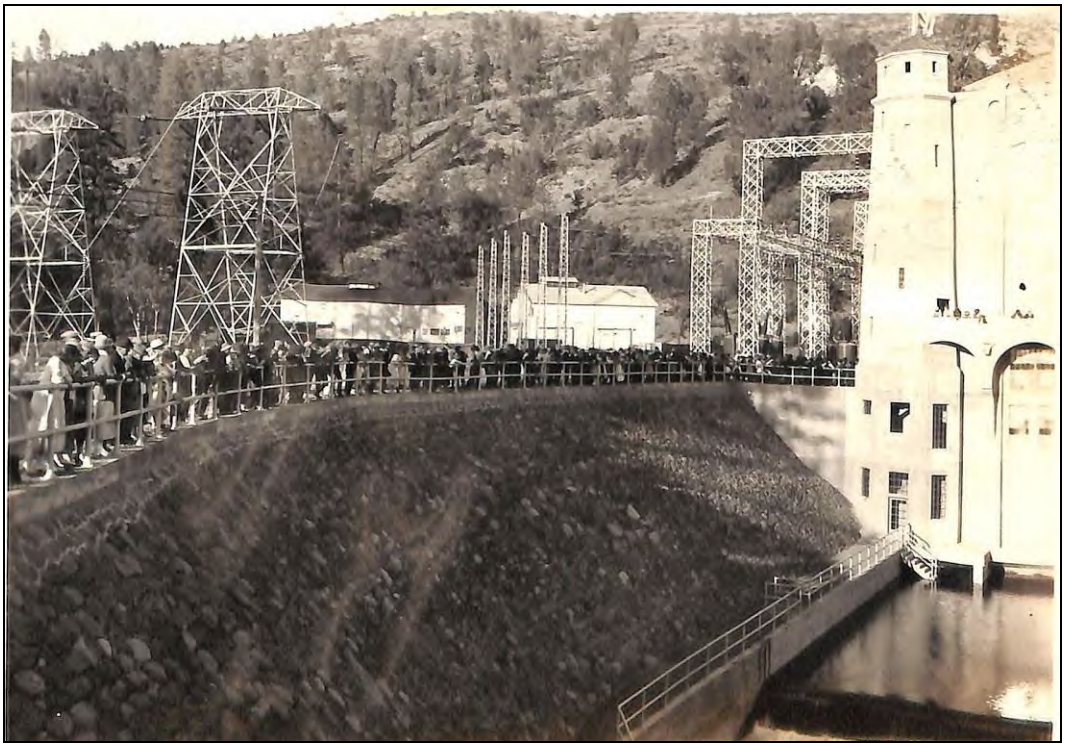


Figure 22: Typical snow type transmission towers and transition towers of circuits 1 and 2 at Pit 1 Powerhouse, opening day, September 30, 1922.[38]



Figure 23: Vaca-Dixon Substation, September 1925.[39]

[38] PG&E, "Mt. Shasta #68," Box W01473L, PG&E Records Center, Iron Mountain, Livermore, California.

Discrepancies exist in the historical record about the date that PG&E began delivering electricity at 220 kV over the Pit – Vaca-Dixon transmission lines. An undated, circa 1926, document in PG&Es records of the transmission line construction states that on opening day, September 30, 1922, power was delivered at 220 kV over completed circuit #2, and a single circuit of the valley section. Other accounts, including one authored by Baum and published in *Electrical World* in January 1923, stated that the construction of the second line in the mountains had not been completed before winter set in and "the lines are therefore operating at 125,000 volts. This is to be raised later to 175,000 and then to 220,000."[40] Later that year, another account in *Electrical World* stated:

> The Pit River development, with its 202-miles, 220-kv. transmission, has attracted much attention in engineering circles because this was the first transmission line to be originally constructed for operation at that voltage. At the present time the second circuit is being operated at 110-kv, in parallel with the 220-kv. Line, and this method of operation will be continued until such time as the additional capacity of the second line at 220 kv. Is needed. This change will be made when the Pit River No. 3 plant, now under construction, is put in operation during the summer of 1925.[41]

This account gives November 16, 1923 as the date that the Pit transmission lines began operating at 220 kV.

At the same time that PG&E was developing the Pit to Vaca-Dixon No. 1 220 kV transmission line, SCE was in the process of retrofitting their Big Creek lines to upgrade them from 150 kV to 220 kV. Retrofitting the existing transmission line required SCE to raise the height of the towers, install additional insulators, and add corona shields. When *Electrical World* announced commencement of the operation of the Big Creek lines at 220 kV in June 1923, the headline asked the question, "Is this the beginning of a national superpower network?" and cited Baum's call that summer for a national network.[42] According to *Electrical World's* accounts, SCE may have been the first to begin operating their retrofitted line at 220 kV in June 1923, with PG&E following in November by operating at 220 kV the first line designed and built for high voltage.

Completion of the 202 mile-long 220 kV transmission line by Baum in the early 1920s caused Baum to envision what he called a "constant potential electric transmission system" in the United States wherein power would be transmitted economically for distances of 1,000 miles or more. As he envisioned operation of such an integrated power network, Baum wrote:

> . . . the entire transmission distance is divided into, say 100-mile sections and at the end of each section there are synchronous condensers or regulators, which also act as electric stabilizers. The function of the regulators is to maintain the time relation of the current and voltage so as to produce the highest economy and maintain practically constant voltage for all points of the line, and for all loads, for any length of time. Each regulated section of the line is practically a repetition of the previous section, and the line may be extended as far as economy dictates. Power may be supplied to or taken from the line as demanded, and generally this would be at synchronous condenser control points; and the power flow may be reversed over sections or over the entire line and the constant potential condition maintained. That is, this power system has the flexibility comparable to a railway system.
>
> With such a system we may transmit at 220,000 volts over one tower line supporting two curcuits (or six wires about .9" in diameter) about 500,000 horsepower. And two such tower lines would supply the power needs of the City of New York.

Baum believed that a national power system would soon emerge uniting the country into a vast power grid extending from the Atlantic seaboard to the Pacific Ocean. With such a system surplus power sources could be matched with large

[39] PG&E, Negative 4596, 77 Beale Street, San Francisco, California.
[40] Frank G. Baum, "The Pit River Power and 220,000-Volt Transmission Problem, Part 1," *Electrical World* 81, no. 4 (1923): 205-212.
[41] "Pit River Transmission Line Raised to 220 Kv." *Electrical World* 82, no. 24 (1923): 1236.
[42] "Southern California 220-Kv. System Operating: Is This the Beginning of a National Superpower Network," *Electrical World* (1923).

consuming markets and electic power could be wielded to "bring about a distribution of the industries and population of the country not otherwise possible." [43]

Post Construction History

PG&E almost immediately replaced the hastily erected mountain section of circuit 2 of the Pit to Vaca-Dixon transmission line between Hat Creek 2 and Cottonwood. In 1924, the company removed all of the temporary wood poles and replaced them with lattice steel towers of a different design than the original snow towers (**Figure 24**).[44]



Figure 24: Pit to Vaca-Dixon No. 2 at right showing towers erected in 1924 to replace wood poles. Tower at left has a modern top-cage extension installed at the top of the tower. Photographed March 8, 2017.

The setting of the valley segment of the Pit to Vaca-Dixon transmission line changed in 1944 when PG&E constructed another transmission tower line immediately adjacent to the Pit 1 line to transmit power from the Pit 5 development that went online that year, and again in the 1960s when the 500 kV extra high voltage line was constructed linking the power systems of Northern California and Oregon (**Figures 25** and **26**). The Pit 5 line runs adjacent to the Pit to Vaca-Dixon Nos. 1 and 2 circuits from Cottonwood to Vaca-Dixon Substation, and the 500 kV line joins the Pit lines east of Esparto. In preparation for Pit 5 going on line and all circuits being fully loaded, PG&E undertook a large project to test the insulators of the Pit to Vaca-Dixon circuits, and replace the corona shields. The company anticipated that 5% of the insulators would be found defective. After spot testing 2,795 suspension insulators in the Shasta Division and finding not a single defective

[43] F. G. Baum, Consulting Engineer San Francisco, U.S.A. Constant Electrical Transmission System, January 10, 1922. Box 064988, Baum Correspondence, 1900-1922, Pacific Gas & Electric Company Archives.
[44] PG&E, GM 10252, "Salvaged Poles in Pit #2 Transmission, April 18, 1924, Box 265702, PG&E Records Center, Iron Mountain, Livermore, California.

insulator, testing was terminated. During the process of replacing the corona shields, 921 insulators were removed and tested, of which just over 1 percent were found defective and replaced.[45]



Figure 25: Transmission line from Pit 5, constructed in 1944 at left, Pit to Vaca Dixon Nos. 1 and 2 carried on center tower, and extra-high voltage tower at right constructed in 1960s. Today these three transmission lines traverse the Sacramento Valley adjacent to one another between Esparto and Vaca-Dixon substation. From 1922 to 1944, the first Pit line was the only transmission line on this alignment. Photographed March 8, 2017.



Figure 26: Pit to Vaca-Dixon circuits 1 and 2 carried on tower at right, line from Pit 5, constructed in 1944 at left. These lines run parallel to each other between Cottonwood Substation and Vaca-Dixon Substation. Photographed March 8, 2017.

[45] PG&E, GM 70409, "June 5, 1942, Box 34805H, PG&E Records Center, Iron Mountain, Livermore, California.

In 1955 and 1956 new conductors were installed on both circuits of the Pit to Vaca-Dixon line between Cottonwood and Vaca-Dixon Substation because the original conductors were causing radio interference in valley towns. Installation of the new larger and lighter aluminum conductors required retrofitting the tower arms to maintain required clearance under wind conditions (**Figure 34**). While the conductors were being replaced, PG&E also replaced the corona shields, and added an additional insulator to the strand to bring it to modern standards.[46]



Figure 27: Reconductoring the valley section of Pit to Vaca-Dixon transmission line, July 11, 1956.[47]

Of the 1,524 towers that compose the Pit to Vaca Dixon No. 1 transmission line, there are approximately 55 that are not original to the 1920-23 construction period. These later towers are composed of 21 different tower types, three types of which are found in the original towers. They were installed in the 1940s, 1950s, 1960s, and 1990s. Most are lattice steel towers that generally resemble in materials and design the original towers of the line (**Figures 35** and **36**). In cases where the height of the transmission tower has required raising, PG&E has installed some top cages like the one seen in **Figure 37** on a typical snow tower. In 1999 PG&E installed two sets of three tubular steel poles in close proximity to one another in the mountain section. This is the only instance of tubular steel poles on the line (**Figure 38**).

[46] PG&E, GM 134839, "Reconductor Pit-Vaca Dixon Nos. 1 and 2, 220 kv circuits between Cottonwood and Vaca Dixon Substation," May 25, 1955, Box 268487L, 1PG&E Records Center, Iron Mountain, Livermore, California.
[47] PG&E, Negative 8726, 77 Beale Street, San Francisco, California.



Figure 28: Tower 101/823 of circuit 230 kV Cottonwood-Delevan #2 (Pit to Vaca-Dixon No. 1) installed in 1960. Lattice steel tower is type G-94-DE – note similarity of appearance to standard type "M." Photographed March 8, 2017.



Figure 29: Tower 181/134 of circuit 230 kV Delevan – Vaca #2 (Pit to Vaca-Dixon No. 1). Lattice steel tower is type "3NT." Photographed March 8, 2017.



Figure 30: Tower type "SA" with lattice steel top cage addition at left, March 8, 2017.



Figure 31: Two sets of three tubular steel poles installed in mountain section in 1999 at right. Tubular steel poles at right are on circuit 2. This is the only instance of tubular steel poles in the Pit to Vaca-Dixon No. 1 Transmission Line.

Today, PG&E has the original Pit to Vaca Dixon No. 1 transmission line broken into six 230 kV operating circuits.[48] The Pit 3 Tap line is a segment of the circuit 230 kV Pit 3 to Pit 1. Research did not reveal when or how the voltage transmitted by the line was increased from 220 kV to 230 kV. Both transmission lines continue to serve their historic function of transmitting power generated at Pit 1 Powerhouse and Pit 3 Powerhouse to the San Francisco Bay Area for distribution to PG&E's customers.

Evaluation

The following evaluation applies to the transmission line formerly known as 220 kV Pit to Vaca-Dixon No. 1 that is today known in PG&E's transmission line lexicon as being comprised of six 230 kV circuits: Pit #3 – Pit #1, Pit #3 – Carberry Switching Station, Carberry Switching Station – Round Mountain, Round Mountain – Cottonwood #3, Cottonwood – Delevan #2, and Delevan – Vaca #2.

The design and construction of the Pit to Vaca-Dixon No. 1 transmission line shares its historic significance in many ways with the significance of the Pit 1 Hydroelectric Plant Historic District. The NRHP evaluation that found the historic district eligible states:

> Under Criterion A, it [Pit 1 Hydroelectric Plant Historic District] is significant at the State level for its place in the hydroelectric development of the State, representing the beginning of the hydroelectric development of a major river by PG&E. Under Criterion C, it is significant at the State level for its engineering and architecture, with one of the largest generating capacities of its day and an unusual degree of embellishment of its plant, in comparison with hydroelectric plants around the country. The whole system was unified by an architectural idea, focused on the power house. The result was a powerful visual image that represented the importance of Pit 1 to PG&E and to the development of hydroelectric power in California. In addition, it represents the work of Frank Baum, one of the leading hydroelectric engineers of his day in the United States.[49]

As the first transmission line designed to transmit electricity for a long distance at such a high voltage, the line certainly meets NRHP and CRHR criteria for significance. This long-distance, high voltage technology was central to the evolution of regional electric utilities like PG&E and SCE in the early decades of the 20th century and later spread regionally and nationally into the modern electrical grid. The following discussion addresses each one of the NRHP and CRHR criteria, assesses whether the transmission line retains integrity to convey its historical significance, and considers if the transmission line meets the criteria for individual eligibility, as a contributor to a larger district, or both.

The Pit to Vaca-Dixon No. 1 Transmission Line is eligible under NRHP Criterion A and CRHR Criterion 1 at the state level because it is historically significant within the context of electrical transmission in California. As early as 1902 in a paper delivered at the American Institute of Electrical Engineers Annual Convention, Dr. Frederic A. C. Perrine, Baum's former professor of electrical engineering at Stanford University, delivered a paper on the longest transmission line networks in the American West in which he described California electrical engineers as "frontiersmen" who were busily engaged in overcoming the greatest obstacles of long distance transmission.[50] While prestigious research institutions like Massachusetts

[48] PG&E has broken the transmission line between Pit 1 Powerhouse and Vaca-Dixon Substation formerly known as Pit to Vaca-Dixon No. 1 into six operational 230 kV circuits: Pit 3 – Pit 1, Pit 3 – Carberry Switching Station, Carberry Switching Station – Round Mountain, Round Mountain – Cottonwood #3, Cottonwood – Delevan #2, Delevan – Vaca #2.

[49] Duncan Hay and Michael R. Corbett, *Historic Resources Assessment Report for the Pit 1 Hydroelectric Project, Shasta County, California*, revised draft. Prepared for the Pacific Gas & Electric Company by Dames & Moore, 1992.

[50] "Longest Electric Power Transmission," *New York Times*, January 19, 1902, 28.

Institute of Technology and General Electric were building laboratory models to calculate electrical phenomena, Frank Baum was building his own "alternating current calculating device" – real electric transmission lines.[51]

In the early decades of the 20th century, California electrical engineers conducted experiments to increase the length of electric transmission lines and to connect these lines into regional power networks. While some electrical engineers employed artificial transmission lines, calculating boards, or other network analyzers, Baum argued for on the ground experience with real lines to produce "a proper calculating analogy." For example, Perrine and Baum experimented with substituting aluminum for copper in long distance transmission lines, conducting field tests that demonstrated substitution was feasible if certain quality control measures were implemented and "engineers respected the material's mechanical and electrical limits." Laboratory experiments and field tests were used to find practical solutions to building extremely long-distance electrical transmission through the varied landscapes of California and the American West. The result, noted Perrine and Baum, was a "less labor intensive" method of calculation that was more useful in the field. Perrine and Baum argued that both "engineering theory" and "concrete working expertise" in local conditions had to be factored into their calculations in building electric transmission facilities across the vast open spaces and varied landscapes found in California and the American West.[52]

In the late 1910s and early 1920s two of California's major electrical utilities, PG&E and SCE, were both developing systems to transmit electricity over 200 miles at 220 kV which had the effect of substantially increasing the amount of affordable power available to their consumers in urban centers. SCE was converting an existing long-distance line to 220 kV at the same time that PG&E was building the Pit to Vaca-Dixon Transmission Line for the purpose of 220 kV transmission. PG&E's pioneering of 220 kV transmission and its successful execution was at the vanguard of a new and rapidly expanding era of electrical supply and demand. After PG&E succeeded in constructing their 220 kV line, it became the standard for high voltage transmission, and many more 220 kV lines were constructed in California. The period of significance under these criteria is 1923, when the line was completed, to 1966 when PG&E energized the first circuit of the 500 kV California-Oregon Intertie and extra-high voltage became the next groundbreaking development in electrical transmission.[53]

The Pit to Vaca-Dixon No. 1 Transmission Line does not have any known historically significant associations with any individuals that merit significance under NRHP Criterion B or CRHR Criterion 2. Research did not reveal that any individual was responsible for the promotion or implementation of the project – outside of its engineering which is considered under NRHP Criterion C / CRHR Criterion 3 – in such a manner that might warrant consideration under these criteria.

Pit to Vaca-Dixon No. 1 Transmission Line has the distinction of being the first long-distance transmission line designed and built to transmit electricity at a long distance at 220 kV. As Jollyman noted, in some ways the engineering required to increase voltage was to simply make the component parts of established technology larger. The real innovation came with the regulation of the line through the use of synchronous condensers, and the design of the insulators and corona shields to reduce power losses. Other aspects of engineering for transmitting high voltage included the height, weight, and spacing of the towers, and the composition and materials of the conductors themselves. In the course of his work designing the line, Baum took out patents on the innovations. In an article he published in 1923 in *Electrical World*, he noted that the field of insulator engineering was under continuous study and the insulator strings chosen for the line are "not considered the final solution in the insulation for high voltages." The insulators proved, however, to be quite robust, and many original insulators remain in use throughout the line. All of the integrated parts involved in engineering a transmission system at a

[51] Aristotle Tympas, "A Deep Tradition of Computing Technology: Calculating Electrification in the American West," in Volker Janssen, *Where Minds and Matters Meet: Technology in California and the West* (Berkeley: University of California Press, 2012), 71-102.

[52] F. A. C. Perrine and F. G. Baum, The Use of Aluminum Line Wire and Some Constants for Transmission Lines," *Transactions of the American Institute of Electrical Engineers*, 17 (May 1900), 345-384.

[53] "PG&E Energizes First Circuit of Intertie Link," *Electrical West* v. 133, n. 2 (February 1966): 25.

groundbreaking distance and voltage was an engineering achievement that meets the criteria required for significance under NRHP Criterion C and CRHR Criterion 3.

In addition to meeting the NRHP and CRHR Criteria C and 3 for groundbreaking engineering, Pit to Vaca-Dixon Transmission Line is also significant under these criteria as an important work of master engineer Frank G. Baum. Baum was central in developing the concept and practice of transmitting electricity at 220 kV, and he was the visionary behind developing the Pit River to supply power to the San Francisco Bay Area. This transmission line is historically significant for its association with Baum because it best represents his innovation in electrical transmission, it is directly linked to the Hat Creek and Pit 1 hydropower plants that he designed on the Pit River, and it represents the vision he had to link power generation at a great distance to the urban centers where demand was greatest. Design and execution of the first 220 kV long-distance transmission line was Baum's highest contribution to his field of engineering and an achievement for which he was widely recognized. The period of significance under these criteria is 1923, the year the transmission line was completed and went online at 220 kV.

Pit to Vaca-Dixon No. 1 Transmission Line is not eligible under NRHP Criterion D or CRHR Criterion 4 for information potential because the project is well documented through drawings, textual records, and photographs.

Despite some losses of integrity, Pit to Vaca-Dixon No. 1 Transmission Line retains sufficient integrity to convey its historical significance. In terms of location, the transmission line traverses its historic route within the right-of-way PG&E established in 1920. The integrity of the setting of the line has been diminished by construction of additional transmission lines in close proximity to the original line, however, this does not prevent an observer from understanding the line. The component of the transmission line that has the highest level of integrity of design, materials, and workmanship is the 1,459 original towers. Less than 4% of the towers of the line post-date original construction. Modifications that have been made to the towers are appropriate in terms of design and materials. For example, the tower arms that were modified in the valley section during the reconductoring in 1955-56 is almost imperceptible, and the few top cages that have been added use appropriate materials and design – lattice steel. Similarly, with the exception of the two 1999 tubular steel pole towers, replacement towers have been designed with lattice steel that is appropriate to the line. The line is insulated with ceramic insulators and corona shields which are a combination of original and replacement materials. Because those insulators that have been replaced have been replaced with appropriate materials, very little integrity of design and materials has been lost. In terms of association, the line has very good integrity because it continues to serve its original purpose of delivering power generated at Pit 1 Powerhouse to Vaca-Dixon Substation for distribution to the San Francisco Bay Area. And finally, feeling, the most subjective of integrity considerations – the Pit to Vaca-Dixon No. 1 Transmission Line retains the ability to convey to an observer the era in which it was built, and the fundamental characteristics of two primary lattice steel tower types, one for the valley and one for the mountains, with strings of ceramic insulators.

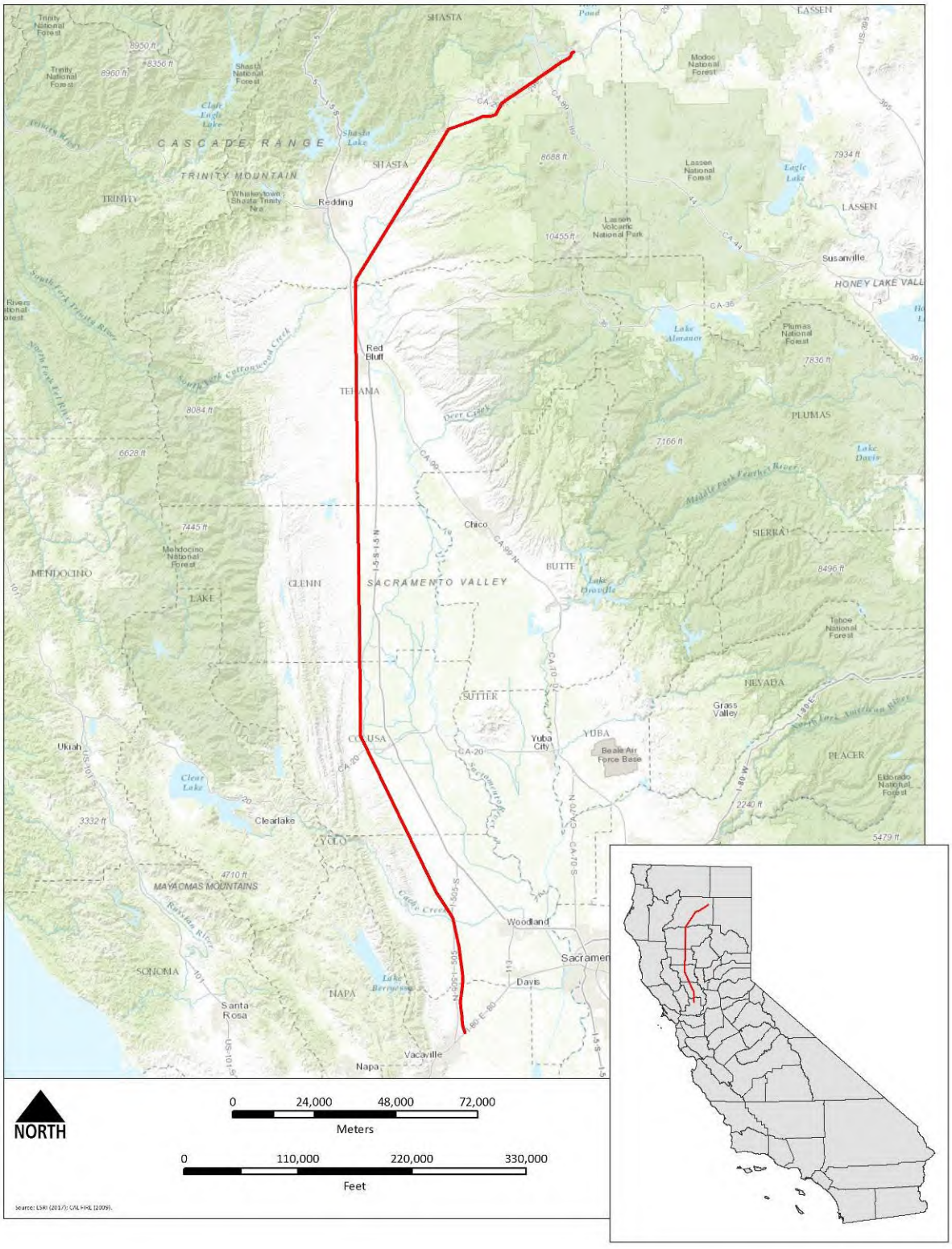
Over the past twenty-five years, numerous studies have found various components of the overall PG&E Pit River hydroelectric development project eligible as historic districts, and some components of the development remain unevaluated. The project was constructed in stages from 1919 to 1966. While Baum was a visionary who conceived of a stepped hydroelectric power development on Pit River with numerous plants and a high voltage transmission line that supplied power to the Bay Area, Baum left the company in 1923 decades before the project was completed. In the absence of a comprehensive study that evaluates the actual as-built Pit River development in relation to Baum's original vision and engineering, it is not known if, or how, the Pit 1 to Vaca-Dixon No. 1 Transmission Line would contribute to any larger historic district or multiple property listing.

The character-defining features of the Pit to Vaca-Dixon No. 1 Transmission Line are its alignment within the right-of-way, the three lattice poles that transition the conductors from the Pit 1 switchyard to the first tower, all original lattice-steel towers, and all original insulators. The conductors have been replaced and do not contribute to the significance of this historic property. See Appendix E of report for enumeration of contributing and non-contributing towers.

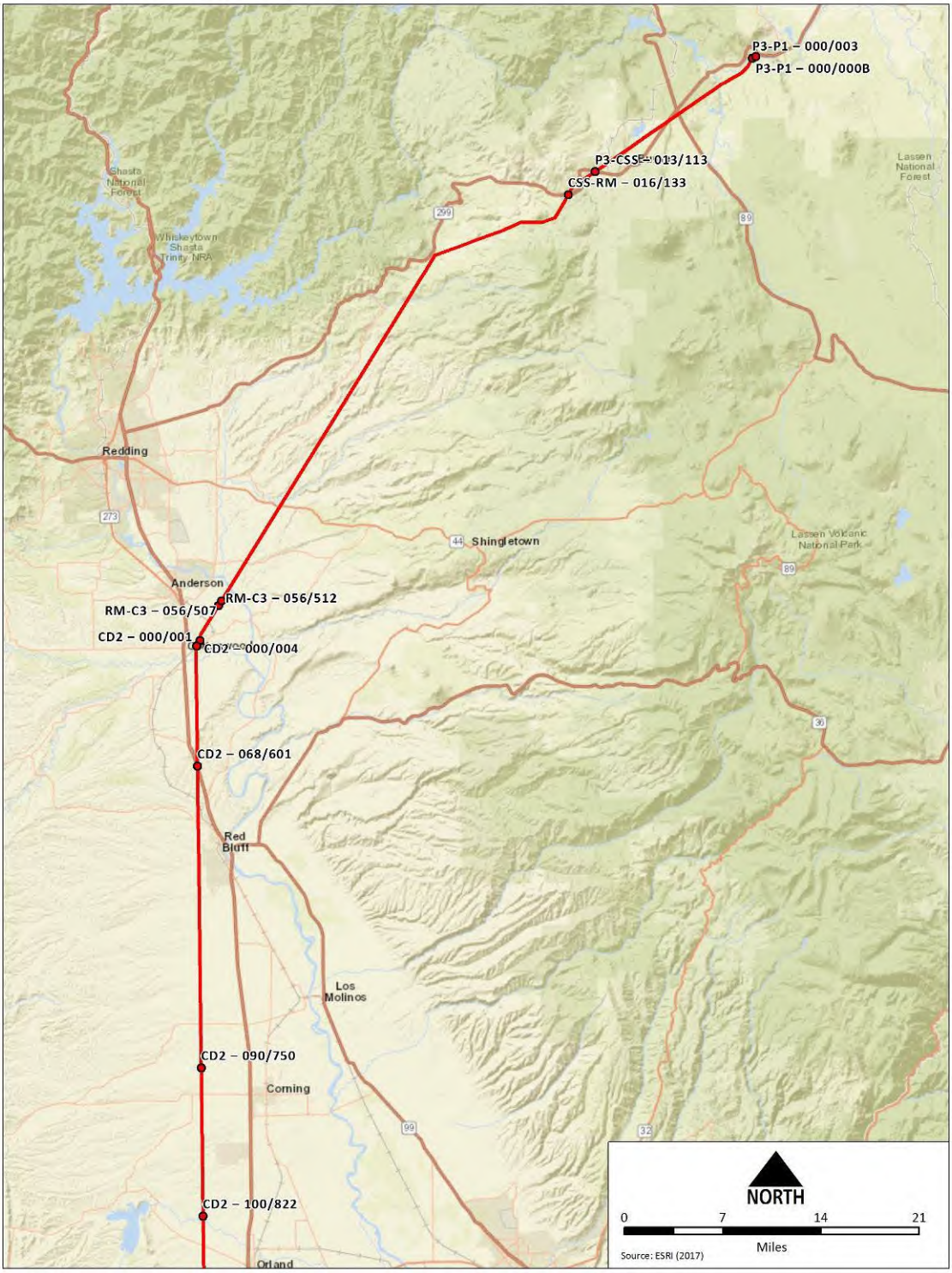
The boundary of this historic property is the footprint of the towers and conductors within PG&E's right-of-way.

Circuit No. 2 of the Pit to Vaca-Dixon Transmission Line is carried on a separate set of towers parallel to Circuit No. 1 in the mountain section as discussed in the historic context above. Identification and evaluation of that circuit was beyond the scope of this project; however, it is very likely that it would also be eligible under NRHP Criterion A / CRHR Criterion C as part of the integrated transmission system developed to transmit electricity from the Pit River. Circuit 2 was upgraded from the temporary pole line to steel towers, as called for in the original design. Below Cottonwood Circuit No. 2 is carried on the same set of towers as Circuit No. 1 and is therefore part of the NRHP and CRHR-eligible transmission line.

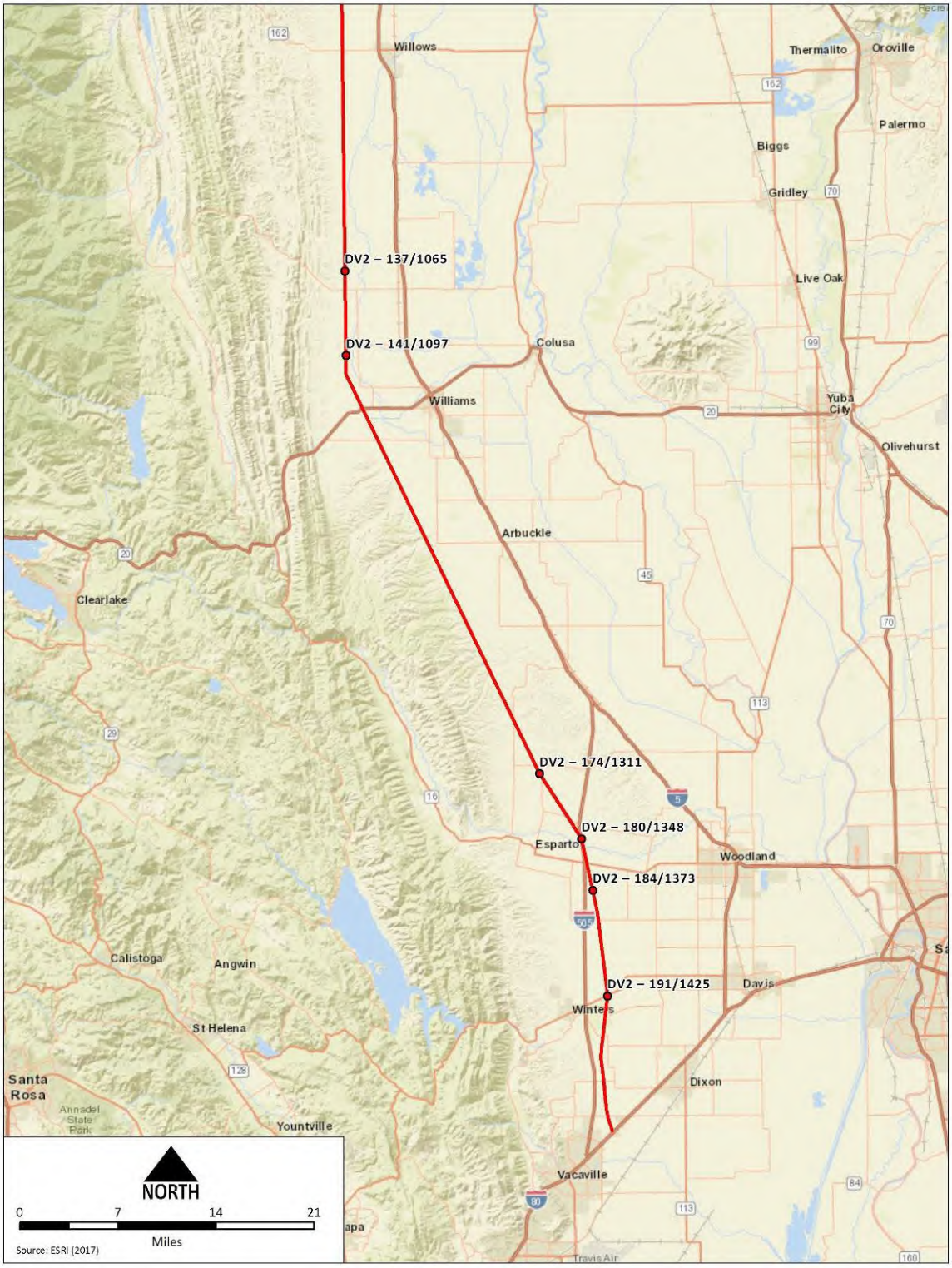
Vicinity Map:



Site Maps – Linear Feature Records:



Key Map for northern half of Pit to Vaca-Dixon No. 1 Transmission Line showing locations of each Linear Feature Record. Detailed views of each Linear Feature Record location on the following pages.



Key Map for southern half of Pit to Vaca-Dixon No. 1 Transmission Line showing locations of each Linear Feature Record. Detailed views of each Linear Feature Record location on the following pages.



Site Map – Linear Feature Record Designation P3-P1 – 000/000B



Site Map – Linear Feature Record Designation P3-P1 – 000/003



Site Map – Linear Feature Record Designation P3-CSS – 013/113



Site Map – Linear Feature Record Designation CSS-RM – 016/133



Site Map – Linear Feature Record Designation RM-C3 – 056/507



Site Map – Linear Feature Record Designation RM-C3 – 056/512



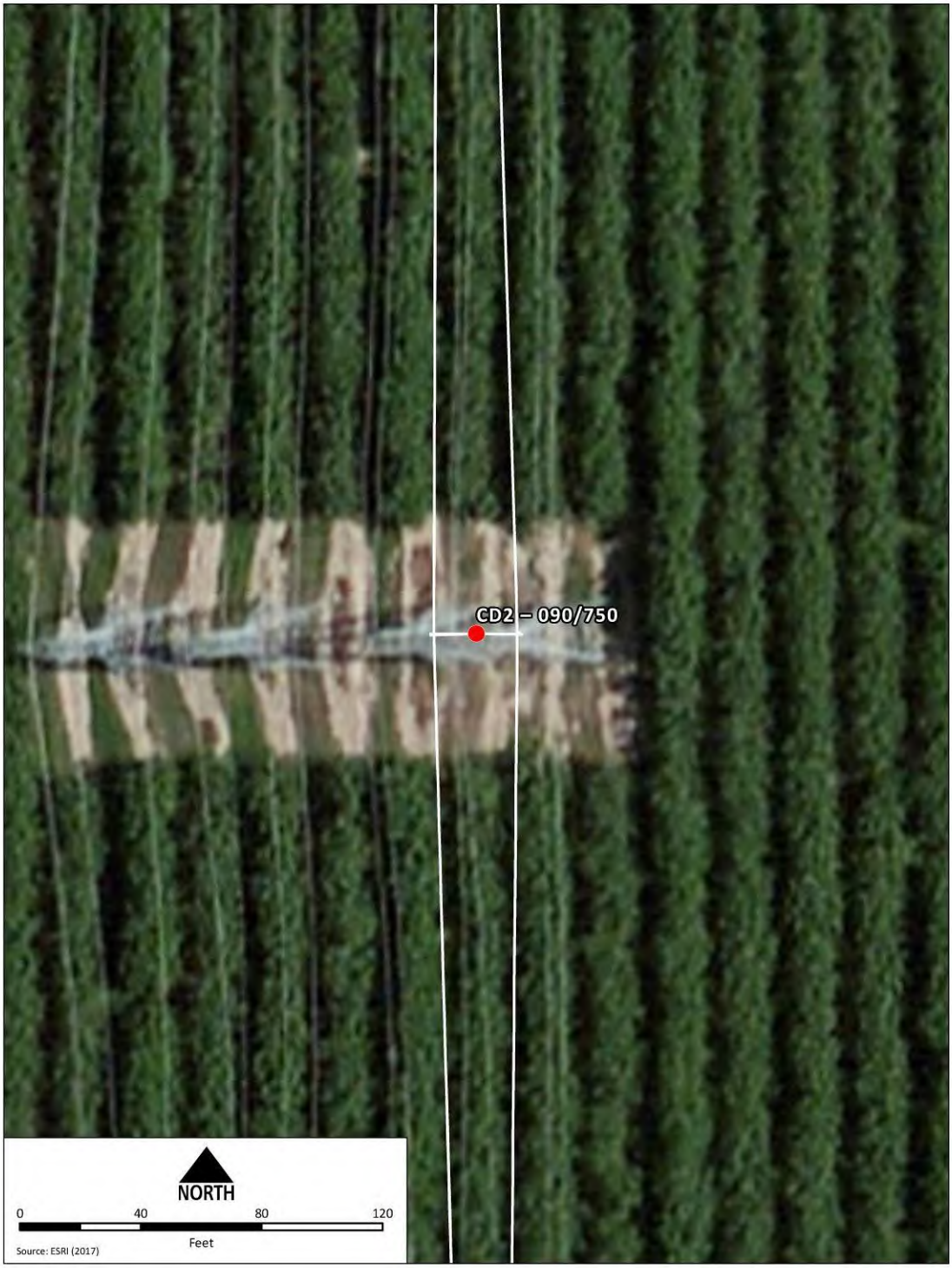
Site Map – Linear Feature Record Designation CD2 – 000/001



Site Map – Linear Feature Record Designation CD2 – 000/004



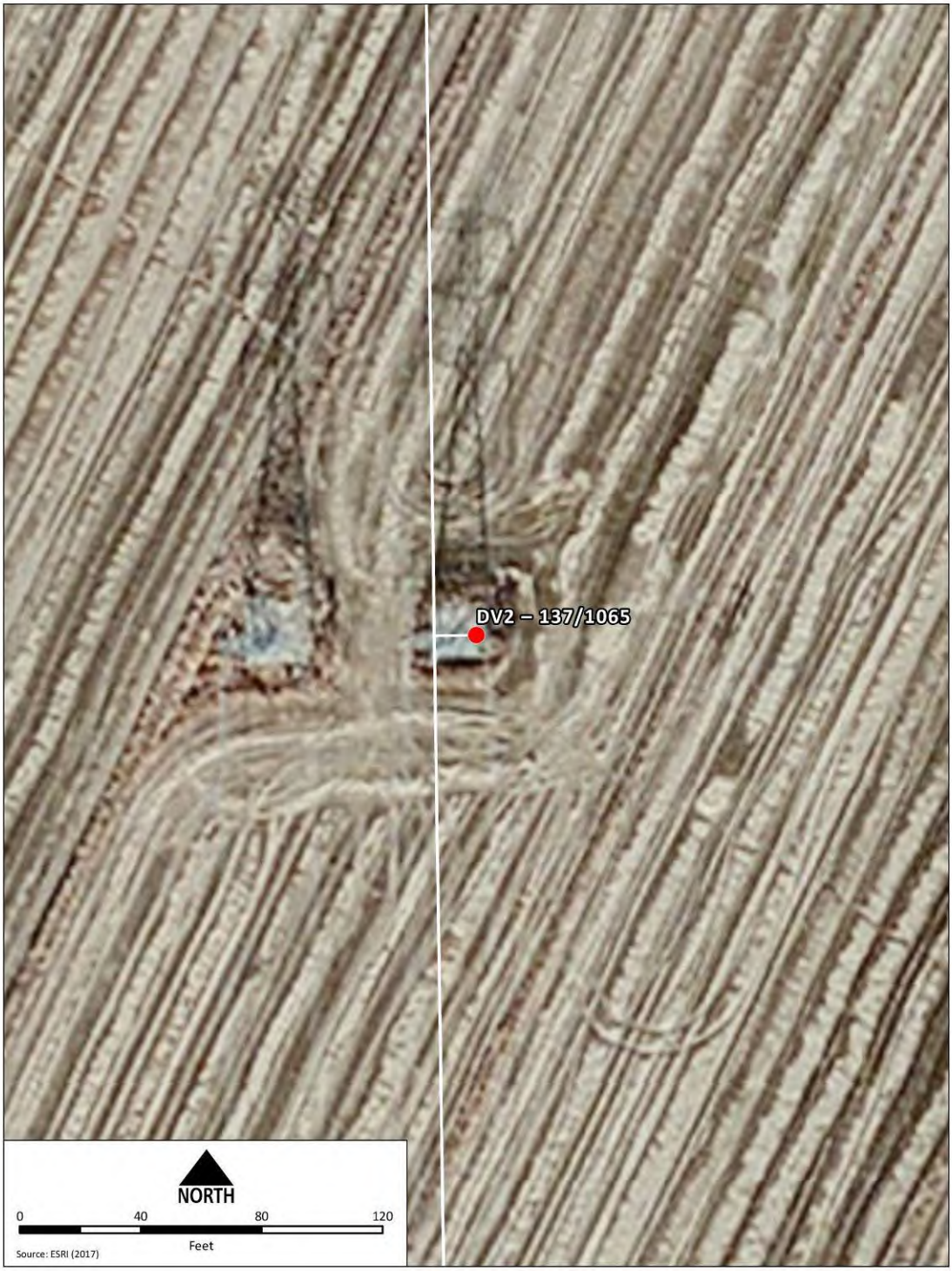
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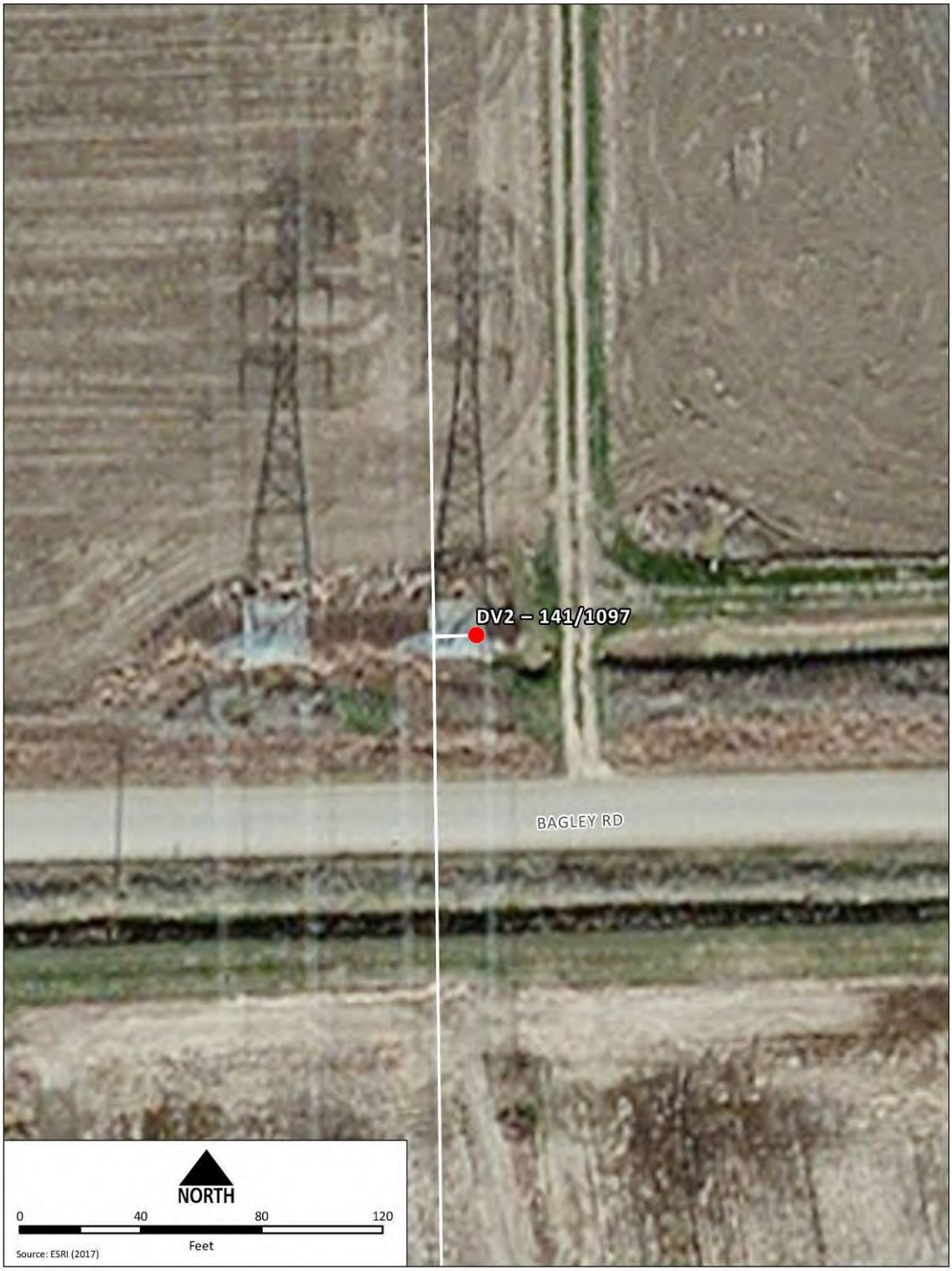
Site Map – Linear Feature Record Designation CD – 090/750



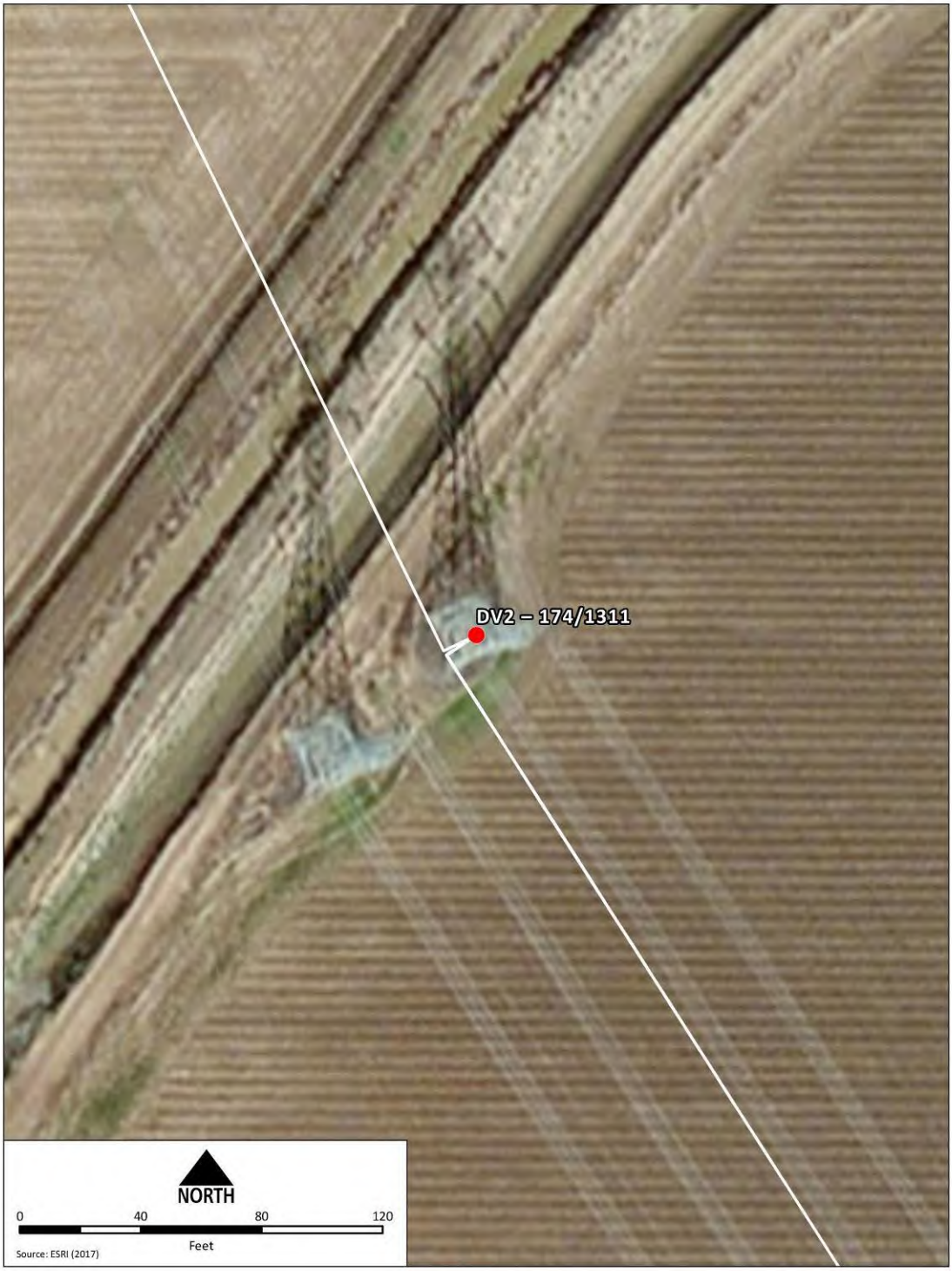
Site Map – Linear Feature Record Designation CD2 – 100/822



Site Map – Linear Feature Record Designation DV2 – 137/1065



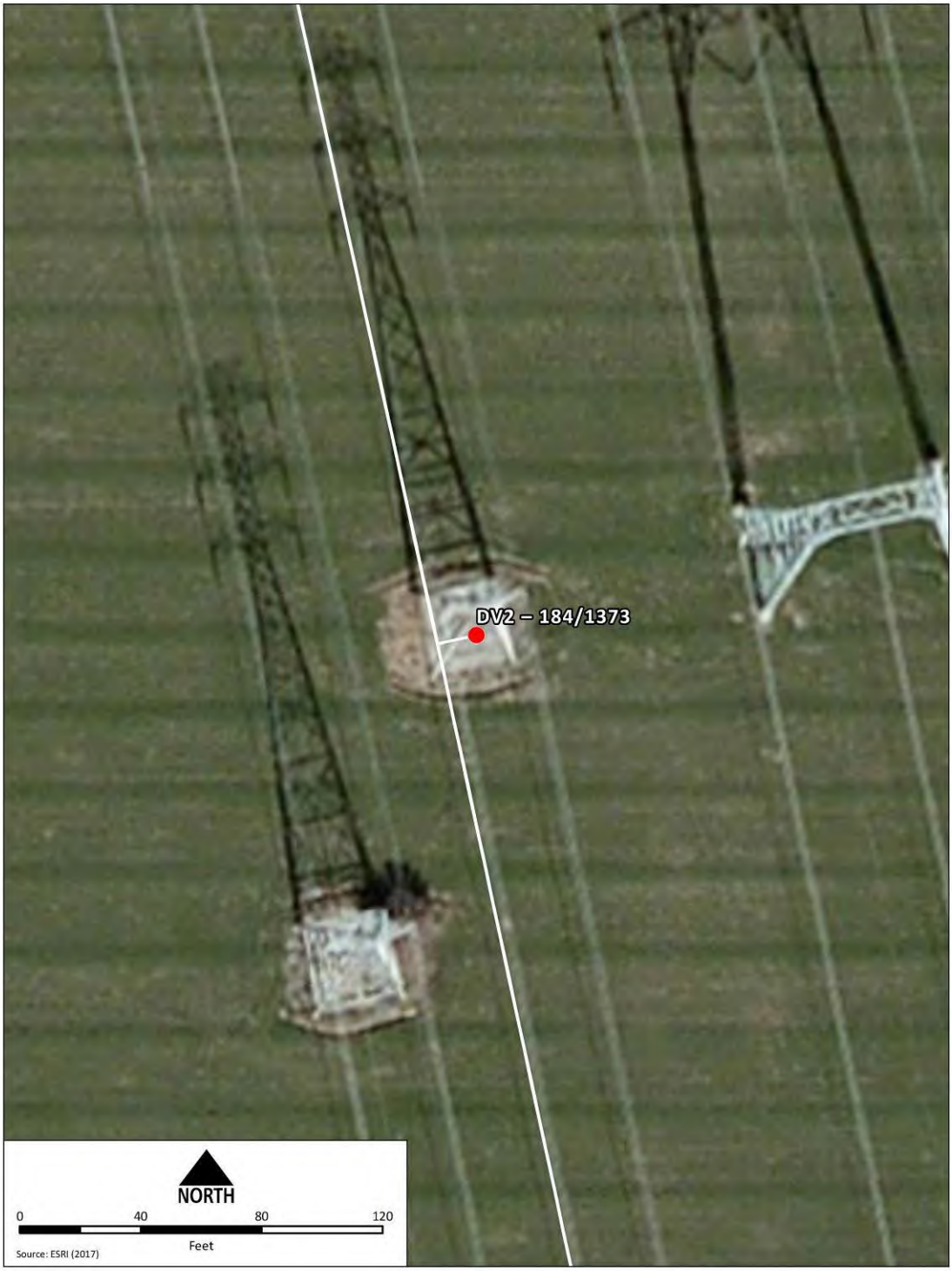
Site Map – Linear Feature Record Designation DV2 – 141/1097



Site Map – Linear Feature Record Designation DV2 – 174/1311



Site Map – Linear Feature Record Designation DV2 – 180/1348



Site Map – Linear Feature Record Designation DV2 – 184/1373



Site Map – Linear Feature Record Designation DV2 – 191/1425

Appendix G
Phase I ESA

Phase I Environmental Site Assessment

Saloon Battery Energy Storage System Project Colusa County, California

MAY 2024

Prepared for:

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
APN	Assessor's Parcel Number
ASTM	American Society for Testing and Materials
CalEPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CREC	controlled recognized environmental condition
EDR	Environmental Data Resources
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
HREC	historical recognized environmental condition
PCB	polychlorinated biphenyl
pCi/L	picocuries per liter
REC	recognized environmental condition
VEC	vapor encroachment condition

1 Executive Summary

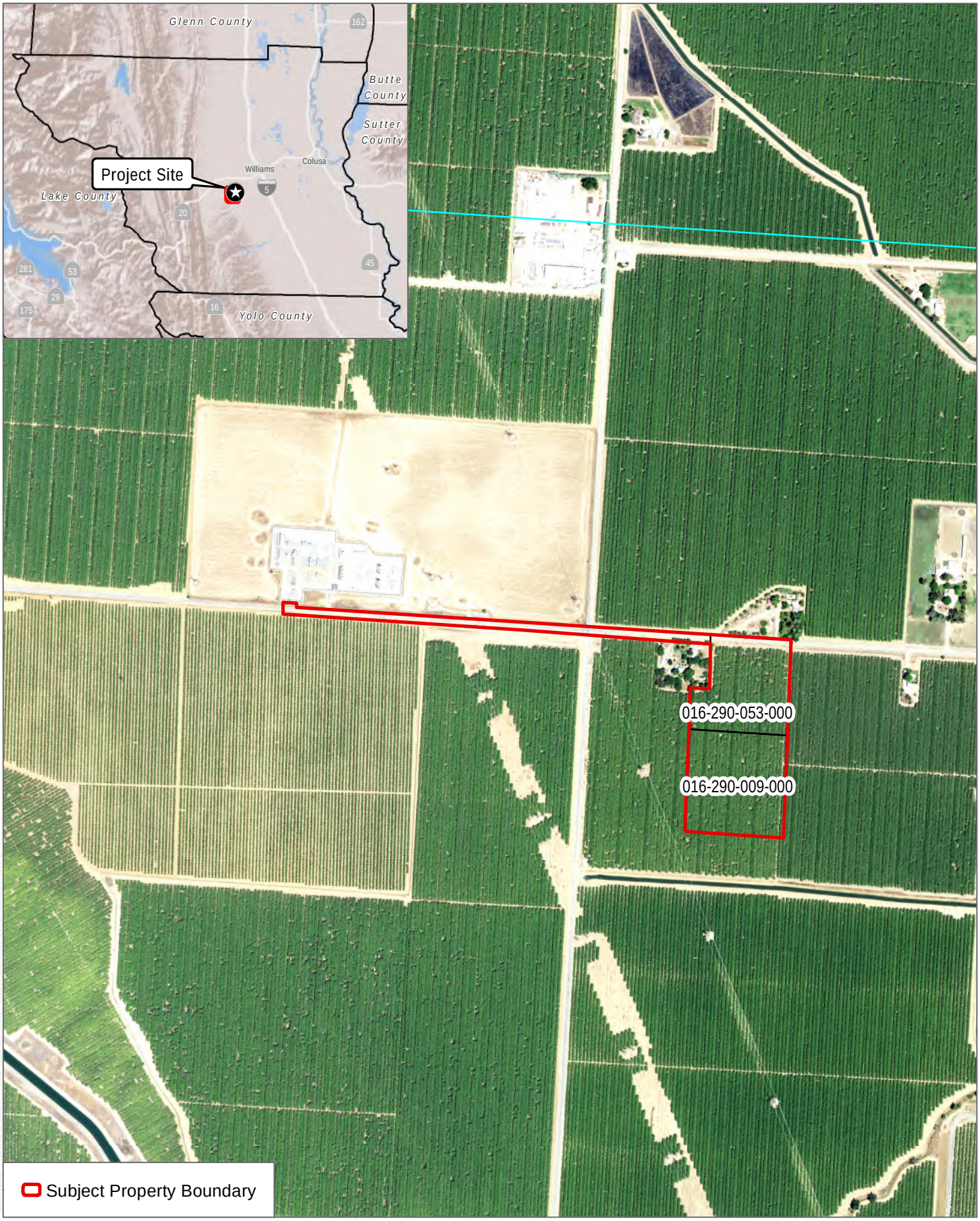
Dudek conducted a Phase I Environmental Site Assessment (ESA) for the Saloon Battery Energy Storage System Project (subject property). The subject property is located in unincorporated Colusa County, California (subject property). The subject property consists of approximately 18 acres of land within portions of two parcels (Assessor's Parcel Numbers [APNs] 016-290-053 and 016-290-009) and a gen-tie line that extends west to an electrical substation (see Figure 1, Subject Property Location).

The findings of this investigation are based on historical sources, interviews, information contained in regulatory agency databases, and a site reconnaissance.

Information gathered for this report indicated the following:

- The subject property has been used for agricultural purposes since at least 1937. An almond orchard was planted on the subject property in 2006.
- No buildings have been built on the subject property.
- An electrical substation adjoins the gen-tie portion of the subject property to the north.
- Remaining adjoining and surrounding properties include a mix of rural residential housing, orchards, and power transmission lines.

This assessment revealed no evidence of recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), controlled recognized environmental conditions (CRECs), or vapor encroachment conditions (VECs) in connection with the subject property. Data gaps, which were determined not to be significant, are discussed in Section 13, Limitations.



SOURCE: Bing Maps

DUDEK

0 420 840 Feet

FIGURE 1

Subject Property Location

Saloon BESS Project, Colusa County, California Phase I ESA

2 Introduction

This Phase I ESA was performed according to the guidelines stipulated in ASTM Standard E2247-16, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Properties (ASTM 2016). This Phase I ESA was conducted on behalf of Saloon Energy Storage LLC and Hanwha Q Cells USA Corp. as part of environmental due diligence for the development of a renewable energy project on the subject property.

The subject property is located in unincorporated Colusa County, approximately 4.5 miles southwest of the City of Williams (Figure 1) and consists of approximately 18acres of land on two parcels (APN 016-290-053 and 016-290-009) and a gen-tie line that extends west toward a substation. The subject property is further described in Chapter 3, Site Location.

2.1 Assessment Procedure and Scope of Investigation

Phase I ESAs assist in identifying past and present land use, including identification of possible releases or disposal of manufacturing or other wastes if such information is contained within regulatory reports or files and/or is currently visible on site. The assessment reviews local, county, state, and U.S. Environmental Protection Agency (EPA) lists of known or potentially hazardous waste sites, landfills, and sites currently under investigation for environmental violations that may be of concern to a site.

The scope of this environmental investigation consisted of (1) a reconnaissance of the subject property; (2) a search of regulatory agency records; (3) a review of available historical aerial photographs, topographic maps, Sanborn fire insurance maps, city directory listings, and building department records; (4) an interview with the subject property owner and the user of this report; and (5) preparation of this Phase I ESA report detailing the findings of the investigation. An environmental lien search was not completed as part of this Phase I ESA.

These activities were conducted to identify recognized environmental conditions (RECs). The term “recognized environmental condition” means the presence or likely presence of any hazardous substances or petroleum products in, on, or at the subject property due to a release, likely release, past release, or material threat of a future release to the environment.

The term “controlled recognized environmental condition” (controlled REC) is an environmental condition that would have been considered a REC in the past but has been remediated and received risk-based closure by a regulatory agency (i.e., no further action letter) where residual contamination remains in place. Furthermore, the term “controlled REC” is used if the property is subject to a control or use restriction (i.e., property use restrictions, activity and use limitations, institutional controls, or engineering controls) due to residual on-site contamination.

The term “historical recognized environmental condition” (historical REC) is an environmental condition that would have been considered a REC in the past but has been remediated and received unrestricted residential use closure by the regulatory agency. Therefore, no controls or use restrictions have been applied to the property.

The term REC is not intended to include de minimis conditions. De minimis conditions are conditions that generally do not present a material risk of harm to public health or the environment, and thus would not be the subject of an enforcement action if brought to the attention of governmental agencies.

2.2 Qualifications of Environmental Professionals

This Phase I ESA was prepared by Susan Smith, geologist; Sharllyn Pimentel, Hydrogeologist; Jamie Schnieders, Hydrogeologist. Qualifications for Ms. Smith, Ms. Pimentel, and Ms. Schnieders are presented in Appendix A.

I, Susan Smith, declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in Section 312.10 of 40 Code of Federal Regulations Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 Code of Federal Regulations Part 312.

3 Site Location

The subject property is located at 5266 Beauchamp Drive, Colusa County approximately miles southwest of the City of Wiliams, Colusa, California. The subject property encompasses approximately 18acres of land on APNs 016-290-053 and 016-290-009 and a gen-tie line that extends west toward an electrical substation (Figure 1). The subject property currently an almond orchard.

The subject property is adjoined by the following:

- Walnut Drive (also labeled as Beauchamp Drive) followed by rural housing and orchards to the north; an electrical substation adjoins the gen-tie portion of the subject property to the north.
- Orchards followed by irrigation canal to the south as well as transmission powerlines.
- Orchards to the east.
- Rural residential housing, followed by orchards, and East Camp Road to the west.

The surrounding properties are primarily rural residential housing and land cultivated for agricultural use.

4 Environmental Setting

4.1 Topography and Geology

The subject property is located in the Great Valley geomorphic province, east of the Coast Ranges (CGS 2002).

General topographic information for the subject property and the surrounding area was obtained from a review of topographic maps (Appendix B), the Environmental Data Resources (EDR) Radius Map Report (Appendix C), and a site visit. The subject property is slopes gently down toward the north-northeast with an average elevation of 144 feet above sea level.

No subsurface geologic investigations were performed as part of this Phase I ESA. According to the EDR Report (Appendix C), the subject property is underlain by Myers soil components which are described as soils with a clay texture and well-drained with very slow infiltration rates.

4.2 Groundwater

Based on sources searched by EDR, 9 water wells were mapped within 1 mile of the subject property, no wells were mapped on the subject property. No depth to water information was provided for any of the wells. (Appendix C). Dudek reviewed the California State Water Resources Control Board (SWRCB) Groundwater Information System Mapping Tool (GAMA 2024); no groundwater wells were mapped on the subject property.

4.3 Agricultural Use

The subject property is currently used for agricultural purposes. Historical resources (see Chapter 8, Site History) indicate that the subject property has been cultivated for agricultural purposes from as early as 1937. As with all agricultural properties, pesticides and herbicides are likely used. The chemicals of concern associated with these compounds, such as organochlorinated compounds and metals, are accumulative and persistent in shallow soils. Therefore, the longer a property is used for agricultural purposes, the more likely there is an accumulation of these chemicals of concern. Due to the long-term agricultural use of the property, there is a potential for elevated concentrations of pesticide- and herbicide-related compounds in shallow soils. Typically, this is considered a REC for unrestricted land use. However, based on the future commercial and unoccupied use of the subject property, it is unlikely that residual concentrations of pesticide-related compounds would be above applicable risk-based concentrations for the land use as a renewable energy facility. Therefore, the historical agricultural use is not considered to represent a REC.

5 Public Agency Records Search

The regulatory database search gives a listing of sites within a 1-mile radius of the subject property ("target property" is the term used by EDR) that are known to be chemical handlers or hazardous waste generators or have reported releases of hazardous substances or petroleum products. Information in these listings includes the location of the site relative to the subject property, the type of potential environmental concern present, and the status of the site. On April 17, 2024, EDR provided the database search for this Phase I ESA.

Table 1 summarizes the databases that were searched that provide information on hazardous materials and petroleum products on the subject property. The table also indicates the search distances from the subject property and the number of sites identified in each database. The comprehensive list of databases is included in the EDR Radius Map Report (Appendix C).

Table 1. Regulatory Database Search Summary

Acronym	Database	Search Distance	Subject Property Listed?	Number of Surrounding Sites Listed
NPL	National Priorities List (including proposed NPL sites and NPL Liens [target property only])	1 mile	No	0
Proposed NPL	Sites proposed for NPL	1 mile	No	0
NPL LIENS	Federal Superfund Liens	1 mile	No	0
Delisted NPL	National Priority List Deletions	1 mile	No	0
CERCLIS – Federal Facility	Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) with U.S. Environmental Protection Agency Federal Restoration and Reuse Office involvement	0.5 miles	No	0
CERCLIS – SEMS	CERCLA Superfund Enterprise Management System	0.5 miles	No	0
CERCLIS NFRAP (SEMS ARCHIVE)	CERCLA Superfund Enterprise Management System Archive	0.5 miles	No	0
CORRACTS	Resource Conservation and Recovery Act (RCRA) Corrective Action	1 mile	No	0
RCRA TSDF	RCRA - Transportation, Storage, and Disposal Facilities	0.5 miles	No	0
RCRA-LQG	RCRA Large Quantity Generators	0.25 miles	No	0
RCRA-SQG	RCRA Small Quantity Generators	0.25 miles	No	0
RCRA-VSQG	RCRA Very Small Quantity Generators	0.25 miles	No	0
ERNS	Emergency Response Notification System	Target property	No	0
RESPONSE	State Response Sites	1 mile	No	0
ENVIROSTOR	EnviroStor Databases	1 mile	No	0
LUCIS	Institutional Control/Engineering Control	0.5 miles	No	0
US/OR ENG	Sites with Engineering Controls	0.5 miles	No	0

Table 1. Regulatory Database Search Summary

Acronym	Database	Search Distance	Subject Property Listed?	Number of Surrounding Sites Listed
CONTROLS				
US/OR INST CONTROLS	Sites with Institutional Controls	0.5 miles	No	0
SWF/LF	State and Tribal Landfill and/or Solid Waste Disposal Site	0.5 miles	No	0
LUST	State Leaking Underground Storage Tank	0.5 miles	No	0
Indian LUST	Tribal Leaking Underground Storage Tank	0.5 miles	No	0
CPS-SLIC	Statewide SLIC Cases	0.5 miles	No	0
AST	State and Tribal Registered Aboveground Storage Tank	0.25 miles	No	1
UST	State and Tribal Registered Underground Storage Tank	0.25 miles	No	0
Indian UST	Registered Underground Storage Tank on Tribal Land	0.25 miles	No	0
FEMA UST	FEMA-Owned Registered Storage Tank	0.25 miles	No	0
Indian VCP	Voluntary Cleanup on Tribal Land	0.5 miles	No	0
VCP	State and Tribal Voluntary Cleanup	0.5 miles	No	0
Brownfields	State and Tribal Brownfields	0.5 miles	No	0
Additional Environmental Records, including local lists		*Varies*	*No*	*3*

Note: The search distances in the EDR report and listed in this table are equal to or greater than the search distances required by ASTM Standard E2247-16.

5.1 Subject Property

No sites were identified one site on the subject property.

5.2 Adjoining Properties

EDR identified three listings on the adjoining properties.

1X Cortina Substation, located north of the intersection of Walnut Road and East Camp Road, adjoins the gen-tie portion of the subject property to the north. The site is listed in DTSC Hazardous Waste Tracking System (HWTS) and the HAZNET databases. These databases identified the site as a hazardous waste generator that is inactive since 2001. These databases are administrative in nature and do not document a release. Based on the administrative nature of the listing, this site is unlikely to have impacted the environmental conditions of the subject property.

MCI DBA Verizon Business, 5217 Walnut Drive, adjoins the gen-tie portion of the subject property to the north. The site was listed in the Certified Unified Program Agency (CUPA) database. The CUPA program consolidates the administration, permits, inspections and enforcement activities. The site is listed as part of the Business Plan

Program as the site handles, stores and uses hazardous materials. Based on the administrative nature of the listing, this site is unlikely to have impacted the environmental conditions of the subject property.

PG&E Cortina Substation, 5217 Walnut Drive, adjoins the gen-tie portion of the subject property to the north. The site was listed in the AST database. Based on the administrative nature of the listing, this site is unlikely to have impacted the environmental conditions of the subject property.

5.3 Nearby Properties

EDR did not identify any listings for nearby properties.

5.4 Unmapped Sites

Unmapped sites are flagged by EDR, but not mapped due to insufficient address information. They are usually included in the database search report because they are in the same zip code as the subject property. The EDR Report identify one unmapped site, Caldwell Flying Service, in the EnviroStor database. Dudek was able to identify the location of the site over 3 miles northeast of the subject property. Based on the distance, it is unlikely that the site has impacted the environmental conditions of the subject property.

6 Interviews

6.1 Site Representative Interview

Dudek representative, Susan Smith, interviewed Allen Myers, owner of the subject property, via phone on May 6, 2024. A copy of the questionnaire used during the interview, and responses provided by Mr. Myers, are presented in Appendix D. Below is a summary of Mr. Myer's responses.

- Mr. Myers has owned the subject property since 1984.
- Mr. Myers stated that the subject property is has been an almond orchard since 2006. Prior to 2006, the subject property was used for row crops such as tomatoes and vine seeds. Permitted herbicide and fungicide are applied to the crops as regulated.
- There are no permanent structures on the subject property.
- The previous owner was Burlis Jansen.
- Mr. Myers was not aware of industrial use on the subject property or adjoining properties.
- Mr. Myers was not aware of hazardous materials pipelines on the subject property.
- The subject property is part of an irrigation district; no wells are on the subject property.
- Mr. Myers was not aware of any previous hazardous materials use, storage, or other activities on the subject property that could indicate a release of hazardous materials or petroleum products.

6.2 User-Provided Information

In accordance with ASTM Standard E2247-16, to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the tasks outlined in Section 6.2 through 6.9 of ASTM Standard E2247-16 must be completed, including a search for environmental liens and activity use limitations. To facilitate this requirement, Dudek sent the following questions to the user of this report. Answers to these questions fulfill the requirement of Sections 6.2 through 6.9 of the ASTM Standard. George Gunnoe, Senior Manager of Development at QCells USA Corps. provided the following responses via phone on May 15, 2024.

1. **Question:** Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

   Response: No.

2. **Question:** Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

   Response: No

3. **Question:** As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

   Response: No.

4. **Question:** Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

   Response: Yes.

5. **Question:** Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? (a) Do you know the past uses of the property, (b) do you know of specific chemicals that are present or once were present at the property, (c) do you know of spills or other chemical releases that have taken place at the property, or (d) do you know of any environmental cleanups that have taken place at the property?

   Response: No. (a) Farming. (b) No. (c) No. (d) No.

6. **Question:** As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

   Response: No.

6.3 Local Agency Records

6.3.1 Colusa County

6.3.1.1 Environmental Health Services Department

Dudek contacted the Colusa County Environmental Health Department on May 7, 2024 to obtain records pertaining to hazardous materials and chemicals, underground storage tanks/aboveground storage tanks, or releases/investigations associated with the subject property. The Colusa County Environmental Health Services Department acts as the Certified Unified Public Agency for the region. A response was received on May 7, that no records were found for the parcels.

6.3.1.2 Building Department

Dudek contacted the Colusa Building Department on May 7, 2024 to obtain records of building permits or code violations associated with the subject property. As of the date of this report, no response has been received. Dudek also reviewed the Colusa County Online Permit Portal (Colusa 2024a). No records were found for the parcels associated with the subject property.

6.3.1.3 Assessor's Office

Dudek searched the Colusa County ParcelQuest search (Colusa County 2024b) on May 9, 2024 for parcel and property information. No buildings records were found for the subject property. The land use for the parcels was identified as agricultural.

6.3.1.4 Department of Agriculture and Measurement Standards

Dudek contacted the Colusa County Department of Agricultural Commissioner/Sealer of Weights and Measures on May 9, 2024 to obtain information regarding agricultural use of the site and the use of pesticides and herbicides on the subject property. Dudek received a response from the Colusa County Commissioner on May 16, 2024. Permits were provided regarding the uses of pesticides, and fungicides dating back to June 2021. The list of products applied to the subject property can be found in Appendix E.

6.3.3 State Water Resources Control Board

Dudek searched GeoTracker, the State Water Resources Control Board's data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. Records include sites that require cleanup, various unregulated projects, and permitted facilities (SWRCB 2024). The subject property was not identified in the database. No sites were identified within 1 mile of the subject property.

6.3.4 Department of Toxic Substances Control

Dudek searched EnviroStor, the Department of Toxic Substances Control's database management system used for tracking cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known contamination (DTSC 2024). The subject property was not identified in the database. No sites were identified within 1 mile of the subject property.

6.3.5 National Pipeline Mapping System

Dudek searched the National Pipeline Mapping System online database, which provides a public map viewer application that displays data related to gas transmission and hazardous liquid pipelines, liquefied natural gas plants, and breakout tanks under Department of Transportation Pipeline and Hazardous Material Safety Administration jurisdiction (DOT 2024). A natural gas pipeline owned by PG&E was identified approximately 0.5 miles south of the gen-tie potion of the subject property (Appendix E). No accidents or incidents were identified within 1 mile of the subject property.

6.3.6 Solid Waste Information System

The California Department of Solid Waste Information Portal provides information on solid waste facilities, operations, and disposal sites throughout California. Dudek queried the California Recycle Information Portal database for landfills, transfer stations, composting sites, in-vessel digestion sites, engineered municipal solid waste conversion facilities, transformation facilities, and closed disposal sites or documentation for the subject property (CalRecycle 2024). The subject property was not identified in the CalRecycle database; no additional sites were identified within 1 mile of the subject property.

6.3.7 California Environmental Protection Agency Regulated Site Portal

Dudek reviewed the California Environmental Protection Agency (CalEPA) Regulated Site Portal, which contains data about environmentally regulated sites and facilities in California (CalEPA 2024). Data sources for the portal include the California Environmental Reporting System, the Department of Toxic Substances Control EnviroStor, the State Water Resources Control Board GeoTracker and California Integrated Water Quality System, and the Federal Toxics Release Inventory.

CalEPA sites are generally administrative in nature, identifying sites that have environmental permits or that handle hazardous materials or generate hazardous waste, but that do not necessarily have an uncontrolled release of hazardous substances to the environment.

The subject property was not identified in the CalEPA database. Two sites were identified within 1 mile of the subject property (CalEPA 2024).

PG&E Cortina Substation,5270 Walnut Drive, adjoins the gen-tie portion of the subject property to the north. The site was listed in the California Environmental Reporting System. The site is identified as a chemical storage facility. Chemicals stored at the substation are listed: sulfur Hexafluoride, propane, petroleum hydrocarbons, and batteries. The site had one evaluation with violations in January 2018, however an evaluation conducted in July 2023 listed no violations. The violation was administrative in nature (failure to submit a hazardous material inventory information) and did not document a release. Based on the administrative nature of the listing, this site is unlikely to have impacted the environmental conditions of the subject property.

Vann Brothers Farming,2290 East Camp Road, is 0.4 miles north of the gen-tie portion of the subject property. The site was listed in the aboveground petroleum storage, chemical storage facility, and hazardous waste generator regulatory programs. This site had three evaluations with violations. The violations include failure to establish a business plan for handling/storing hazardous materials and failure to conduct a waste tank assessment for the used oil tank. The facility returned to compliance in September 2022. The listings are administrative in nature and do not document a release. Based on the administrative nature of the listing, this site is unlikely to have impacted the environmental conditions of the subject property.

6.3.8 California Geologic Energy Management Division

Dudek reviewed the California Geologic Energy Management Division online database, which has information for known oil and gas wells in the state, for wells on or near the subject property. No wells were identified on the subject property. One well was found within 1 mile of the subject property (CalGEM 2024). The well is located approximately 0.25 miles east of the subject property and is plugged and abandoned.

7 Site Reconnaissance

A site reconnaissance of the subject property was conducted on April 25, 2024, by Jamie Schnieders of Dudek. The site reconnaissance consisted of driving and walking the subject property, recording observations, and taking photographs. Photographs are presented in Appendix F. Dudek was unaccompanied during the site reconnaissance.

7.1 Description of Subject Property and Surroundings

The subject property consists of an approximately 18-acre rectangular shaped area that makes up the main portion of the subject property and a proposed gen-tie line that extends west to a nearby data center. Access to the subject property is from Beauchamp Drive to the north (Photograph 1). At the time of the site reconnaissance, the subject property consisted of an almond orchard (Photograph 2). An agricultural irrigation ditch parallels the northern border of the subject property (Photograph 3). At the time of the site reconnaissance, no water was observed in the ditch. The gen-tie line portion of the subject property crosses the irrigation ditch, then follows Beachamp Drive from east to west (Photograph 4).

Overhead power transmission lines run along the northern boundary of the subject property east to west, along Beauchamp Drive (Photographs 3 and 4). Several pole-mounted transformers were observed along the transmission lines south of the gen-tie line (Photograph 3).

As observed during the site reconnaissance, the subject property is bordered by the following:

- To the north by the homestead of another walnut orchard (5283 Beauchamp Drive; Photograph 5)
- To the east and south by walnut orchards (Photographs 6 and 7)
- To the west by a residence and continued walnut orchard (5266 Beauchamp Drive; Photograph 8)

The main areas of interest noted during the site reconnaissance are described in the following section.

7.2 Summary of Observations

Wetlands and Natural Waterways

No wetlands or natural waterways were observed on the subject property during the site reconnaissance.

Surface Water Discharge

Surface water on the subject property would infiltrate the soil of the orchard; excess water would drain toward the irrigation ditch to the north.

Distressed Vegetation

No unnaturally distressed vegetation was observed on the subject property.

Indications of Solid Debris Storage

No indications of solid debris storage were observed on the subject property.

Chemical Storage or Use

No evidence of current chemical use or storage was observed on the subject property. Two approximately 1,000-gallon propane tanks were observed within a fenced area north of the gen-tie line (Photograph 9).

Transformers

Three pole-mounted transformers were observed along the overhead power transmission lines north of the subject property and along the gen-tie line (Photograph 3). No staining was visible at the base of the poles.

Unnaturally Discolored Ponds or Flowing Waters

No unnaturally discolored pools or flowing water were observed on the subject property.

Groundwater Wells, Cisterns, Cesspools, or Septic Tanks

No groundwater wells, cisterns, cesspools, or septic tanks were observed on the subject property.

Sumps or Ponds

No sumps or ponds were observed on the subject property.

Abnormal Odor

No abnormal odors were observed on the subject property.

Surface Staining and Soil Disturbances

No staining or soil disturbances, including de minimis stains, were observed during the site reconnaissance.

Storage Tanks

No evidence of underground storage tanks or aboveground storage tanks were observed on the subject property during the site reconnaissance. Two mobile poly tanks were observed on the north-adjoining property to the main portion of the subject property (Photograph 10).

Pipelines

Based on a review of the National Pipeline Mapping System online database, one natural gas pipeline runs northwest to southeast approximately 0.45 miles south of the gen-tie portion of the subject property (DOT 2024).

8 Site History

Based on a review of historical aerial photographs, historical topographic maps, agency records, and the city directory report, the subject property has been used for agricultural purposes from 1937 through present day. No buildings, past or present, have been identified on the subject property.

There are gaps in site history between 1907 and 1918, 1918 and 1937, 1937 and 1952, 1953 and 1973, 1977 and 1983, 1983 and 1998, and 1998 and 2006. This constitutes a data failure and is discussed further in Section 13.

Adjoining property uses have included a mix of orchards, farmland, rural residential properties, and an electrical substation. The surrounding properties also include a mix of canals, rural residential properties, and agricultural land.

8.1 Historical Aerial Photographs

Dudek reviewed historical aerial photographs obtained from EDR for 1937, 1952, 1973, 1977, 1983, 1998, 2006, 2009, 2012, 2016, and 2020 (Appendix G). Dudek also reviewed aerial photographs from Google Earth for 2024 (Google Earth 2024). The photographs provided background information to assess the possibility of past activities that could present environmental concerns. The aerial photographs are described Table 2.

Table 2. Aerial Photographs

Date	Subject Property	Adjoining and Surrounding Properties
1937	The subject property appears to be used for agricultural purposes with different crops on the northern and southern portions. A power transmission line crosses the gen-tie portion of the subject property.	Rural residential homes are located on the adjoining properties to the north and west. Power transmission lines and canals are observed on the western and southern surrounding areas. The surrounding and adjoining areas are farmlands. Nearby roads, Beauchamp Road and East Camp Road, are observed as dirt roads to the west.
1952	A pond is observed in the central part of the subject property. The crops on the subject property appear uniform. A second power transmission line passes through the gen-tie portion of the subject property.	An electrical substation is present to the north of the gen-tie portion of the subject property. Additional power transmission lines are parallel to the previously observed transmission lines. A canal previously observed to the west is no longer present. A small orchard is observed on the northern adjoining property.
1973	The pond is no longer present. The remaining portions of the subject property appear similar to the 1952 aerial photograph.	The surrounding and adjoining properties appear to remain cultivated for agricultural use. The substation has expanded to west. The remaining adjoining and surrounding properties appears similar to the 1952 aerial photograph.
1977	The subject property appears similar to the 1973 aerial photograph.	The adjoining and surrounding properties appear similar to the 1973 aerial photograph.

Table 2. Aerial Photographs

Date	Subject Property	Adjoining and Surrounding Properties
1983	The subject property appears similar to the 1977 aerial photograph.	The surrounding properties to the west remain cultivated for agricultural use but the crop patterns appear different. The remaining adjoining and surrounding properties appear similar to the 1977 aerial photograph.
1998	The subject property appears similar to the 1983 aerial photograph.	An irrigation pond is observed on the southern adjoining property. Additional public utility buildings have been built to the north, near the substation. The remaining adjoining and surrounding areas appear similar to the 1983 aerial photograph.
2006	The subject property appears similar to the 1998 aerial photograph.	Additional structures are built near the substation. The substation parcel appears to be fallow. The surrounding and adjoining properties remain cultivated for agricultural use but appear to be orchards.
2009	The subject property remains cultivated for agricultural use but has transitioned to orchards.	Additional dirt roads are observed near the substation. The remaining adjoining and surrounding properties appear similar to the 2006 aerial photograph.
2012	The subject property appears similar to the 2009 aerial photograph.	The adjoining and surrounding properties appear similar to the 2009 aerial photograph.
2016	The subject property appears similar to the 2012 aerial photograph.	Vegetation near the power transmission lines have been cleared or trimmed. The field to the south of the gen-tie line has been cleared. The remaining adjoining and surrounding areas appear similar to the 2012 aerial photograph.
2020	The subject property appears similar to the 2016 aerial photograph.	A new orchard has been planted on the previously cleared area to the south of the gen-tie line. Vegetation near the power transmission lines have been cleared. The remaining adjoining and surrounding areas appear similar to the 2016 aerial photograph.
2024	The subject property appears similar to the 2020 aerial photograph.	The adjoining and surrounding properties appear similar to the 2020 aerial photograph.

Note: See Appendix G for corresponding photographs for 1937 through 2020. The 2024 Google Earth photograph are available online and therefore is not included in Appendix G.

8.2 Historical Topographic Maps

Dudek reviewed historical topographic maps from 1907, 1918, 1952/1953, 1953, 1973, 2012, 2015, 2018, and 2021/2022 (Appendix B). The topographic maps are a historical source that can be used to document the prior use of the subject property and surrounding area. The topographic maps are described in Table 3.

Table 3. Topographic Maps

Date	Subject Property	Adjoining and Surrounding Properties
1907	The subject property is depicted as vacant and undeveloped land. A northwest to southeast trending power transmission line crosses the gen-tie portion of the subject property.	Present-day Walnut Road adjoins the subject property to the north. Several roads, intermittent streams, and structures are depicted on the adjoining and surrounding properties.
1918	The subject property is depicted similarly to the 1907 topographic map, except the power transmission is no longer depicted.	An intermittent stream to the southeast is labeled Fork Spring Creek. Walnut Road is depicted adjoining the gen-tie portion of the subject property; the eastern extent is no longer shown. The power transmission line is no longer depicted.
1952,1953	Three power transmission lines transect the gen-tie portion of the subject property. The remaining portions of the subject property are depicted similarly to the 1918 topographic map.	A light duty road (present-day Walnut Road) and a substation are depicted on the northern adjoining properties; the eastern extent of Walnut Drive is labeled as Beauchamp Drive. Sparse scattered structures are depicted in the surrounding area. Levees, a canal (labeled Glenn-Colusa Canal), orchards, a pipeline, and pumps and pump house are depicted on the northern surrounding properties. Orchards, wells, and buildings are depicted on the eastern and southern surrounding properties.
1953	The subject property is depicted similarly to the 1952/1953 topographic map.	The adjoining and surrounding properties appear similar to the 1952/1953 topographic map.
1973	The subject property is depicted similarly to the 1953 topographic map.	Additional orchards are depicted on the northern, eastern, and southern adjoining properties. The remaining adjoining and surrounding areas are similar to the 1953 topographic map.
2012	The subject property is depicted similarly to the 1973 topographic map.	Orchards, structures, and power transmission line are no longer depicted. Woodlands are depicted in the surrounding areas. A canal labeled Tehama Colusa Canal is depicted to the southwest. Some intermittent streams are now depicted as perennial streams.
2015	The subject property is depicted similarly to the 2012 topographic map.	The adjoining and surrounding areas appear similar to the 2012 topographic map, aside from less woodland areas are shown.
2018	The subject property is depicted similarly to the 2015 topographic map.	The adjoining and surrounding areas appear similar to the 2015 topographic map.
2021, 2022	The subject property is depicted similarly to the 2018 topographic map.	The adjoining and surrounding areas appear similar to the 2018 topographic map.

Note: See Appendix B for corresponding maps.

8.3 Fire Insurance Maps

Historical Sanborn fire insurance maps were requested from EDR. Sanborn maps provide information regarding historical uses of a subject property and surrounding properties. Sanborn maps typically exist for cities with populations of 2,000 or more; the coverage is dependent on the location of the subject property within city limits.

The Sanborn Map Report lists the subject property as an unmapped property; no additional information was included in the report. The Sanborn Map Report is provided in Appendix H.

8.4 City Directory

City directory listings were requested from EDR (Appendix I). The city directory search was conducted for subject property, and the adjoining properties on Walnut Drive. No addresses were listed for the subject property. Listings for Walnut Drive adjoining to the north of the subject property were reported as rural residential and agriculture (e.g., orchard farms) from 1992 through 2020.

9 Previous Environmental Site Assessments

No previous Environmental Site Assessments were provided to Dudek during this Phase I ESA.

10 Vapor Encroachment

Dudek evaluated vapor encroachment to determine whether there is a potential for vapors originating from contaminated soil and/or groundwater to occur in the subsurface below the existing and potential future on-site structures. Information obtained from other sources (geologic and hydrogeological information, site reconnaissance, local regulatory agency responses), as discussed in this report, was also considered. The VEC assessment was conducted in accordance with ASTM Standard E2600-22 (ASTM 2022). The EDR Radius Map Report (Appendix C) was used to evaluate listed contaminated sites as identified in federal, state, and local databases. A VEC assessment report is provided in Appendix J.

No sites were identified as having groundwater contamination or soil vapor contamination that could impact the subject property; as such, no VEC was identified.

11 Non-ASTM Considerations

This chapter discusses non-ASTM scope considerations that were included in this Phase I ESA based on conditions of the subject property. These items are not required to be evaluated per the ASTM standard but may still pose environmental health and safety risks.

Asbestos

Asbestos has been specifically designated a hazardous substance pursuant to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 102 (42 USC 9602), but abatement costs are generally not recoverable under CERCLA. Many building materials commonly contained asbestos until the late 1970s, and a smaller list of building materials contained asbestos in the 1980s, such as drywall, joint compounds, vinyl flooring, roofing, asbestos-cement products, and stucco. Under the Toxic Substances Control Act, the U.S. Environmental Protection Agency banned the use of asbestos in many products, with partial bans occurring in 1989 and 1993. However, a full ban of asbestos products did not occur until 2019. Therefore, if a building was constructed prior to 1989, there is a likely chance it contains asbestos. If it was constructed between 1989 and 2019, it is less likely asbestos is present, but there is still a chance that asbestos was used.

No permanent structures were identified on the subject property; therefore, it is not likely that asbestos is present on the subject property.

Lead-Based Paint

Paint manufacturers frequently used lead as a primary paint ingredient through the 1940s, and gradually decreased its use in the 1950s and 1960s. The federal department of Housing and Urban Development estimates 75% of homes built in the United States before 1978 contain some lead-based paint (HUD 1996). The Consumer Product Safety Commission prohibited the use of lead-based paints in residential buildings in 1978 (EPA 2023), but the use of lead-based paints in commercial and industrial buildings is not prohibited. California Code of Regulations Title 17, Section 35043 defines presumed lead-based paint as “paint or surface coating affixed to a component in or on a structure, excluding paint or surface coating affixed to a … residential dwelling constructed on or after January 1, 1979, or a school constructed on or after January 1, 1993.” Commercial, industrial, and military structures may have lead-based paint in surface coatings, regardless of construction date.

No permanent structures were identified on the subject property; therefore, it is not likely that lead-based paint is present on the subject property.

Radon

Radon is a radioactive gas that is produced from the natural decay of uranium, radium, and thorium in soil, rock, and groundwater (WHO 2023). When radon becomes trapped in buildings and concentrations accumulate, exposure to radon can be a concern. The Federal Radon Action Level is 4 picocuries per liter (pCi/L) (EPA n.d.a).

The EDR Report presents radon test results for the vicinity of the subject property. One site in Colusa County was evaluated. The radon concentration at this site averaged 0.55 pCi/L in the First Floor Living Area. The U.S. Environmental Protection Agency Radon Zone for Colusa County is 3 (EPA n.d.b), which corresponds with indoor average expected radon levels of less than 2 pCi/L.

12 Findings and Conclusions

Information gathered for this report indicated the following:

- The subject property has been used for agricultural purposes since at least 1937. An almond orchard was planted on the subject property in 2006.
- No buildings have been built on the subject property.
- An electrical substation adjoins the gen-tie portion of the subject property to the north.
- Remaining adjoining and surrounding properties include a mix of rural residential housing, orchards, and power transmission lines.

This assessment did not reveal evidence of RECs, historical RECS, controlled RECs, VECs, or significant data gaps in connection with the subject property. Based on the findings of this Phase I ESA, Dudek does not have any recommendations for additional investigation.

Dudek performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E2247-16. Any exceptions to, or deletions from, this practice are described in Section 13 of this report.

13 Limitations

13.1 Data Gaps and Data Failures

As defined in ASTM Standard E2247-16, a data failure is a failure to achieve the historical research objective required by the ASTM standard even after reviewing the standard historical resources that are reasonably ascertainable and likely to be useful. A data failure is a type of data gap.

The following data failure was identified for this Phase I ESA:

- Historical resources were not available between 1907 and 1918, 1918 and 1937, 1937 and 1952, 1953 and 1973, 1977 and 1983, 1983 and 1998, and 1998 and 2006, which is greater than the 5-year interval required by the ASTM Standard. This constitutes a data failure.

As defined in ASTM Standard E2247-16, a data gap is the lack of or inability to obtain information required by this practice despite good faith efforts. A data gap is considered significant when it affects the ability of the environmental professional to identify RECs.

The following data gap was identified during preparation of this Phase I ESA:

- Gaps greater than the 5-year interval required by the ASTM standard were identified in historical resources. Based on the site history, available historical and regulatory information, and present-day use, this data gap does not limit the ability to determine RECs and is therefore considered less than significant.

Should Dudek receive information following submission of this Phase I ESA report that resolves the data gap and changes the findings of the Phase I ESA report, Dudek will submit the findings to the user in an addendum.

13.2 Report Limitations

The findings and conclusions presented in this report are professional opinions based solely on the indicated data described in this report, visual observations of the subject property and vicinity, and our interpretation of the available historical information and documents reviewed. Dudek makes no warranty as to the accuracy of statements made by others or the accuracy of information included in documentation reviewed in connection with this study. This study was not intended to be a definitive investigation of potential contamination at the subject property, and the recommendations do not necessarily include all conditions that may be present. It is possible that conditions or contamination exist at the subject property that have not been previously identified or that are not identified in this Phase I ESA.

No warranties or guarantees or representations, expressed or implied, are made by Dudek, except for the representation that this report has been prepared in accordance with current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professionals performing the same or similar services in the same or similar locality. The conclusions are intended exclusively for the purpose outlined herein and may not be suitable for, or relied upon, by others, and any use of this document is at the sole risk of said user.

In accordance with ASTM Standard E2247-16, this Phase I ESA is valid for 180 days. After 180 days, this report, or the information presented in this report, is no longer valid and must be updated or revised, as appropriate.

14 References

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EPA. n.d.b. "California – EPA Map of Radon Zones." Accessed May 15, 2024. https://www.epa.gov/sites/default/files/2014-08/documents/california.pdf.

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Appendix A

Qualifications of Environmental Professionals

Environmental Professional	Professional License	Degree(s)	Years' Experience	Task Performed
Susan Smith	Professional Geologist, State of California	B.S., Geological Sciences, California State University, Fullerton	20	Report Review, QA/QC
Sharllyn Pimentel	--	M.S., Hydrology, New Mexico Institute of Mining and Technology B.S., Geology, Georgia State University	2	Report Preparation
Jamie Schnieders	-	M.S., Environmental Science, California State University Monterey Bay	2	Site Reconnaissance

Appendix B
Historical Topographic Maps

Saloon BESS

Not Reported

Williams, CA 95987

Inquiry Number: 7627030.4

April 17, 2024

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/17/24

Site Name:

Saloon BESS
Not Reported
Williams, CA 95987
EDR Inquiry # 7627030.4

Client Name:

DUDEK
605 Third Street
Encinitas, CA 92024
Contact: Cheyenne Graves

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by DUDEK were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 13993.39
Project: Saloon BESS

Coordinates:

Latitude:	39.118087 39° 7' 5" North
Longitude:	-122.2137 -122° 12' 49" West
UTM Zone:	Zone 10 North
UTM X Meters:	567974.22
UTM Y Meters:	4330175.24
Elevation:	144.00' above sea level

Maps Provided:

2022, 2021	1907
2018	
2015	
2012	
1973	
1953	
1952, 1953	
1918	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2022, 2021 Source Sheets



Williams
2022
7.5-minute, 24000



Cortina Creek
2021
7.5-minute, 24000

2018 Source Sheets



Cortina Creek
2018
7.5-minute, 24000



Williams
2018
7.5-minute, 24000

2015 Source Sheets



Cortina Creek
2015
7.5-minute, 24000



Williams
2015
7.5-minute, 24000

2012 Source Sheets



Cortina Creek
2012
7.5-minute, 24000



Williams
2012
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets



Cortina Creek
1973
7.5-minute, 24000
Aerial Photo Revised 1973



Williams
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1953 Source Sheets



Colusa
1953
15-minute, 62500
Aerial Photo Revised 1949

1952, 1953 Source Sheets



Williams
1952
7.5-minute, 24000
Aerial Photo Revised 1949



Cortina Creek
1953
7.5-minute, 24000
Aerial Photo Revised 1949

1918 Source Sheets



Spring Valley
1918
7.5-minute, 31680



Williams
1918
7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

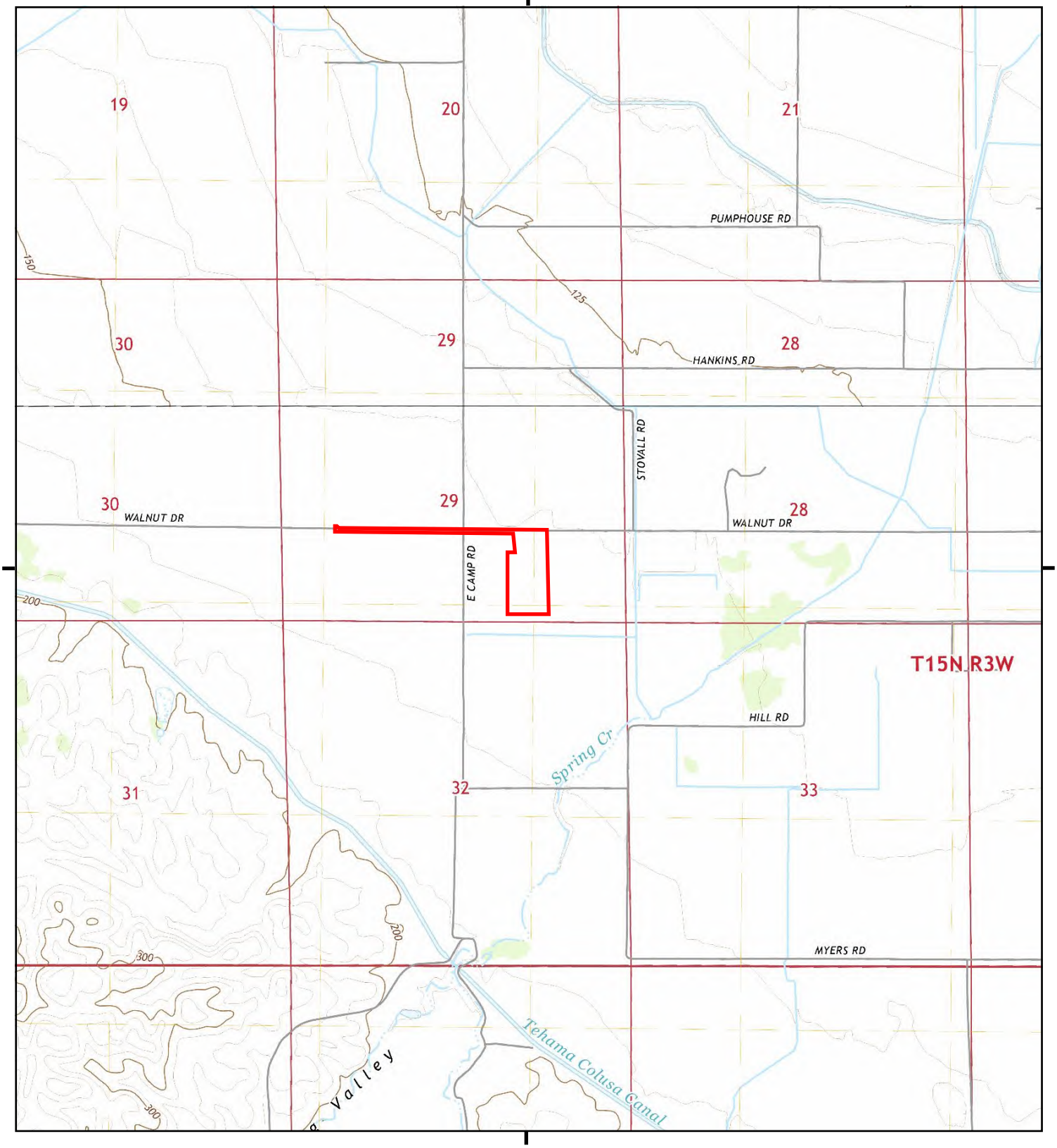
1907 Source Sheets



Colusa
1907
15-minute, 62500

Historical Topo Map

2022, 2021



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

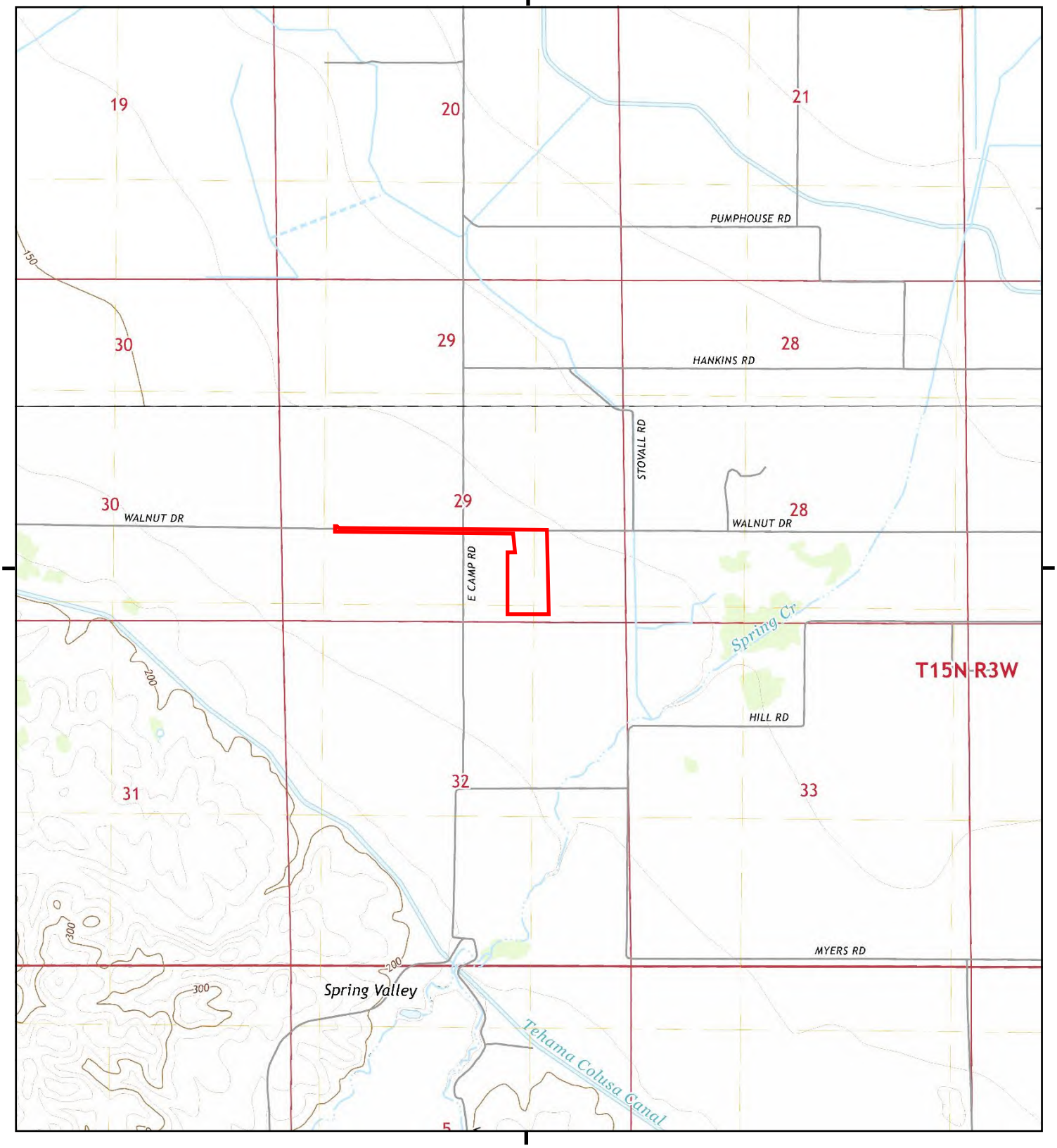
TP, Cortina Creek, 2021, 7.5-minute
N, Williams, 2022, 7.5-minute

SITE NAME: Saloon BESS
ADDRESS: Not Reported
Williams, CA 95987
CLIENT: DUDEK

N

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

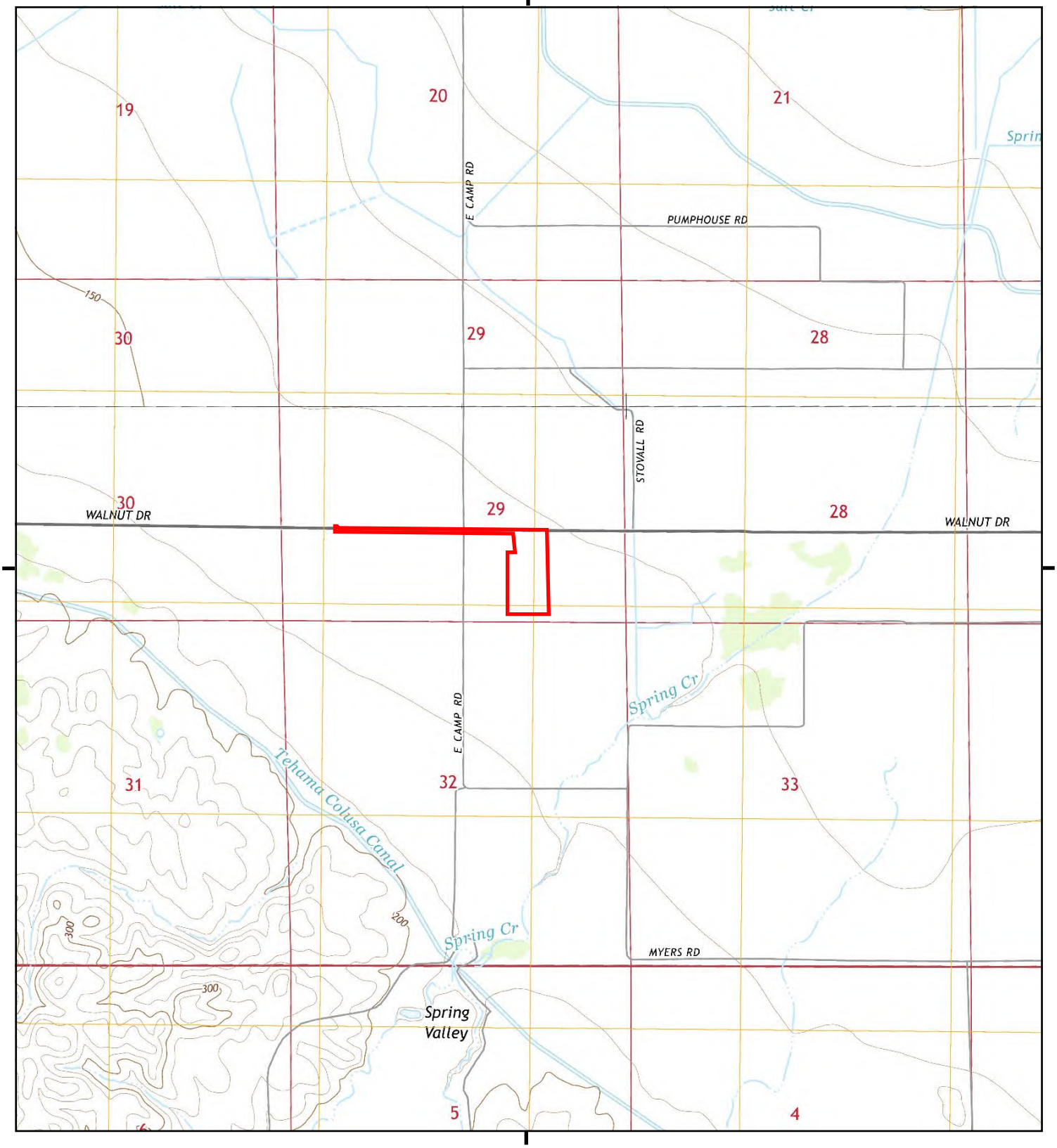
TP, Cortina Creek, 2018, 7.5-minute
N, Williams, 2018, 7.5-minute

SITE NAME: Saloon BESS
ADDRESS: Not Reported
Williams, CA 95987
CLIENT: DUDEK

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

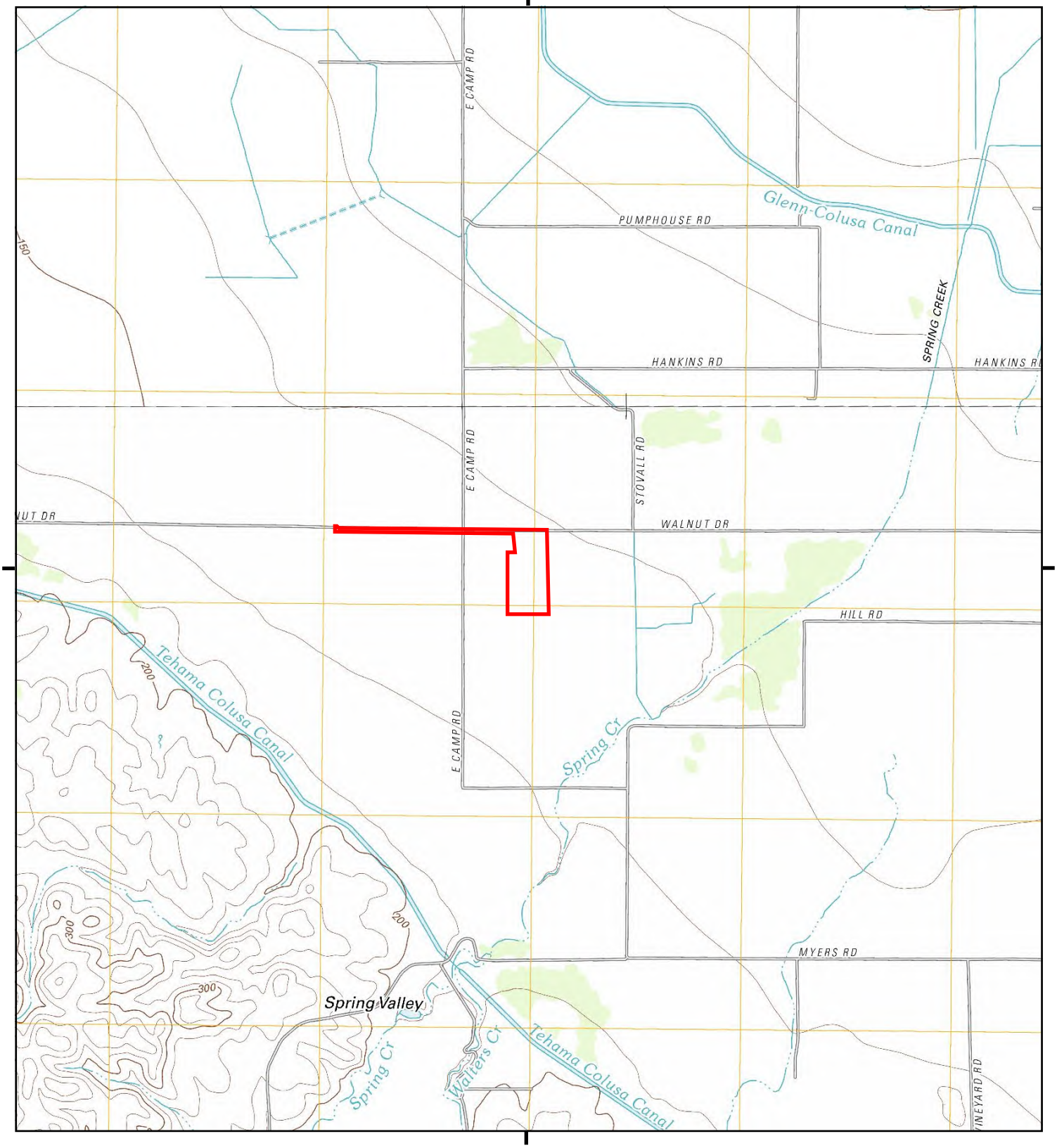
TP, Cortina Creek, 2015, 7.5-minute
N, Williams, 2015, 7.5-minute

SITE NAME: Saloon BESS
ADDRESS: Not Reported
Williams, CA 95987
CLIENT: DUDEK

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

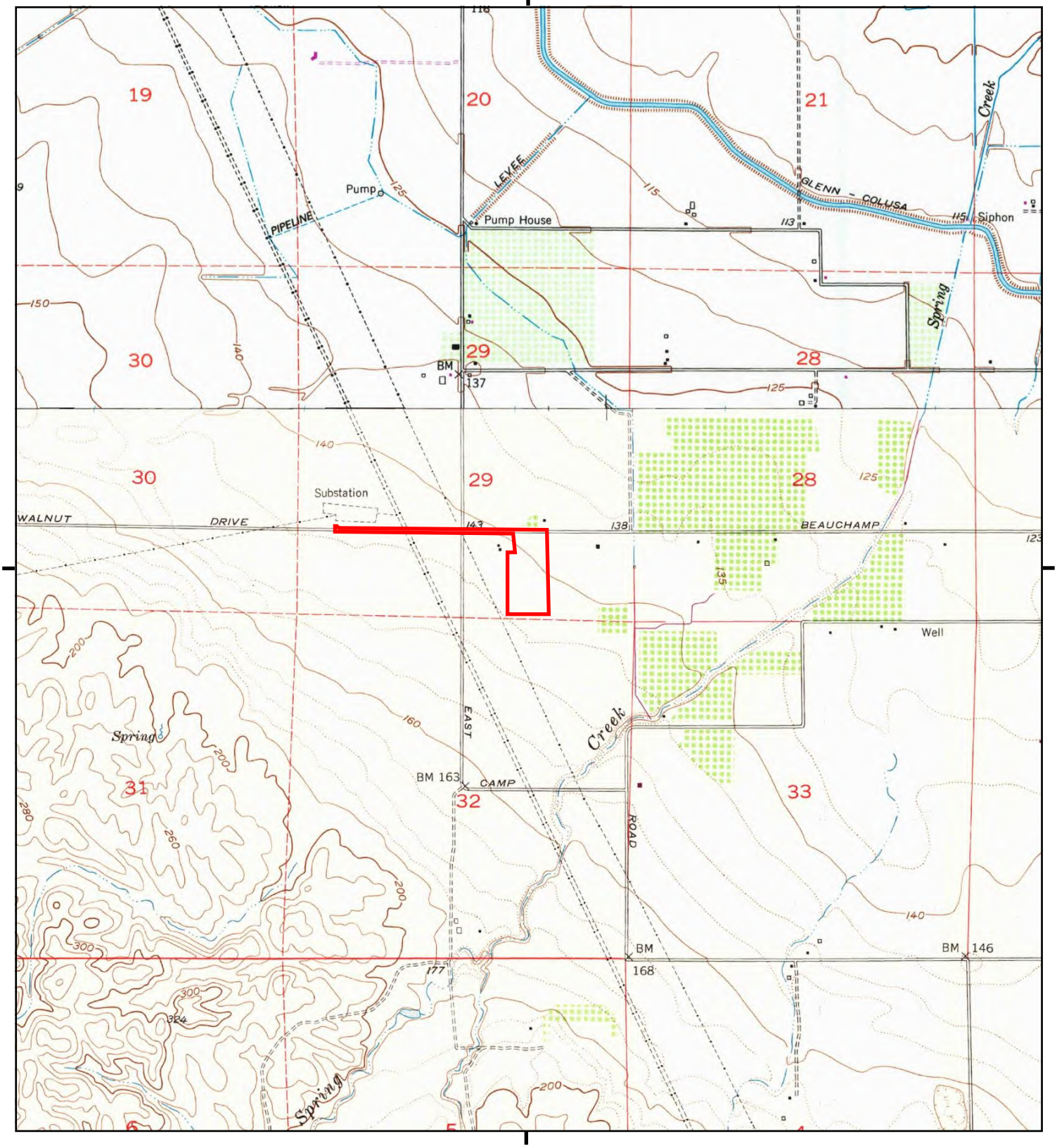
TP, Cortina Creek, 2012, 7.5-minute
N, Williams, 2012, 7.5-minute

SITE NAME: Saloon BESS
ADDRESS: Not Reported
Williams, CA 95987
CLIENT: DUDEK

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

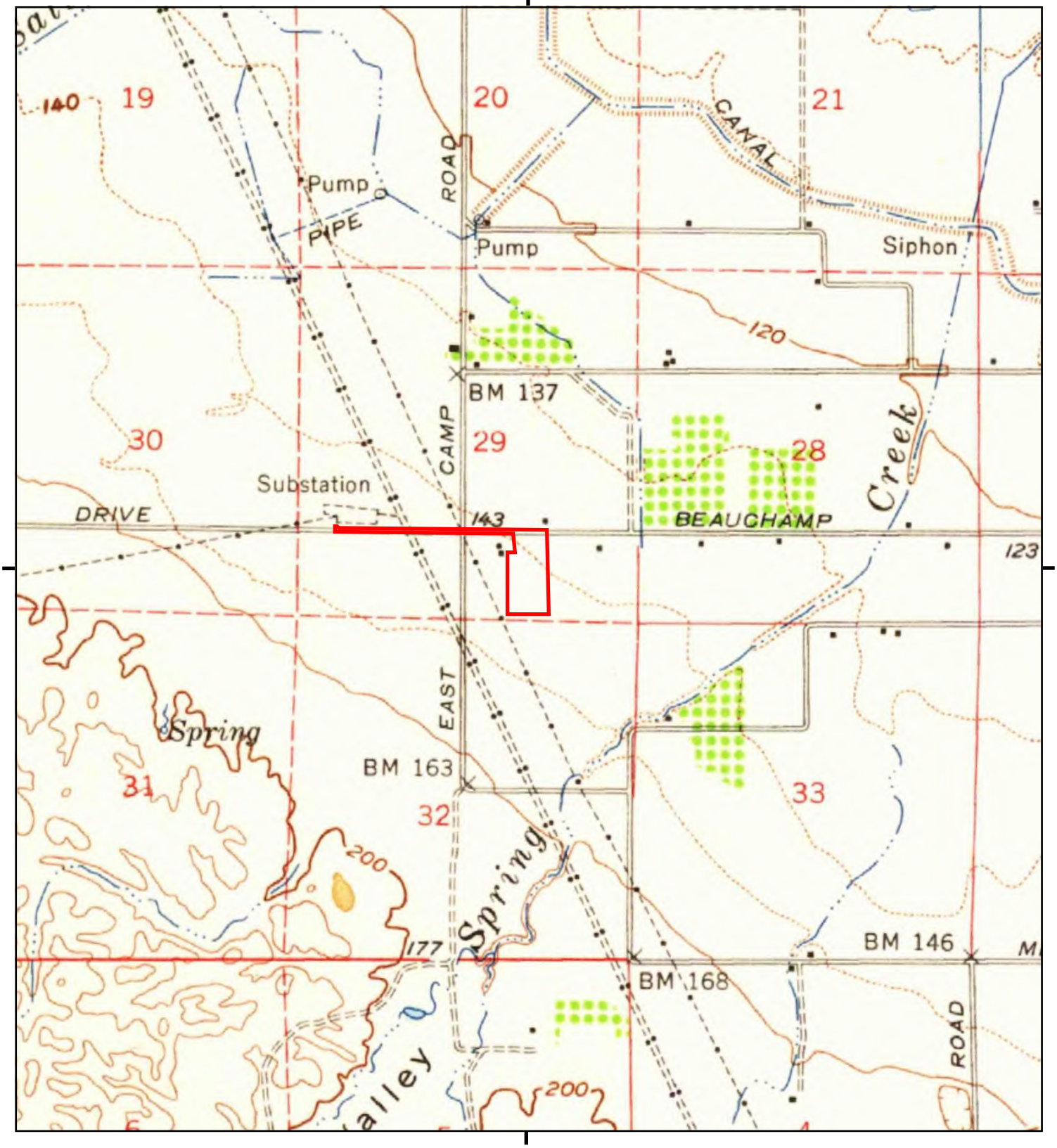
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cortina Creek, 1973, 7.5-minute
N, Williams, 1973, 7.5-minute

SITE NAME: Saloon BESS
ADDRESS: Not Reported
Williams, CA 95987
CLIENT: DUDEK

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

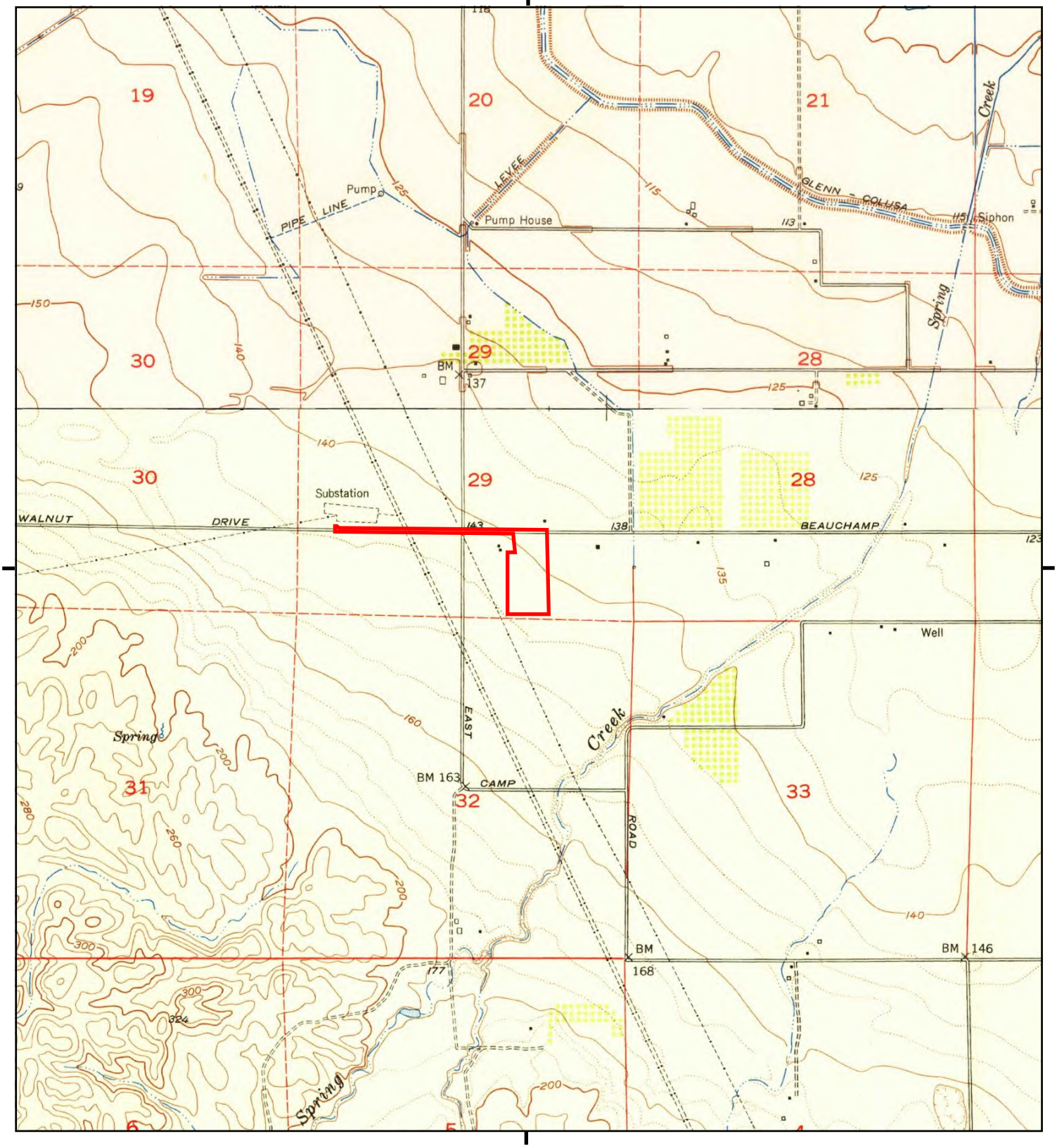
TP, Colusa, 1953, 15-minute

SITE NAME: Saloon BESS
ADDRESS: Not Reported
Williams, CA 95987
CLIENT: DUDEK

N

Historical Topo Map

1952, 1953



This report includes information from the following map sheet(s).

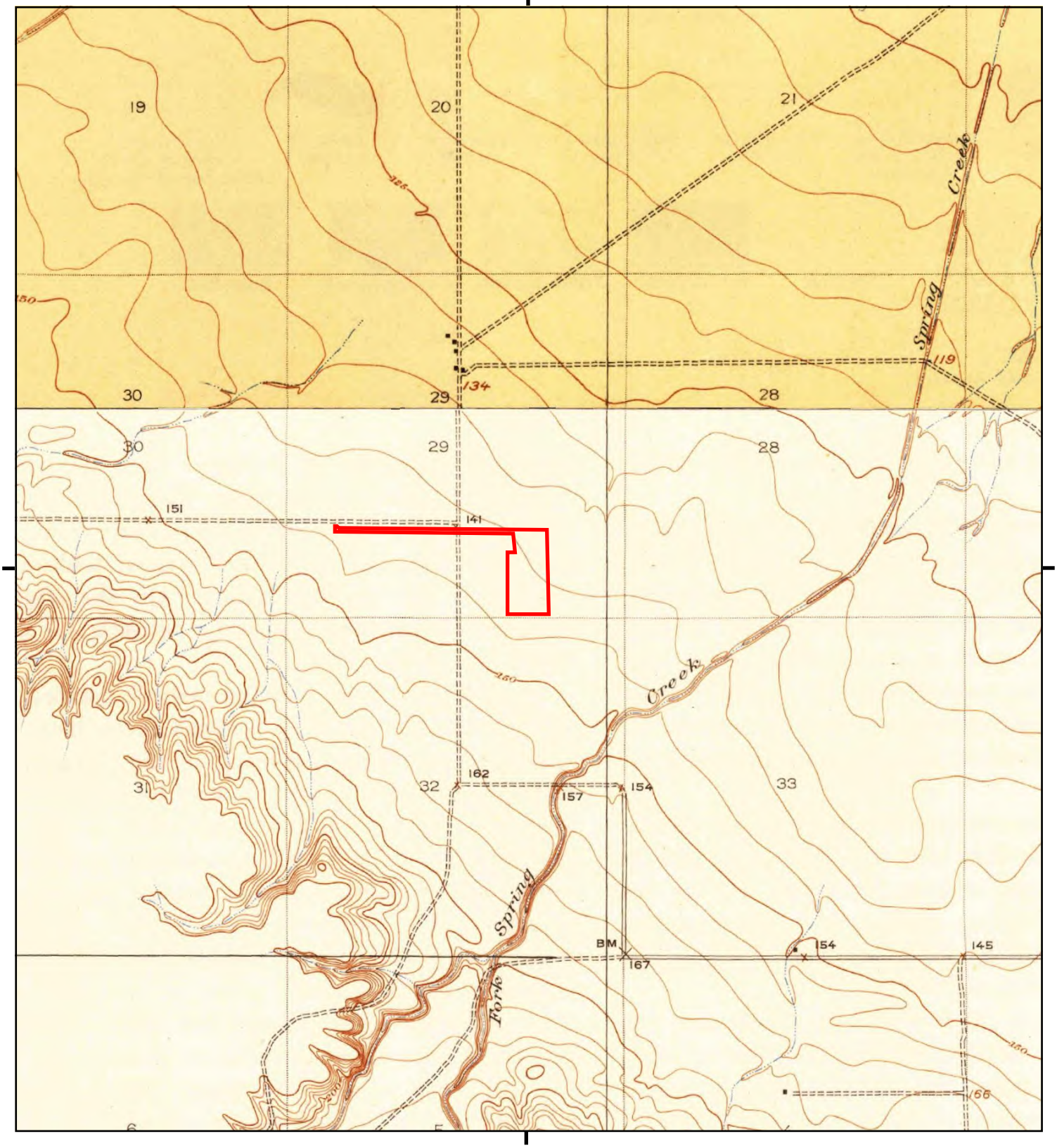
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cortina Creek, 1953, 7.5-minute
N, Williams, 1952, 7.5-minute

SITE NAME: Saloon BESS
ADDRESS: Not Reported
Williams, CA 95987
CLIENT: DUDEK

N



This report includes information from the following map sheet(s).

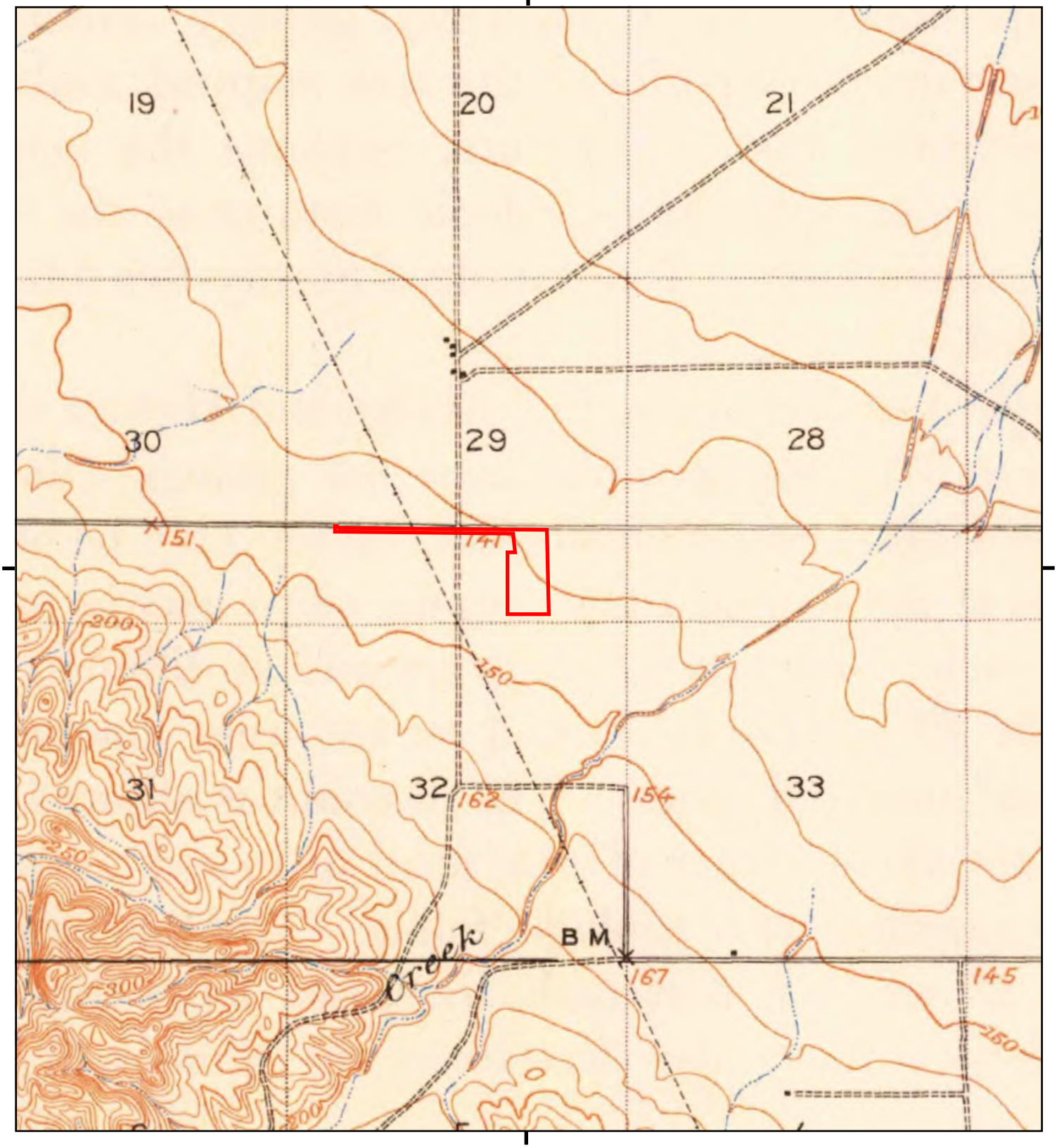
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Spring Valley, 1918, 7.5-minute
N, Williams, 1918, 7.5-minute

SITE NAME: Saloon BESS
ADDRESS: Not Reported
Williams, CA 95987
CLIENT: DUDEK

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Colusa, 1907, 15-minute

SITE NAME: Saloon BESS
ADDRESS: Not Reported
Williams, CA 95987
CLIENT: DUDEK

N

Appendix C
EDR Radius Map Report

Saloon BESS
Not Reported
Williams, CA 95987

Inquiry Number: 7627030.2s
April 17, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
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Orphan Summary	12
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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
WILLIAMS, CA 95987

COORDINATES

Latitude (North):	39.1180870 - 39° 7' 5.11''
Longitude (West):	122.2137000 - 122° 12' 49.32''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	567975.9
UTM Y (Meters):	4329967.0
Elevation:	144 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50005038 CORTINA CREEK, CA
Version Date:	2021
North Map:	50006018 WILLIAMS, CA
Version Date:	2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200710
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
WILLIAMS, CA 95987

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	1X CORTINA SUBSTATIO	WALNUT RD & EAST CAM	HWTS, HAZNET	Higher	1 ft.
A2	MCI DBA VERIZON BUSI	5217 WALNUT DR	CUPA Listings	Higher	47, 0.009, WNW
A3	PG&E CORTINA SUBSTAT	5217 WALNUT DRIVE, M	AST	Higher	47, 0.009, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ..... State Response Sites

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR ..... EnviroStor Database

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ..... Solid Waste Information System

Lists of state and tribal leaking storage tanks

LUST ..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
UST ..... Active UST Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ..... Waste Management Unit Database
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS - Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL - Delisted National Clandestine Laboratory Register
HIST Cal-Sites - Historical Calsites Database
SCH - School Property Evaluation Program
CDL - Clandestine Drug Labs
CERS HAZ WASTE - California Environmental Reporting System Hazardous Waste
Toxic Pits - Toxic Pits Cleanup Act Sites
US CDL - National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST - SWEEPS UST Listing
HIST UST - Hazardous Substance Storage Container Database
CA FID UST - Facility Inventory Database
CERS TANKS - California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS - Environmental Liens Listing
LIENS 2 - CERCLA Lien Information
DEED - Deed Restriction Listing

Records of Emergency Release Reports

HMIRS - Hazardous Materials Information Reporting System
CHMIRS - California Hazardous Material Incident Report System
LDS - Land Disposal Sites Listing
MCS - Military Cleanup Sites Listing
SPILLS 90 - SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR - RCRA - Non Generators / No Longer Regulated
FUDS - Formerly Used Defense Sites
DOD - Department of Defense Sites
SCRD DRYCLEANERS - State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR - Financial Assurance Information
EPA WATCH LIST - EPA WATCH LIST
2020 COR ACTION - 2020 Corrective Action Program List
TSCA - Toxic Substances Control Act
TRIS - Toxic Chemical Release Inventory System
SSTS - Section 7 Tracking Systems
ROD - Records Of Decision
RMP - Risk Management Plans
RAATS - RCRA Administrative Action Tracking System
PRP - Potentially Responsible Parties
PADS - PCB Activity Database System
ICIS - Integrated Compliance Information System
FTTS - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS - Material Licensing Tracking System
COAL ASH DOE - Steam-Electric Plant Operation Data

EXECUTIVE SUMMARY

COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CHROME PLATING	Chrome Plating Facilities Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	Inspection, Compliance and Enforcement
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
HAZMAT	Hazardous Material Facilities
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing

WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
CIWQS California Integrated Water Quality System
CERS CERS
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
UST FINDER UST Finder Database
UST FINDER RELEASE UST Finder Releases Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Auto EDR Exclusive Historical Auto Stations
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal registered storage tanks

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within

approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PG&E CORTINA SUBSTAT	5217 WALNUT DRIVE, M	WNW 0 - 1/8 (0.009 mi.)	A3	10
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there is 1 CUPA Listings site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MCI DBA VERIZON BUSI	5217 WALNUT DR	WNW 0 - 1/8 (0.009 mi.)	A2	10
Database: CUPA COLUSA, Date of Government Version: 04/06/2020				
Facility ID: FA0000468				
Facility ID: FA0000485				

HWTS: DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

A review of the HWTS list, as provided by EDR, and dated 10/26/2023 has revealed that there is 1 HWTS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
1X CORTINA SUBSTATIO	***WALNUT RD & EAST CAM***	***0 - 1/8 (0.000 mi.)***	***1***	***9***

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2023 has revealed that there is 1 HAZNET site within approximately 0.001 miles of the target property.

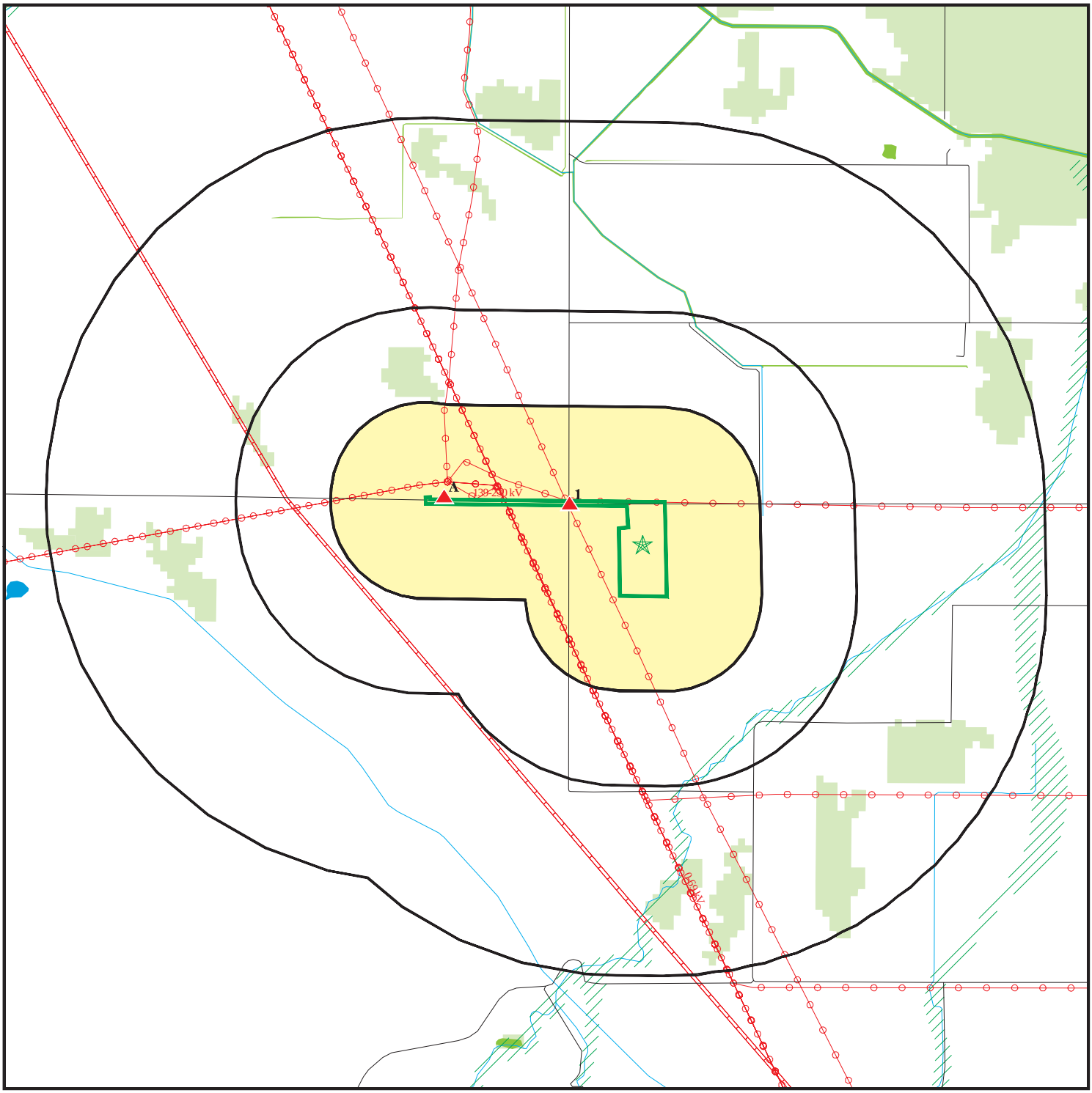
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
1X CORTINA SUBSTATIO	***WALNUT RD & EAST CAM***	***0 - 1/8 (0.000 mi.)***	***1***	***9***
GEPAID: CAD981422660				

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
CALDWELL FLYING SERVICE	ENVIROSTOR

OVERVIEW MAP - 7627030.2S



Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
National Priority List Sites
Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA
Power transmission lines
Pipelines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

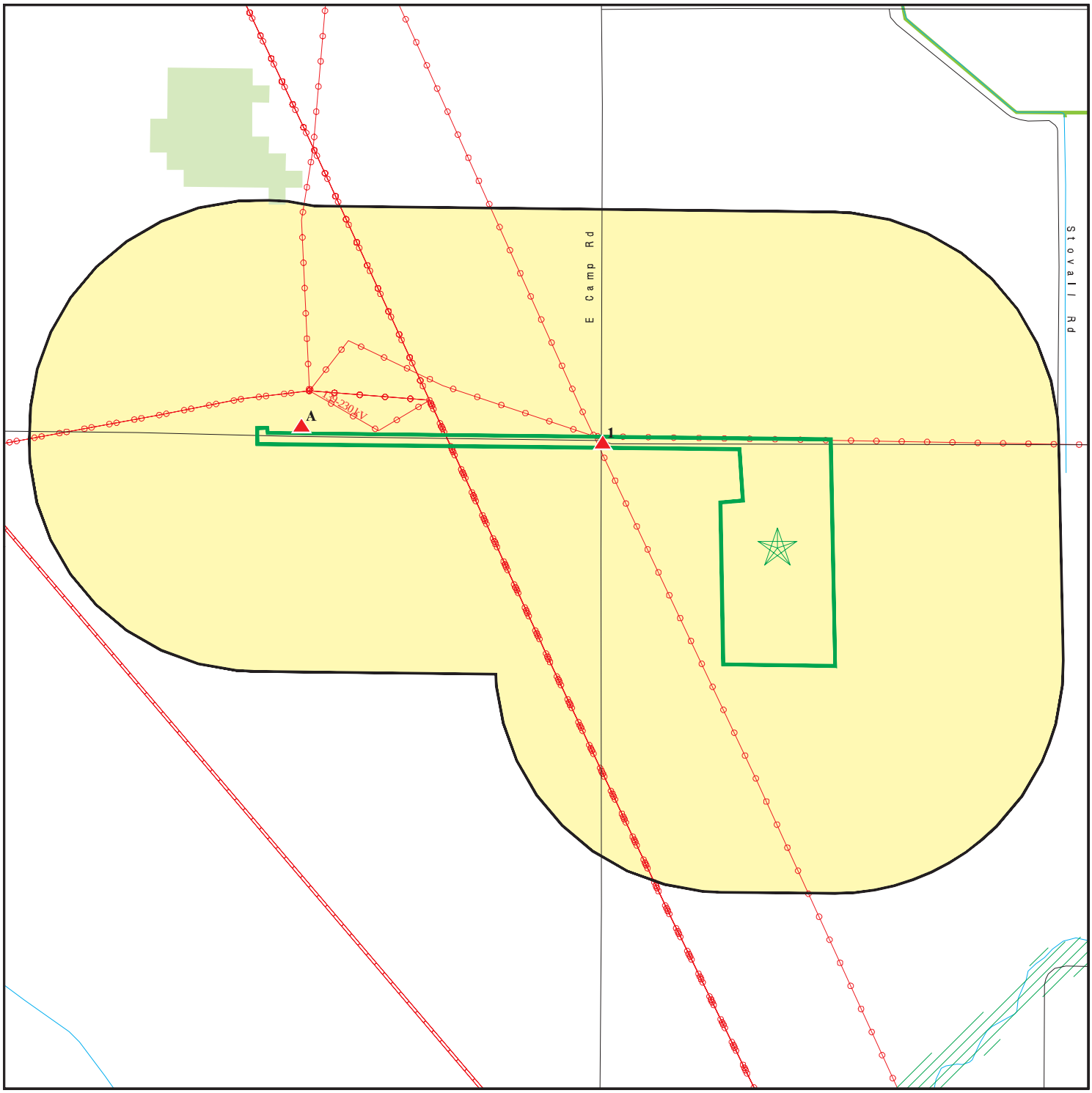
Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Saloon BESS	CLIENT: DUDEK
ADDRESS: Not Reported Williams CA 95987	CONTACT: Cheyenne Graves
LAT/LONG: 39.118087 / 122.2137	INQUIRY #: 7627030.2s DATE: April 17, 2024 4:16 pm

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DETAIL MAP - 7627030.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Saloon BESS	CLIENT: DUDEK
ADDRESS: Not Reported	CONTACT: Cheyenne Graves
Williams CA 95987	INQUIRY #: 7627030.2s
LAT/LONG: 39.118087 / 122.2137	DATE: April 17, 2024 4:19 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CHROME PLATING	0.500		0	0	0	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		1	0	NR	NR	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWTS	0.001		1	NR	NR	NR	NR	1
HAZNET	0.001		1	NR	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	4	0	0	0	0	4

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 **1X CORTINA SUBSTATION** **HWTS** **S123756134**
WALNUT RD & EAST CAMP RD **HAZNET** **N/A**
< 1/8 **WILLIAMS, CA 95901**
1 ft.

Relative:
Higher

Actual:
144 ft.

HWTS:

Name:	1X CORTINA SUBSTATION
Address:	WALNUT RD & EAST CAMP RD
Address 2:	Not reported
City,State,Zip:	WILLIAMS, CA 95901
EPA ID:	CAD981422660
Inactive Date:	01/01/1991
Create Date:	07/16/1986
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	Not reported
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MARYSVILLE, CA 959010000
Owner Name:	PACIFIC GAS & ELECTRIC
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	CLYDE LITCHFIELD
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	39.119733
Longitude:	-122.217273

HAZNET:

Name:	1X CORTINA SUBSTATION
Address:	WALNUT RD & EAST CAMP RD
Address 2:	Not reported
City,State,Zip:	WILLIAMS, CA 959010000
Contact:	CLYDE LITCHFIELD
Telephone:	9167431027
Mailing Name:	Not reported
Mailing Address:	--
Year:	1988
Gepaid:	CAD981422660
TSD EPA ID:	CAD980695761
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H01 - Transfer Station
Tons:	2.9148

A2 **MCI DBA VERIZON BUSINESS** **CUPA Listings** **S106087537**
WNW **5217 WALNUT DR** **N/A**
< 1/8 **WILLIAMS, CA**
0.009 mi.
47 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
150 ft.

CUPA COLUSA:

Name:	PG&E CORTINA SUBSTATION
Address:	5217 WALNUT DR
City,State,Zip:	WILLIAMS, CA
Program/Element:	Business Plan Facility
Billing Status:	ACTIVE, BILLABLE
Program/Element Description:	HMRRP PLAN - ANNUAL
Record ID:	PR0000820
Program Identifier:	BUS PLAN
Permit Number:	Not reported
Last Activity Date:	06/28/2013
Current Inspection Date:	09/08/2013

Name:	MCI DBA VERIZON BUSINESS
Address:	5217 WALNUT DR
City,State,Zip:	WILLIAMS, CA
Program/Element:	Business Plan Facility
Billing Status:	ACTIVE, BILLABLE
Program/Element Description:	HMRRP PLAN - ANNUAL
Record ID:	PR0000802
Program Identifier:	BUS PLAN
Permit Number:	Not reported
Last Activity Date:	02/16/2011
Current Inspection Date:	Not reported

A3 **PG&E CORTINA SUBSTATION** **AST** **A100423316**
WNW **5217 WALNUT DRIVE, MILE WEST OF EAST CAMP ROAD** **N/A**
< 1/8 **WILLIAMS, CA 95987**
0.009 mi.
47 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
150 ft.

AST:

Name:	PG&E CORTINA SUBSTATION
Address:	5217 WALNUT DRIVE, MILE WEST OF EAST CAMP ROAD
City/Zip:	WILLIAMS,95987
Certified Unified Program Agencies:	Not reported
Owner:	Pacific Gas & Electric Company
Total Gallons:	Not reported
CERSID:	10137010
Facility ID:	Not reported
Business Name:	PG&E
Phone:	None
Fax:	(530) 634-6505
Mailing Address:	PO Box 7640
Mailing Address City:	San Francisco
Mailing Address State:	CA
Mailing Address Zip Code:	94120
Operator Name:	Pacific Gas & Electric Company
Operator Phone:	(707) 452-1963
Owner Phone:	(415) 973-7000
Owner Mail Address:	c/o Environmental Services, 3401 Crow Canyon Road
Owner State:	CA
Owner Zip Code:	94583
Owner Country:	United States

PG&E CORTINA SUBSTATION (Continued) **A100423316**

Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WILLIAMS	S116165345	CALDWELL FLYING SERVICE	HANKINS ROAD WEST OF DAVIS	95987	ENVIROSTOR

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/26/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/23/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/23/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 02/05/2024
Number of Days to Update: 90

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 89

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/23/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/13/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 03/07/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 04/04/2024
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 04/15/2024
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/23/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 12/18/2023
Number of Days to Update: 81

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78
Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83
Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/21/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/26/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/22/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/15/2024
Number of Days to Update: 85

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 77

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 84

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/14/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information
EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information
Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI
Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 11/30/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/26/2024
Number of Days to Update: 88

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 11/30/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHROME PLATING: Chrome Plating Facilities Listing

This listing represents chrome plating facilities the California State Water Resources Control Board staff identified as possibly being a source of Per- and polyfluoroalkyl substance (PFAS) contamination. Sites and locations were identified by staff with the Division of Water Quality in the California State Water Board. Data was collected from the CA Air Resources Board 2013 and 2018 - Cr VI emission survey, CA Emission Inventory, CA HAZ Waste discharge database and by reviewing storm water permits. Former chrome plating sites are also included that are open site investigation or remediation cases with the Regional Water Quality Control Boards and the Department of Toxic Substances Control.

Date of Government Version: 11/30/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/13/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 03/07/2024
Number of Days to Update: 85

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468

Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 01/08/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77

Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 01/05/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77

Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77
Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 10/18/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 90
Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88
Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 03/19/2024
Date Data Arrived at EDR: 03/21/2024
Date Made Active in Reports: 04/12/2024
Number of Days to Update: 22
Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/02/2024
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 04/15/2024
Number of Days to Update: 10
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Annually

DRYCLEAN GRANT: Grant Recipients List
Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/26/2024
Date Made Active in Reports: 04/16/2024
Number of Days to Update: 81
Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/05/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 75

Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/05/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 75

Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 76
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89
Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 77
Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432
Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412
Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/14/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/12/2024
Number of Days to Update: 88
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 02/08/2024
Number of Days to Update: 23
Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/21/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/26/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77
Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 06/09/2023
Date Made Active in Reports: 08/30/2023
Number of Days to Update: 82
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/14/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/11/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 0

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/07/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 0

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/07/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 10/26/2023
Date Data Arrived at EDR: 10/27/2023
Date Made Active in Reports: 01/29/2024
Number of Days to Update: 94

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 02/05/2024
Number of Days to Update: 90

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/22/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/06/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing

Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 90

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/22/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 78
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 12/26/2023
Date Made Active in Reports: 03/19/2024
Number of Days to Update: 84

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/18/2023
Date Data Arrived at EDR: 12/18/2023
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 86

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/19/2024
Date Data Arrived at EDR: 01/24/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 76

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 10/25/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/05/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 76

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 20

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 03/26/2024
Number of Days to Update: 68

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 01/10/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 77

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/09/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/13/2023
Date Data Arrived at EDR: 07/13/2023
Date Made Active in Reports: 09/27/2023
Number of Days to Update: 76

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 12/14/2023
Number of Days to Update: 1

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 03/07/2024
Number of Days to Update: 85
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 10/17/2023
Date Made Active in Reports: 01/09/2024
Number of Days to Update: 84
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/19/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 42
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/15/2023
Date Data Arrived at EDR: 11/20/2023
Date Made Active in Reports: 02/15/2024
Number of Days to Update: 87

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/16/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/16/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/16/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/31/2023
Date Data Arrived at EDR: 11/03/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 81

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/09/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 12
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/26/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64
Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/29/2024
Number of Days to Update: 85
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/04/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 77
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 8

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 90

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/12/2024
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/27/2023
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 81

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/04/2023
Date Data Arrived at EDR: 04/05/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/15/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 04/05/2024
Number of Days to Update: 78
Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 90

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/07/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/16/2023
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/16/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 09/12/2023
Number of Days to Update: 19

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/26/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 12/05/2023
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 27

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 04/03/2024
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/12/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/24/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 75

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 77

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/26/2024
Number of Days to Update: 89
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/18/2023
Date Data Arrived at EDR: 12/26/2023
Date Made Active in Reports: 03/19/2024
Number of Days to Update: 84
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/22/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/22/2024
Date Data Arrived at EDR: 01/23/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 76
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 01/31/2024
Number of Days to Update: 85
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SALOON BESS
NOT REPORTED
WILLIAMS, CA 95987

TARGET PROPERTY COORDINATES

Latitude (North):	39.118087 - 39° 7' 5.11''
Longitude (West):	122.2137 - 122° 12' 49.32''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	567975.9
UTM Y (Meters):	4329967.0
Elevation:	144 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50005038 CORTINA CREEK, CA
Version Date:	2021
North Map:	50006018 WILLIAMS, CA
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

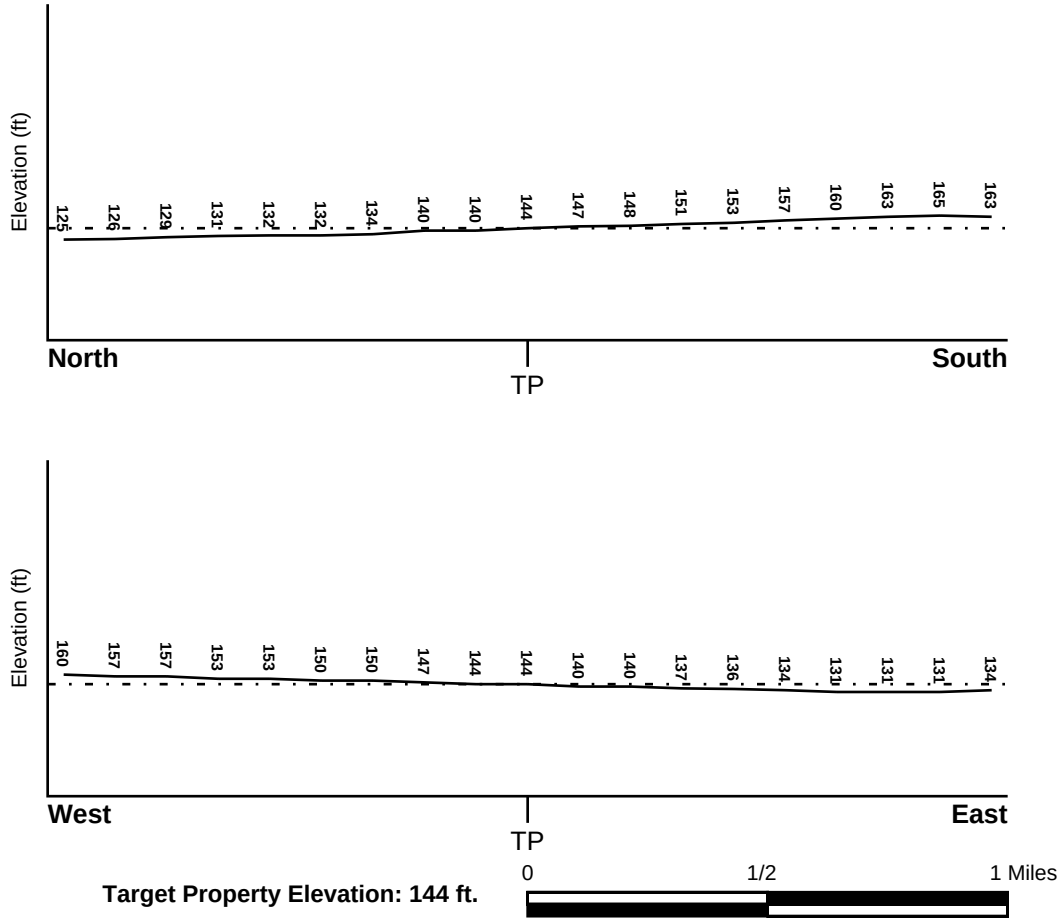
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06011C0650F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06011C0525F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CORTINA CREEK	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

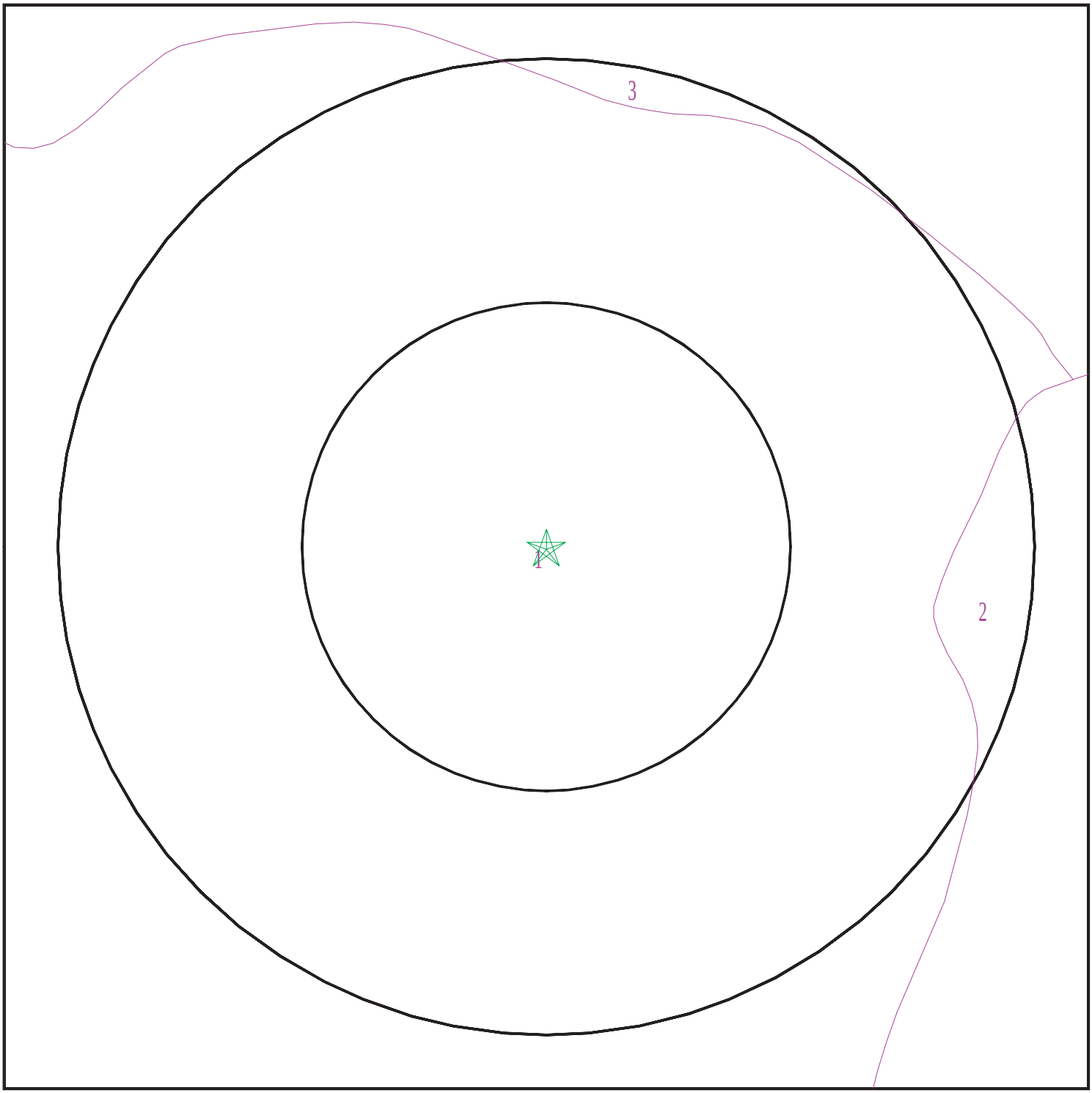
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7627030.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Saloon BESS	CLIENT:	DUDEK
ADDRESS:	Not Reported Williams CA 95987	CONTACT:	Cheyenne Graves
LAT/LONG:	39.118087 / 122.2137	INQUIRY #:	7627030.2s
		DATE:	April 17, 2024 4:20 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: MYERS

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	3 inches	25 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	25 inches	42 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
4	42 inches	55 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
5	55 inches	70 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: WESTFAN

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	44 inches	60 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.6
2	25 inches	44 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.6

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	0 inches	25 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.6

Soil Map ID: 3

Soil Component Name: MALLARD

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 91 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
2	3 inches	7 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	7 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
4	14 inches	27 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
5	27 inches	44 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
6	44 inches	60 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A5	USGS40000191781	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

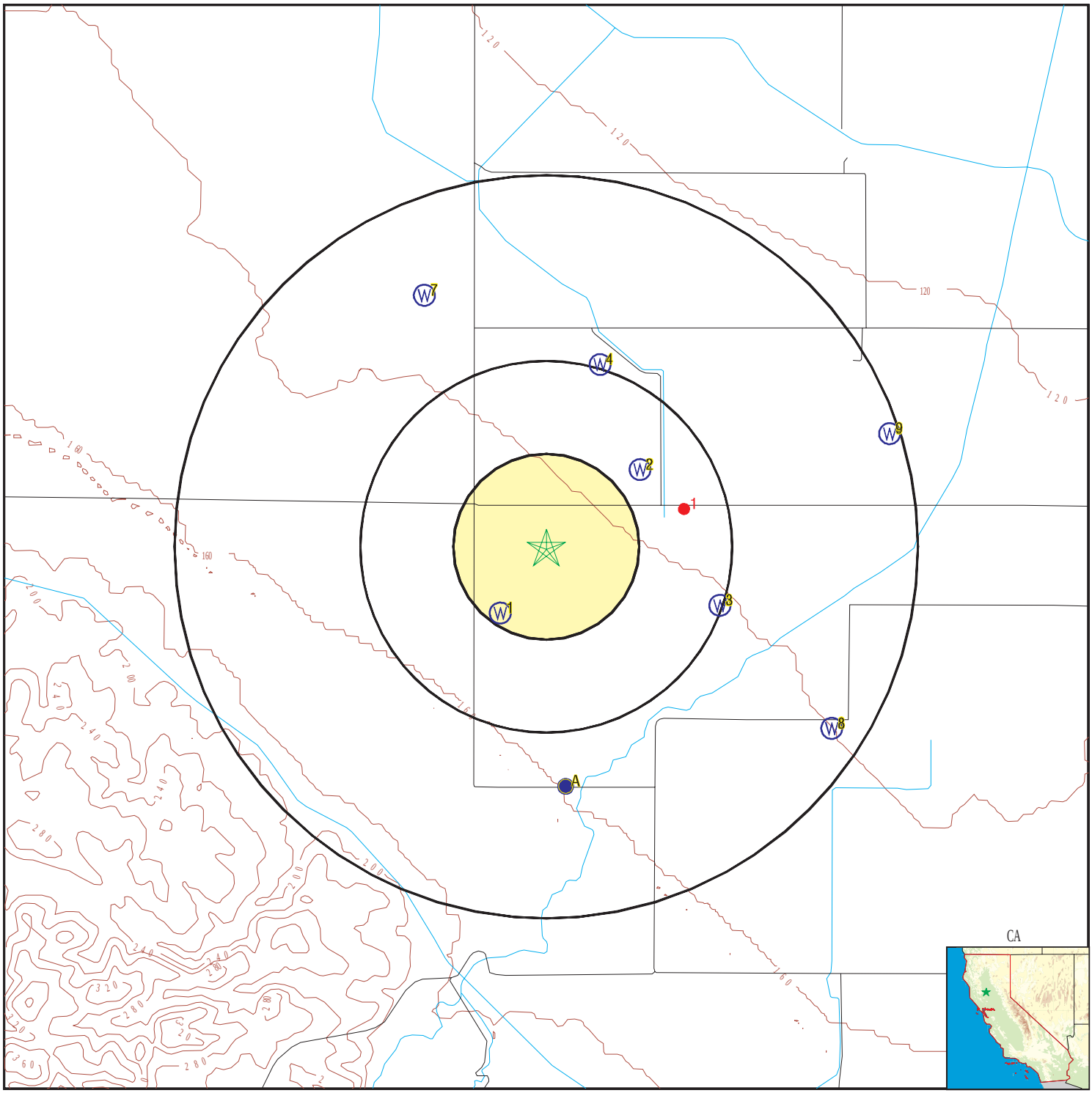
MAP ID	WELL ID	LOCATION FROM TP
1	CADWR9000041460	1/8 - 1/4 Mile SW
2	CADWR9000041470	1/4 - 1/2 Mile NE
3	CADWR0000003868	1/4 - 1/2 Mile ESE
4	CADPR0000001219	1/2 - 1 Mile NNE
A6	CAUSGSN00005967	1/2 - 1 Mile South
7	CADPR0000002347	1/2 - 1 Mile NNW
8	CADPR0000000245	1/2 - 1 Mile ESE
9	CADPR0000003816	1/2 - 1 Mile ENE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG17000007346	1/4 - 1/2 Mile ENE

PHYSICAL SETTING SOURCE MAP - 7627030.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	Saloon BESS	CLIENT:	DUDEK
ADDRESS:	Not Reported Williams CA 95987	CONTACT:	Cheyenne Graves
LAT/LONG:	39.118087 / 122.2137	INQUIRY #:	7627030.2s
		DATE:	April 17, 2024 4:20 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number

1
SW
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR9000041460**

State Well #:	15N03W32B001M	Station ID:	14643
Well Name:	Not Reported	Basin Name:	Colusa
Well Use:	Stockwatering	Well Type:	Unknown
Well Depth:	70	Well Completion Rpt #:	Not Reported

2
NE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000041470**

State Well #:	15N03W29J001M	Station ID:	14642
Well Name:	15N03W29J001M	Basin Name:	Colusa
Well Use:	Residential	Well Type:	Single Well
Well Depth:	160	Well Completion Rpt #:	98567

3
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000003868**

Well ID:	15N03W28N001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	15N03W28N001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=15N03W28N001M&store_num=		
GeoTracker Data:	Not Reported		

4
NNE
1/2 - 1 Mile
Lower

CA WELLS **CADPR0000001219**

Well ID:	98759	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	98759	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=98759&store_num=		
GeoTracker Data:	Not Reported		

A5
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000191781**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	015N003W32H001M	Type:	Well

Description:	Not Reported	HUC:	18020104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19671229	Well Depth:	92
Well Depth Units:	ft	Well Hole Depth:	885
Well Hole Depth Units:	ft		

A6
South
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00005967**

Well ID:	USGS-390632122124201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-390632122124201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-390632122124201&store_num=		
GeoTracker Data:	Not Reported		

7
NNW
1/2 - 1 Mile
Lower

CA WELLS **CADPR0000002347**

Well ID:	91716	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	91716	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=91716&store_num=		
GeoTracker Data:	Not Reported		

8
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADPR0000000245**

Well ID:	91717	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	91717	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=91717&store_num=		
GeoTracker Data:	Not Reported		

9
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADPR0000003816**

Well ID:	91712	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	91712	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=91712&store_num=		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG17000007346**

OIL_GAS:

API #:	0401100270	Well #:	1
Well Type:	Dry Hole	Well Status:	Plugged
Lease Name:	P. Cheney	Well Design:	P. Cheney 1
Operator ID:	E3700	Operator Name:	Exxon Mobil Corporation
Field Name:	Any Field	Area Name:	Any Area
Place:	Colusa County	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	08/27/1952		
Well Record Request URL:	https://filerequest.conservation.ca.gov/WellRecord?api=01100270		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95987	1	1

Federal EPA Radon Zone for COLUSA County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for COLUSA COUNTY, CA

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.550 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

Geothermal Wells Listing
Department of Conservation
Telephone: 916-445-9686
Geothermal well means a well constructed to extract or return water to the ground after it has been used for heating or cooling purposes. Geothermal wells in California (except for wells on federal leases which are administered by the Bureau of Land Management) are permitted, drilled, operated, and permanently sealed and closed (plugged and abandoned) under requirements and procedures administered by the Geothermal Section of the Department of Conservations Geologic Energy Management Division (CalGEM, formerly DOGGR).

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix D
Site Background Questionnaire

The ASTM Standard (E 1527-21, Section 10) for Phase I Environmental Site Assessments requires interviews with past and present owners and occupants of the property in order to obtain information on the history and uses of the property. Please answer the questions below to the best of your knowledge. Please provide additional information for all YES answers.

1. **Current Property Uses and Buildings:**

How long have you owned or occupied the property?

40 years

Describe the current uses of the property.

Almond orchard

How long has the property been used for these purposes?

Planted in 2006

Describe any buildings on the property and indicate the years they were constructed.

None

2. **Past Uses:** Describe the past use(s) of the property and indicate the time period for each use, if known.

Row crops (tomatoes, vine seeds)

3. **Previous Owners/Operators:** Please identify previous owners and operators and provide their contact information (if available).

Burlis Jansen

4. **Industrial Uses:** Please indicate whether the property or adjoining properties have been used for the following industrial uses. **Adjoining properties** include properties that are across the street from yours.

Industrial Use	Yes (Property)	Yes (Adjoining Property)	No
Gasoline Station	☐	☐	☑
Printing Facility	☐	☐	☑
Metal Plating Manufacturing	☐	☐	☑
Landfill	☐	☐	☑
Auto Repair/Service Facility	☐	☐	☑
Dry Cleaners	☐	☐	☑
Junkyard/Auto Dismantling	☐	☐	☑
Waste Treatment	☐	☐	☑
Other Industrial Use (please describe below):	☐	☐	☑

5. **Agricultural Uses:** Has the subject property ever been used for agricultural purposes?
☑ Yes ☐ No ☐ Unknown

If yes, please indicate whether any of the following have been present on the subject property.

Agricultural Use	Yes	No	Location
Cattle Hoof Wash	☐	☑	
Wheel Wash, Copper Solution or Other	☐	☑	
Orchards	☑	☐	Location, type, duration: Almond orchard planted in 2006
Orchard Heaters/Smudge Pots	☐	☑	
Pesticide/Herbicide/Fungicide Storage	☐	☑	Location, type, duration:
Pesticide/Herbicide/Fungicide Application	☑	☐	Location, type, duration: herbicide and fungicide application in accordance with permit regulations

6. **Dump/Burn Areas:** Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or other waste materials been dumped above ground, buried, or burned on the property?
☐ Yes ☑ No ☐ Unknown

If yes, please describe:

7. **Hazardous Substances Storage:** Have any of the following items been stored on the property in containers *greater than 5 gallons*? If yes, please describe.

Substance	Yes	No	Substance and Container Size (e.g., waste oil in 55-gallon drum)
Paint	☐	☑	
Chemicals	☐	☑	
Solvents	☐	☑	
Pesticides	☐	☑	
Fuel	☐	☑	
Oil	☐	☑	
Other (please identify):	☐	☑	

8. **Hazardous Substances Spills:** Have there been spills of the substances in Question 6?

☐ Yes ☑ No ☐ Unknown

If yes, please describe:

9. **Pipelines:** Have hazardous substances or petroleum products been transferred across the property in pipelines, either above or below ground?

☐ Yes ☑ No ☐ Unknown

If yes, please provide the type of hazardous substance:

Have any spills occurred?

☐ Yes ☐ No ☐ Unknown *NA*

If yes, please describe:

10. **Fill Dirt:** Has fill dirt been brought onto the property from an off-site source?

☐ Yes ☑ No ☐ Unknown

If yes, what was the source of fill dirt?

If yes, was/is there evidence that the fill dirt in may be contaminated?

☐ Yes ☐ No ☐ Unknown

If yes, please provide soil sampling data, if available, or describe other evidence:

11. **Pits, Ponds, and Lagoons:** Are there currently any pits, ponds, or lagoons on the property?

☐ Yes ☑ No ☐ Unknown

If yes, please describe:

Have any pits, ponds, or lagoons previously existed on the property?

☐ Yes ☑ No ☐ Unknown

If yes, please describe:

12. **Stained Soil:** Are there currently any areas on the property with stained soil?

☐ Yes ☑ No ☐ Unknown

If yes, please describe where, the size of stain, if there were odors, etc.:

Has stained soil previously existed on the property?

☐ Yes ☑ No ☐ Unknown

If yes, please describe where, size of stain, if there were odors, etc.:

13. **Storage Tanks:** Do underground or aboveground storage tanks exist or have they existed previously on the property?

☐ Yes ☑ No ☐ Unknown

If yes, please provide details below. If tanks previously existed on the property, please describe how they were closed (e.g., removed, abandoned in place).

Tank Size	Year Installed	Contents	Closure Method (if applicable)	Year Closed (if applicable)

14. **Fill Pipes/Vent Pipes/Access Ways:** Do fill pipes, vent pipes, or access ways indicating the presence of underground storage tanks currently exist on the property?

☐ Yes ☑ No ☐ Unknown

Have fill pipes or vent pipes, which may indicate the presence of an underground storage tank, been removed from the property?

☐ Yes ☑ No ☐ Unknown

15. **Floor Drains:** Are floor drains stained with anything other than water or do they emit foul odors on the property?

☐ Yes ☑ No ☐ Unknown

16. **Private Well/Non-Public Water Source:** Is the property served by a private well or other non-public water source?

☐ Yes ☑ No ☐ Unknown

If yes, please describe source

The property is part of an irrigation district; no wells are on the property.

Are contaminants known to exist in any private well or non-public water system serving the property?

☐ Yes ☐ No ☐ Unknown *NA*

If yes, please describe

17. **Wastewater:** Does the property discharge wastewater, other than domestic wastewater or stormwater, into the sewer?

☐ Yes ☑ No ☐ Unknown

If yes, please describe

Does a neighboring property discharge wastewater, other than stormwater, onto the property?

☐ Yes ☑ No ☐ Unknown

If yes, please describe

Other than permission for domestic hookup, has any type of permit(s) for wastewater discharge been issued to the property?

☐ Yes ☑ No ☐ Unknown

If yes, please describe

18. **Septic Tank:** Does a septic tank exist, or has one existed previously at the property?

☐ Yes (currently exists) ☐ Yes (previously existed, was removed) ☑ No ☐ Unknown

19. Cesspools/Cisterns: Do cesspools or cisterns currently exist on the property?

☐ Yes (cesspool) ☐ Yes (cistern) ☑ No ☐ Unknown

Have cesspools or cisterns previously existed on the property?

☐ Yes (cesspool) ☐ Yes (cistern) ☑ No ☐ Unknown

20. Transformer/Capacitor: Is there a transformer or capacitor on the property?

☐ Yes ☑ No ☐ Unknown

If yes, is it known to contain PCBs?

☐ Yes ☐ No ☐ Unknown _____

21. Hydraulic Equipment: Is there any hydraulic equipment such as automobile lifts or elevators on the property?

☐ Yes ☑ No ☐ Unknown

If yes, please describe type and number of equipment:

If yes, is the hydraulic oil known to contain PCBs?

☐ Yes ☐ No ☐ Unknown

22. Surveys: Has an asbestos and/or lead based paint survey been conducted at the property?

☐ Yes ☑ No ☐ Unknown

If yes, when was the survey(s) conducted? Please provide copies of the reports if available.

23. **Pesticides:** Have pesticides, herbicides, or insecticides been applied on the property?
☑ Yes ☐ No ☐ Unknown
If yes, describe type and when they were used:

Permitted pesticides in accordance with regulations

24. **Environmental Cleanups:** Are you aware of any environmental cleanups/remediation that have occurred on the property?
☐ Yes ☑ No ☐ Unknown

25. **Notice of Violation:** Have notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products associated with activities conducted on the property been issued?
☐ Yes ☑ No ☐ Unknown

26. **Documents:** Has the property been included in any of the following documents? (Please provide any of the available documents.)

Document	Yes	No	Unknown
Phase I or II Environmental Assessment Reports	☐	☑	☐
Environmental Compliance Audits	☐	☑	☐
Environmental Permits	☐	☑	☐
Underground or Aboveground Tank Registrations	☐	☑	☐
Underground Injection System Registrations	☐	☑	☐
Health & Safety Plan / Safety Data Sheets	☐	☑	☐
Community Right-to-Know Plan	☐	☑	☐
Spill Prevention, Control, and Countermeasure Plan	☐	☑	☐
Hazardous Materials Business Plan	☐	☑	☐
Sampling, Remediation, or Risk Assessment Reports	☐	☑	☐
Hazardous Waste Generator Manifests	☐	☑	☐
Geotechnical Reports	☐	☑	☐

27. **Environmental** Assessments**:** Are there any other environmental assessments that identified hazardous substances or petroleum products on the property?

☐ Yes ☑ No ☐ Unknown

If yes, please describe:

28. **Litigation/Administrative Proceedings:** Is there any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products associated with the property?

☐ Yes ☑ No ☐ Unknown

If yes, please describe:

29. **Additional Knowledge:** Are you aware of any other information (not provided above) about the property related to a releases or potential release of hazardous substances or petroleum products?

☐ Yes ☑ No ☐ Unknown

If yes, please describe:

Completed via phone with S. Smith of Dudek — Signature

5/6/2024 — Date

Allen Myers — Name (Printed)

☑ Owner ☐ Occupant ☐ Owner Representative

Property Address: Williams Property

Appendix E
Local Agency Records

Sharllyn Meneses Pimentel

From: Kuljeet Mundi <Kuljeet.Mundi@countyofcolusa.com>
Sent: Tuesday, May 7, 2024 3:49 PM
To: Sharllyn Meneses Pimentel
Subject: RE: CUPA records request

Hi Sharllyn,

We do not have anything for the below APN's provided.

Thank you,

Kuljeet Mundi, REHS
Environmental Health Manager
Community Development Department
1213 Market Street
Colusa, Ca. 95932
☎:: (530)458-0883 direct
☎:: (530) 458-0482 fax
:: Kuljeet.Mundi@countyofcolusa.com

From: Sharllyn Meneses Pimentel <spimentel@dudek.com>
Sent: Tuesday, May 7, 2024 10:45 AM
To: Kuljeet Mundi <Kuljeet.Mundi@countyofcolusa.com>
Subject: CUPA records request

⚠ **REMINDER:** This email originated from outside of the organization, only you can prevent ransomware attacks. Do not click links or open attachments unless you recognize the sender and know the content is safe. When in doubt, contact the Helpdesk at helpdesk@countyofcolusa.com.

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Hello Kuljeet,

I am Sharllyn Pimentel, and I am contacting the Environmental Health Department for information regarding spills, tanks and/or hazardous materials releases/ investigations for the following Parcel Numbers: 016-290-053-000 and 016-290-009-000. These parcels are located to the east of address 5270 Walnut Drive, Williams CA, 95987.

Thank you,

Sharllyn M. Pimentel (She/Her)
Hydrogeologist II
DUDEK
O: 530 863 4278 C: 530 305 1948
dudek.com


Passion yields excellence.
Passion drives progress.
Put our passion to work for you.
DU more.

Sharllyn Meneses Pimentel

From: Ryan Jennings <rjennings@countyofcolusa.com>
Sent: Thursday, May 16, 2024 2:49 PM
To: Sharllyn Meneses Pimentel
Subject: FW: Pesticide use records request
Attachments: PermitUseReport (23).xlsx

Good Afternoon Sharllyn,

Thank you for the public records request. Attached is the responsive documents requested. Please feel free to contact me for any other questions.

Thank you,

Ryan Jennings
Colusa County Assistant Agriculture Commissioner
100 Sunrise BLVD Suite F
Colusa, CA 95932
530-458-0580

From: Sharllyn Meneses Pimentel <spimentel@dudek.com>
Sent: Thursday, May 9, 2024 8:25 AM
To: Colusa County Ag <ccag@countyofcolusa.com>
Subject: Pesticide use records request

To the Agricultural Commissioner,

My name is Sharllyn Pimentel, and I am a hydrogeologist with Dudek, I am currently working on a project related to the environmental assessment of two parcels within Colusa County (APN 016-290-053-000 and 016-290-009-000). I need information on their historical and current agricultural use, including pesticide and herbicide application. Could you provide any relevant documents?

Thank you for your time and attention,

Sharllyn M. Pimentel (She/Her)
Hydrogeologist II
DUDEK

O: 530 863 4278 **C:** 530 305 1948
dudek.com



	Permitee	Site ID	Site Location	Site Name	Meridian	Township	Range	Section	Application Date	Application Time	Commodity Code	Commodity	Pre-plant	Planted Amount	Planted Units	EPA Reg No	Product Name	Quantity Used	Quantity Units	Treated Amount	Treated Units	Appl. Method	Fume Code	Applicator Name	Applicator License #	Applicator License Type	Applicator Address	Entered By	Time Stamp Date	Time Stamp Time
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	3/6/2021	12:00 PM	3001-0	ALMOND	No	41.7600	ACRES	70905-4-AA	BUZZ ULTRA-DF	9.3960	Pounds	41.7600	ACRES	Ground		Grower Applied				Ajaworld_data	5/27/2021	8:02 PM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	3/6/2021	12:00 PM	3001-0	ALMOND	No	41.7600	ACRES	8033-122-AA-70506	TOPSIN 4.5FL FUNGICIDE	4.8937	Gallon	41.7600	ACRES	Ground		Grower Applied				Ajaworld_data	5/27/2021	8:02 PM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	6/23/2021	11:32 AM	3001-0	ALMOND	No	41.7600	ACRES	62719-442-AA	INTREPID 2F	1.3100	Gallon	10.4400	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	sspyres	6/24/2021	11:41 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	8/23/2021	9:00 AM	3001-0	ALMOND	No	41.7600	ACRES	70506-227-AA	BIFENTURE 10DF INSECTICIDE/MITICIDE	52.2000	Pounds	41.7600	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	8/26/2021	10:06 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	6/24/2022	9:08 AM	3001-0	ALMOND	No	41.7600	ACRES	62719-442-AA	INTREPID 2F	1.3100	Gallon	10.4400	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	6/27/2022	11:34 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	6/24/2022	9:08 AM	3001-0	ALMOND	No	41.7600	ACRES	62719-442-AA	INTREPID 2F	16.0000	Ounce	10.4400	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	6/27/2022	1:43 PM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	7/5/2022	11:30 AM	3001-0	ALMOND	No	41.7600	ACRES	62719-442-AA	INTREPID 2F	5.2200	Gallon	41.7600	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	7/6/2022	2:50 PM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	2/9/2023	5:11 PM	3001-0	ALMOND	No	41.7600	ACRES	66222-276-AA	BRAVO WEATHER STIK	6.2600	Gallon	41.7600	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	2/10/2023	2:41 PM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	3/9/2023	8:54 AM	3001-0	ALMOND	No	41.7600	ACRES	8033-122-AA-70506	TOPSIN 4.5FL FUNGICIDE	6.5200	Gallon	41.7600	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	3/15/2023	11:48 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	3/27/2023	3:00 PM	3001-0	ALMOND	No	41.7600	ACRES	66222-276-AA	BRAVO WEATHER STIK	6.2600	Gallon	41.7600	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	3/28/2023	11:34 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	3/27/2023	3:00 PM	3001-0	ALMOND	No	41.7600	ACRES	66222-276-AA	BRAVO WEATHER STIK	4.0000	Pint	41.7600	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	3/28/2023	11:48 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	7/15/2023	10:23 AM	3001-0	ALMOND	No	41.7600	ACRES	62719-442-AA	INTREPID 2F	1.6300	Gallon	10.4400	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	7/18/2023	10:21 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	8/26/2023	7:56 AM	3001-0	ALMOND	No	41.7600	ACRES	70506-227-AA	BIFENTURE 10DF INSECTICIDE/MITICIDE	62.6400	Pounds	41.7600	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	8/29/2023	10:59 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	8/26/2023	7:56 AM	3001-0	ALMOND	No	41.7600	ACRES	1051080-50052-AA	BROADSPRED GREEN	0.3100	Gallon	41.7600	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	8/29/2023	10:59 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	2/6/2024	1:30 PM	3001-0	ALMOND	No	41.0000	ACRES	66222-276-AA	BRAVO WEATHER STIK	1.0000	Quart	41.0000	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	2/21/2024	10:59 AM
0600173	MYERS SEED	445	MAP WD	HILL RD & WALNUT DRIVE RD.	M	15N	03W	28	2/27/2024	7:20 AM	3001-0	ALMOND	No	41.0000	ACRES	7969-310-AA	MERIVON XEMIUM BRAND FUNGICIDE	5.0000	Ounce	41.0000	ACRES	Aircraft		PACIFIC VALLEY AVIATION	32644	PCM	1707 LONESTAR RD ARBUCKLE CA CA	pacificvalleycolusa	2/29/2024	11:45 AM

Pipeline and Hazardous Materials Safety Administration

NATIONAL PIPELINE MAPPING SYSTEM



Legend

- Accidents (Liquid)
- Incidents (Gas)
- Gas Transmission Pipelines
- Hazardous Liquid Pipelines

500 m
1000 ft

Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

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Date Printed: May 16, 2024

811 Know what's below. Call before you dig.

Appendix F
Site Reconnaissance Photographs



Photo Number 1. Entrance to the subject property via Beauchamp Drive.



Photo Number 2. Almond orchard on the main portion of the subject property.



Photo Number 3. Irrigation ditch and power transmission lines along Beachamp Road (facing west).



Photo Number 4. Proposed gen-tie line alignment along Beauchamp Drive (facing east).



Photo Number 5. Homestead adjoining the subject property to the north.



Photo Number 6. Walnut orchard east-adjoining the subject property (facing east).



Photo Number 7. Facing south at the walnut orchard adjoining the subject property to the south.



Photo Number 8. Residence adjoining the subject property to the west.



Photo Number 9. Approximately 1,000-gallon propane tank adjoining the gen-tie line to the north.



Photo Number 10. Mobile poly tanks on the northern-adjoining the subject property.

Appendix G
Historical Aerial Photographs

Saloon BESS

Not Reported

Williams, CA 95987

Inquiry Number: 7627030.8

April 17, 2024

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/17/24

Site Name:

Saloon BESS
Not Reported
Williams, CA 95987
EDR Inquiry # 7627030.8

Client Name:

DUDEK
605 Third Street
Encinitas, CA 92024
Contact: Cheyenne Graves

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Acquisition Date: August 25, 1998	USGS/DOQQ
1983	1"=500'	Flight Date: July 04, 1983	USDA
1977	1"=500'	Flight Date: June 23, 1977	USGS
1973	1"=500'	Flight Date: July 01, 1973	USGS
1952	1"=500'	Flight Date: June 30, 1952	USDA
1937	1"=500'	Flight Date: September 24, 1937	USDA

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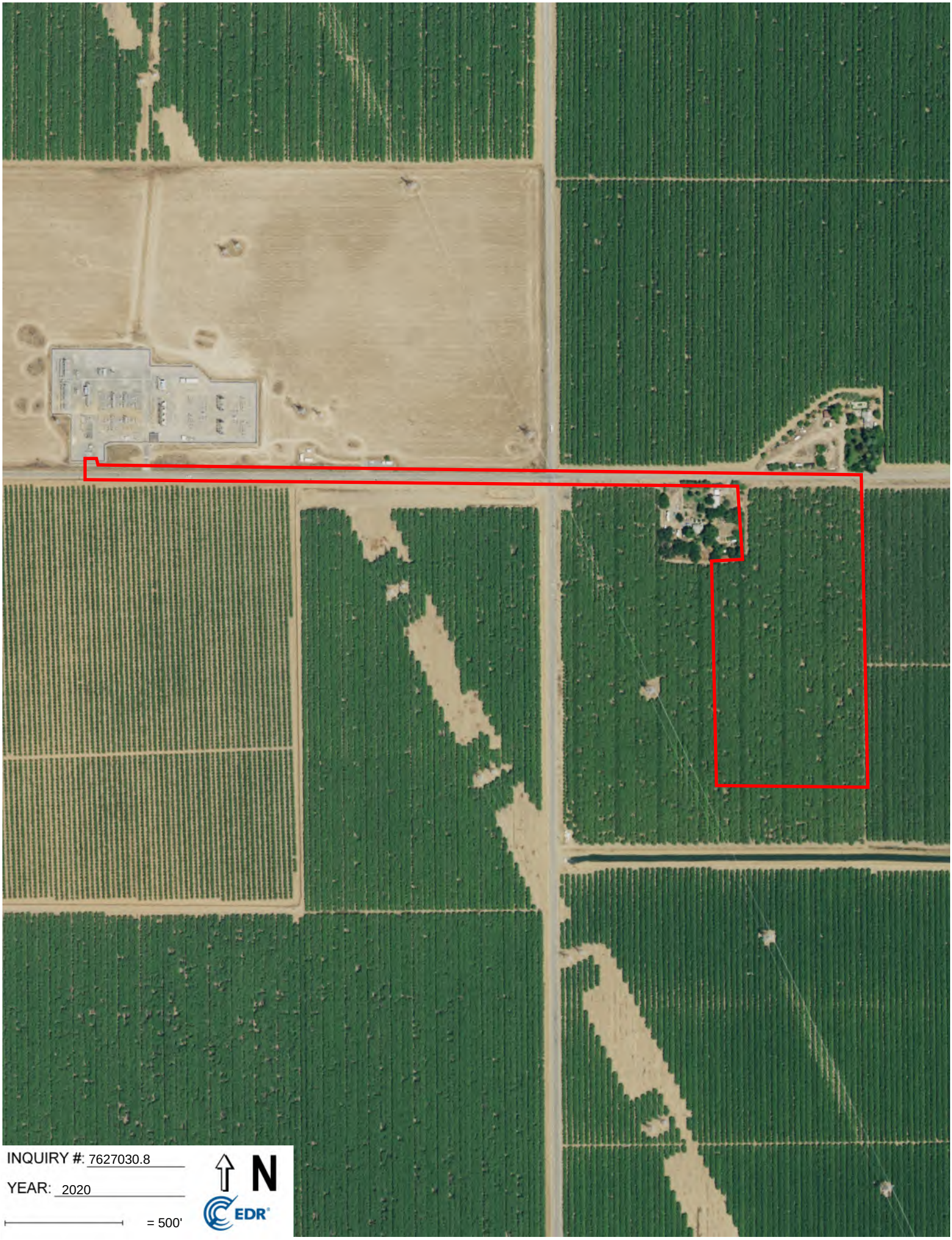
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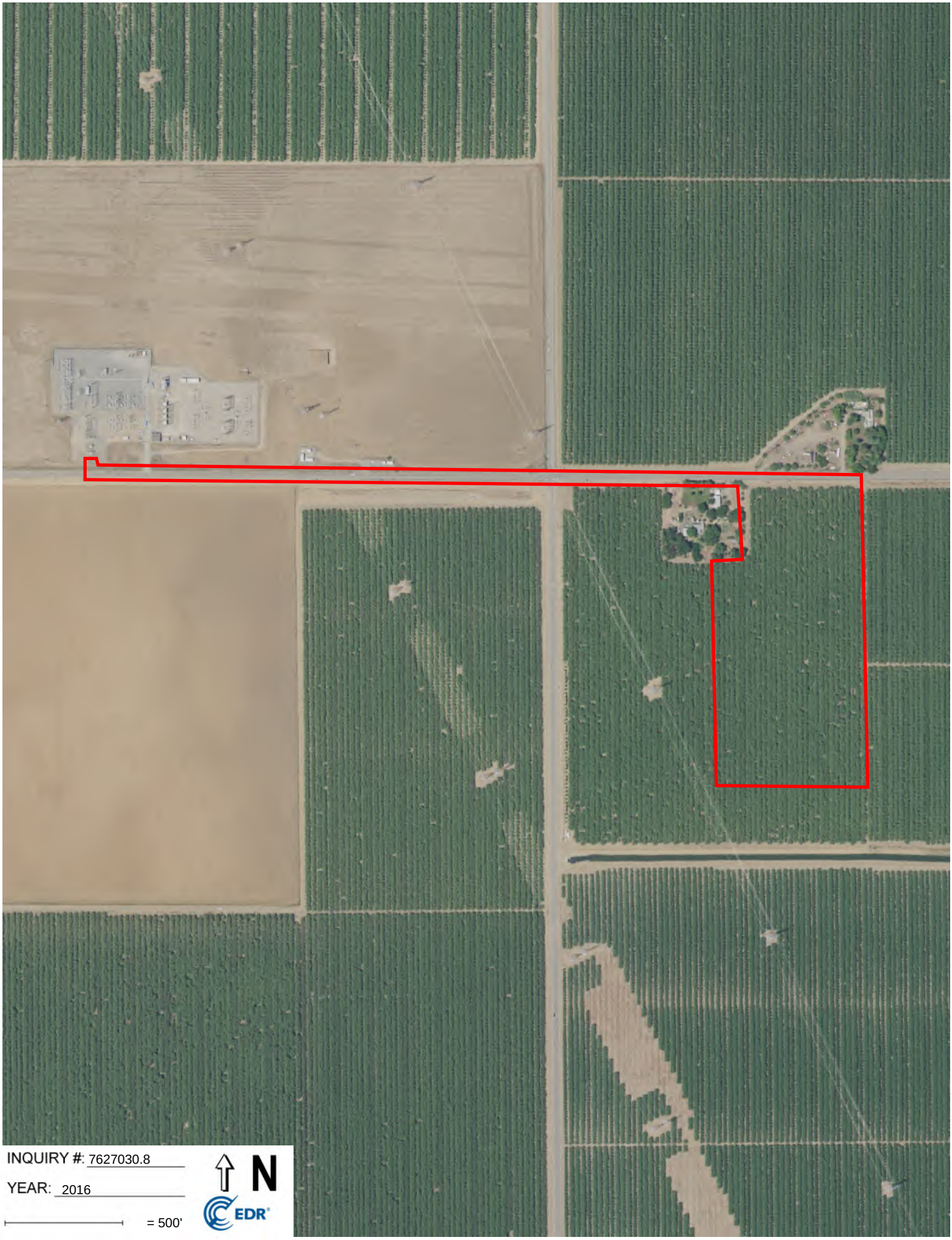
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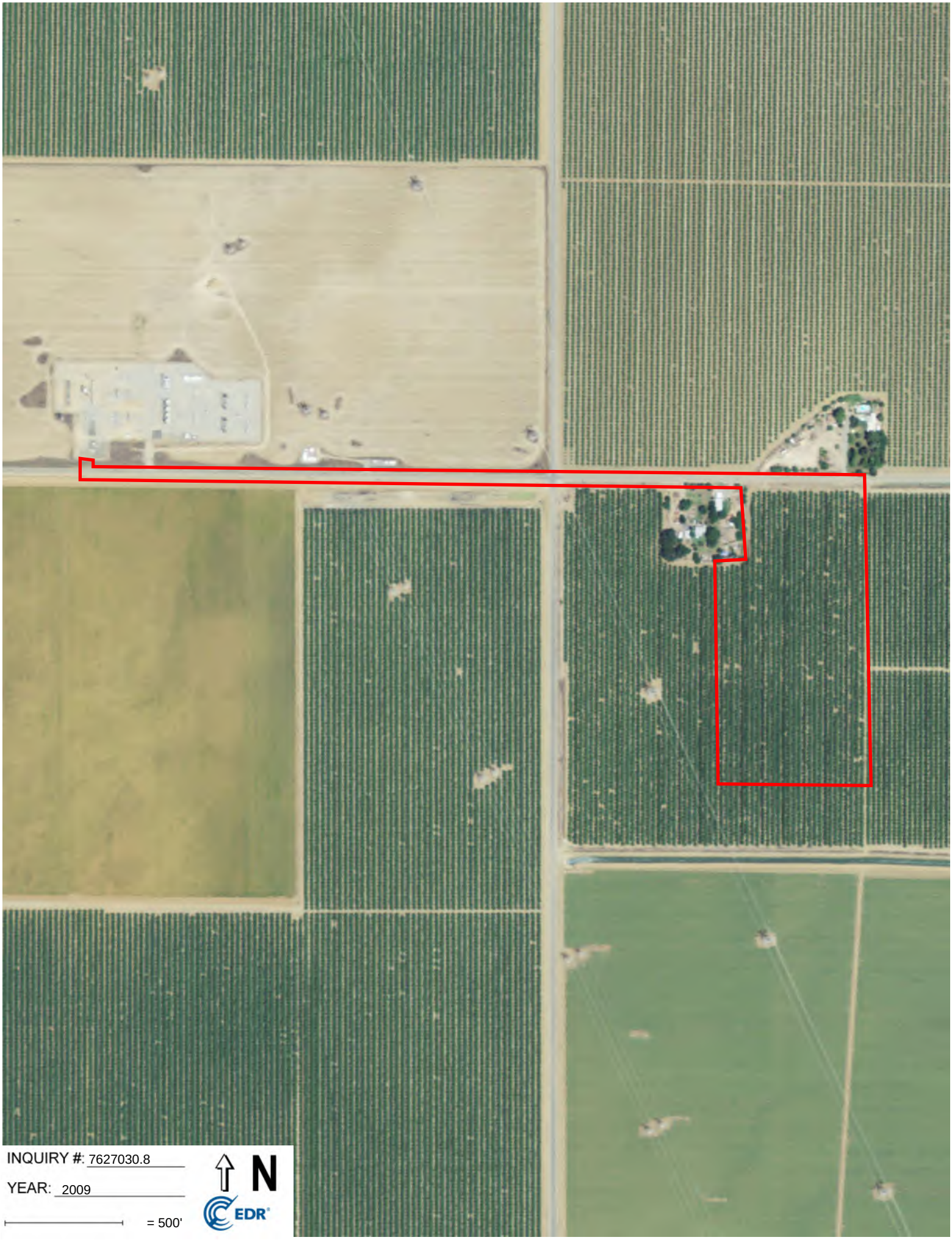
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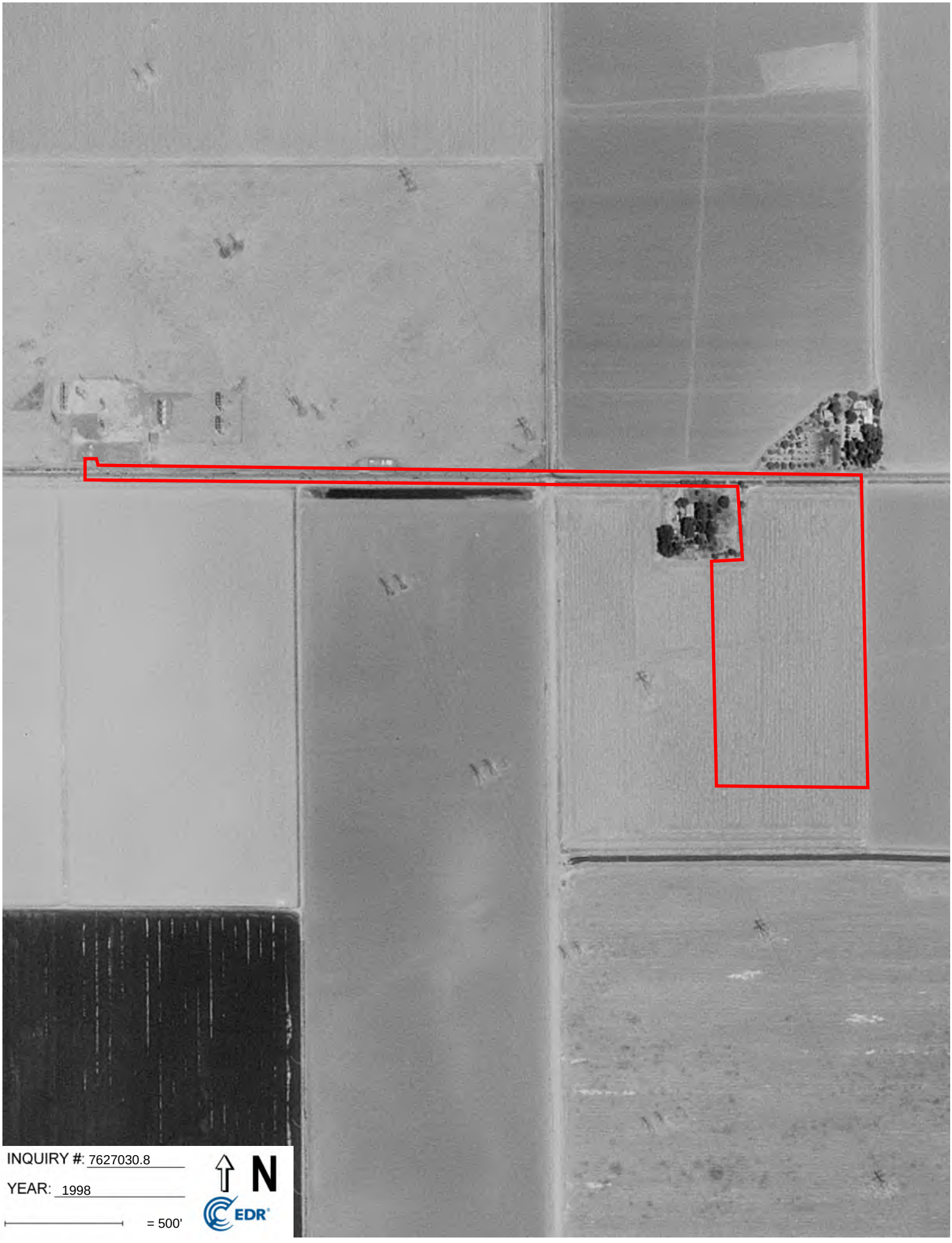

INQUIRY #: 7627030.8
YEAR: 2020
= 500'
N
EDR


INQUIRY #: 7627030.8
YEAR: 2016
= 500'
N
EDR

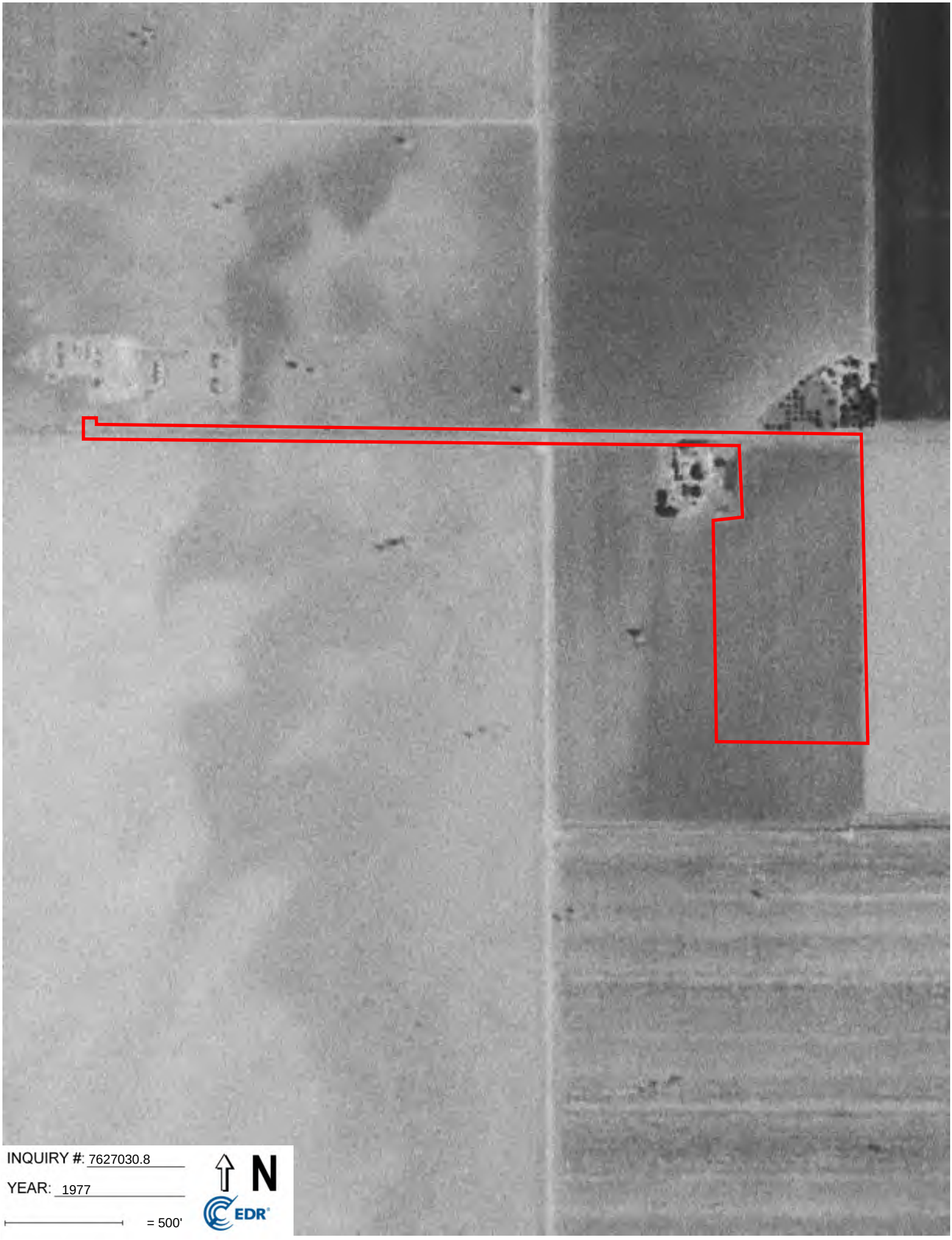

INQUIRY #: 7627030.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7627030.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 7627030.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 7627030.8
YEAR: 1998
= 500'
N
EDR


INQUIRY #: 7627030.8
YEAR: 1983
= 500'
N
EDR



INQUIRY #: 7627030.8

YEAR: 1977

= 500'

N

EDR


INQUIRY #: 7627030.8
YEAR: 1973
= 500'
N
EDR



INQUIRY #: 7627030.8

YEAR: 1952

= 500'

N

EDR


INQUIRY #: 7627030.8
YEAR: 1937
= 500'
N
EDR

Appendix H

Certified Sanborn Map Report

Saloon BESS

Not Reported

Williams, CA 95987

Inquiry Number: 7627030.3

April 17, 2024

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/17/24

Site Name:	Client Name:
Saloon BESS	DUDEK
Not Reported	605 Third Street
Williams, CA 95987	Encinitas, CA 92024
EDR Inquiry # 7627030.3	Contact: Cheyenne Graves

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by DUDEK were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 4B9E-4C71-9246

PO # 13993.39

Project Saloon BESS

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 4B9E-4C71-9246

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix I
City Directory Report

Saloon BESS
Not Reported
Williams, CA 95987

Inquiry Number: 7627030.5
April 22, 2024

The EDR-City Directory Image Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☐	☑	EDR Digital Archive
2017	☐	☑	Cole Information
2014	☐	☑	Cole Information
2010	☐	☑	Cole Information
2005	☐	☑	Cole Information
2000	☐	☑	Cole Information
1995	☐	☑	Cole Information
1992	☐	☑	Cole Information
1986	☐	☐	Haines Criss-Cross Directory
1981	☐	☐	Haines Criss-Cross Directory
1975	☐	☐	Haines Criss-Cross Directory
1971	☐	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

Not Reported
Williams, CA 95987

No Addresses Found

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
WALNUT DR			
2020	pg. A1	EDR Digital Archive	
2017	pg. A2	Cole Information	
2014	pg. A3	Cole Information	
2010	pg. A4	Cole Information	
2005	pg. A5	Cole Information	
2000	pg. A6	Cole Information	
1995	pg. A7	Cole Information	
1992	pg. A8	Cole Information	
1986	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1981	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

WALNUT DR 2020

5266	DARLENE FARMER
	ERIC FARMER
	LARRY FARMER
5283	CATHERINE AHART
	DANIEL AHART
	JOSEPH AHART
	PETER AHART
5310	MARYANN CRANFORD
5321	JC NIESEN
	LORILEE NIESEN
5364	BARBARA ROLEN
	BRUCE ROLEN
	GEORGE ROLEN
	KELLY ROLEN
5377	CALEB SEHNERT
	DANIEL SEHNERT
5381	LISA KOREGELOS
5435	MICHEAL MYERS
5450	CODY PARKER
5457	RICHARD DOYLE
	SHANE DOYLE

Target Street	Cross Street	Source
-	✓	Cole Information

WALNUT DR 2017

5266	FARMER, LARRY D
5283	AHART, DANIEL
5306	GONZALEZ, JOSE
5310	CRANFORD, JAMES L
5321	NIESEN, JC A
5364	ROLEN, GEORGE B
5377	SEHNERT, DAN J
5381	KOREGELOS, JON M
5401	SMITH, DUSTIN D
5435	MYERS, MICHEAL
5450	PARKER, CODY D
5457	DAVIS, DAVID E
5564	KELLEY, GLENN A
5645	MITCHELL, STEPHEN
5739	MAUPIN, WILLIAM

Target Street	Cross Street	Source
-	✓	Cole Information

WALNUT DR 2014

5266	FARMER, LARRY D
5270	FARMER, ERIC
5283	FUGATE, FEB
5306	GONZALEZ, JOSE
5310	CRANFORD, JAMES L
5321	NIESEN, L
5364	OCCUPANT UNKNOWN,
5377	SEHNERT, DAN J
5379	CANO, TROY M
5381	KOREGELOS, JON M
5401	PEARSON, HILLARY
5421	PATEL, ANIL
5435	MYERS, MICHEAL
5450	PARKER, CODY D
5457	DAVIS, DAVID E
5556	KALFSBEEK, JAKE
5564	KELLEY, GLENN A
5739	MAUPIN, WILLIAM A

Target Street	Cross Street	Source
-	✓	Cole Information

WALNUT DR 2010

5266	FARMER, LARRY D
5270	OCCUPANT UNKNOWN,
5283	FUGATE, CHANDON M
5306	GONZALEZ, JOSE
5310	CRANFORD, JERRY
5321	WIMBERLEY, ROBINETTE R
5364	ROLEN, GEORGE B
5377	SEHNERT, DAN J
5379	ROMERO, ANGIE
5381	KOREGELOS, JON M
5401	SMITH, DUSTIN D
5421	ANDRONICO, DON R
5450	HOUSTON, TERESA E
5457	DAVIS, DAVID
5556	KALFSBEEK, JAKE
5564	OCCUPANT UNKNOWN,
5645	MENDENHALL, BRYAN
5739	MAUPIN, WILLIAM A
5790	KEMP, RONALD E

Target Street	Cross Street	Source
-	✓	Cole Information

WALNUT DR 2005

5266	FARMER, LARRY D
5283	AHART, DANIEL
5306	GONZALEZ, JOSE
5310	CRANFORD, JAMES L
5321	GRIFFITH, PARKER
5364	ROLEN, GEORGE B
5377	SEHNERT, DAN J
5379	CANO, TROY
5381	JON & LISA KOREGELOS
	KOREGELOS, JON
5401	GERHART, DENNIS P
5450	HOUSTON, TERESA E
5457	DAVIS, ANNIE B
5564	HERNANDEZ, RUDY A
	STRAWFORD ELECTRIC
5645	MENDENHALL, BRYAN
5739	MAUPIN FARMS
	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

WALNUT DR 2000

5266	FARMER, LARRY
5364	ROLEN, BARBARA L
5377	ENGLISH, COLE
5645	MENDENHALL, J B

Target Street	Cross Street	Source
-	✓	Cole Information

WALNUT DR 1995

5321	KRUG, JOHN H
5377	ENGLISH, COLE
5526	FARMER, LARRY
5645	CRINER, BRAD
	MENDENHALL, J B

Target Street	Cross Street	Source
-	✓	Cole Information

WALNUT DR 1992

5321 KRUG, JOHN H
5377 ENGLISH, COLE

Appendix J
Vapor Encroachment Report

Saloon BESS
Not Reported
Williams, CA 95987

Inquiry Number: 7627030.2s
May 15, 2024

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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with any questions or comments.

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	0	0	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	0	1	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

SALOON BESS
NOT REPORTED
WILLIAMS, CA 95987

COORDINATES

Latitude (North):	39.118087 - 39° 7′ 5.115967″
Longitude (West):	122.2137 - 122° 12′ 49.317627″
Elevation:	144 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
1X CORTINA SUBSTATION	WALNUT RD & EAST CAMP RD	<1/10 WNW	▲ 1	8
HAZNET: HAZNET HWTS: HWTS				

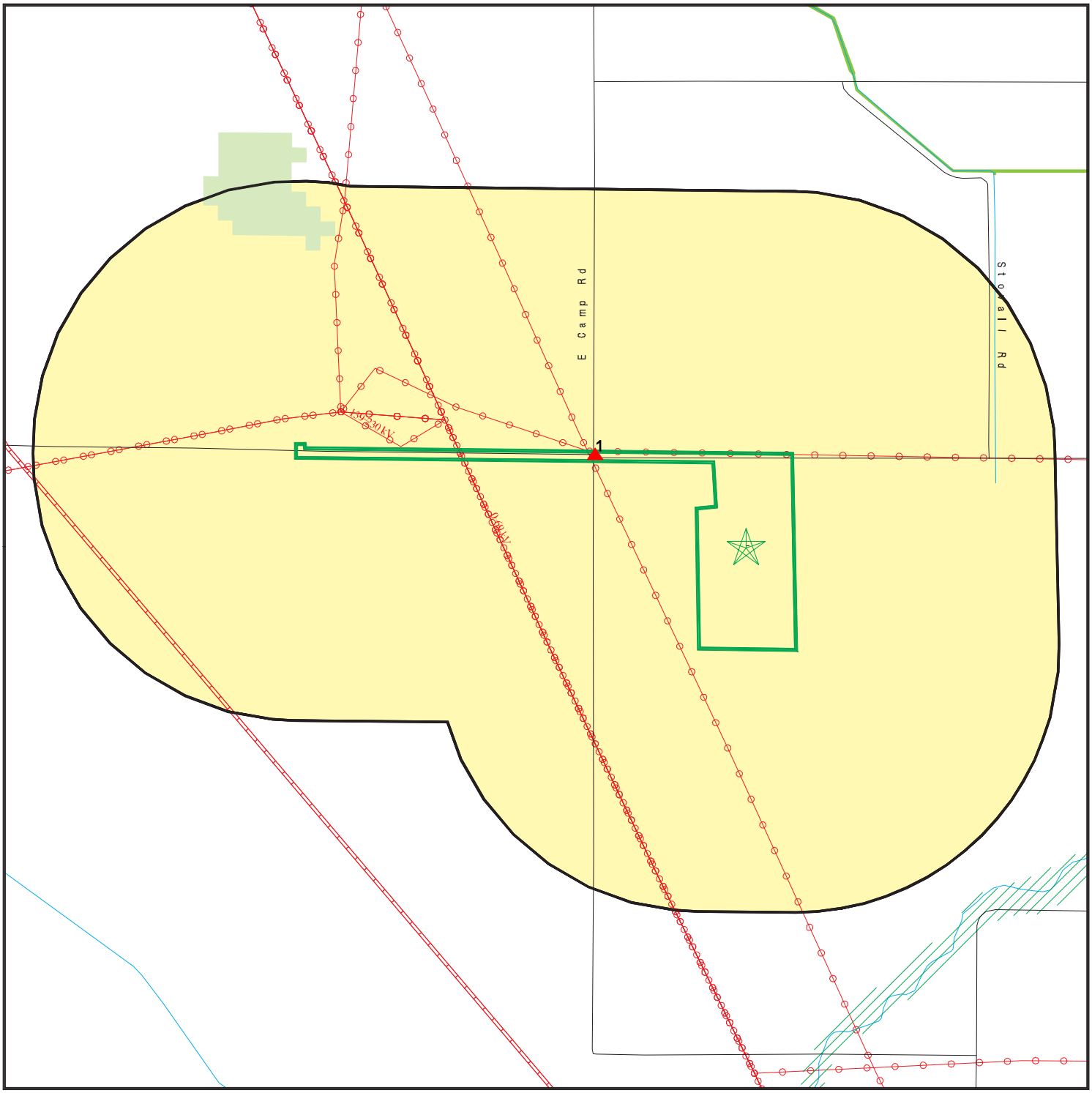
EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 7627030.2S



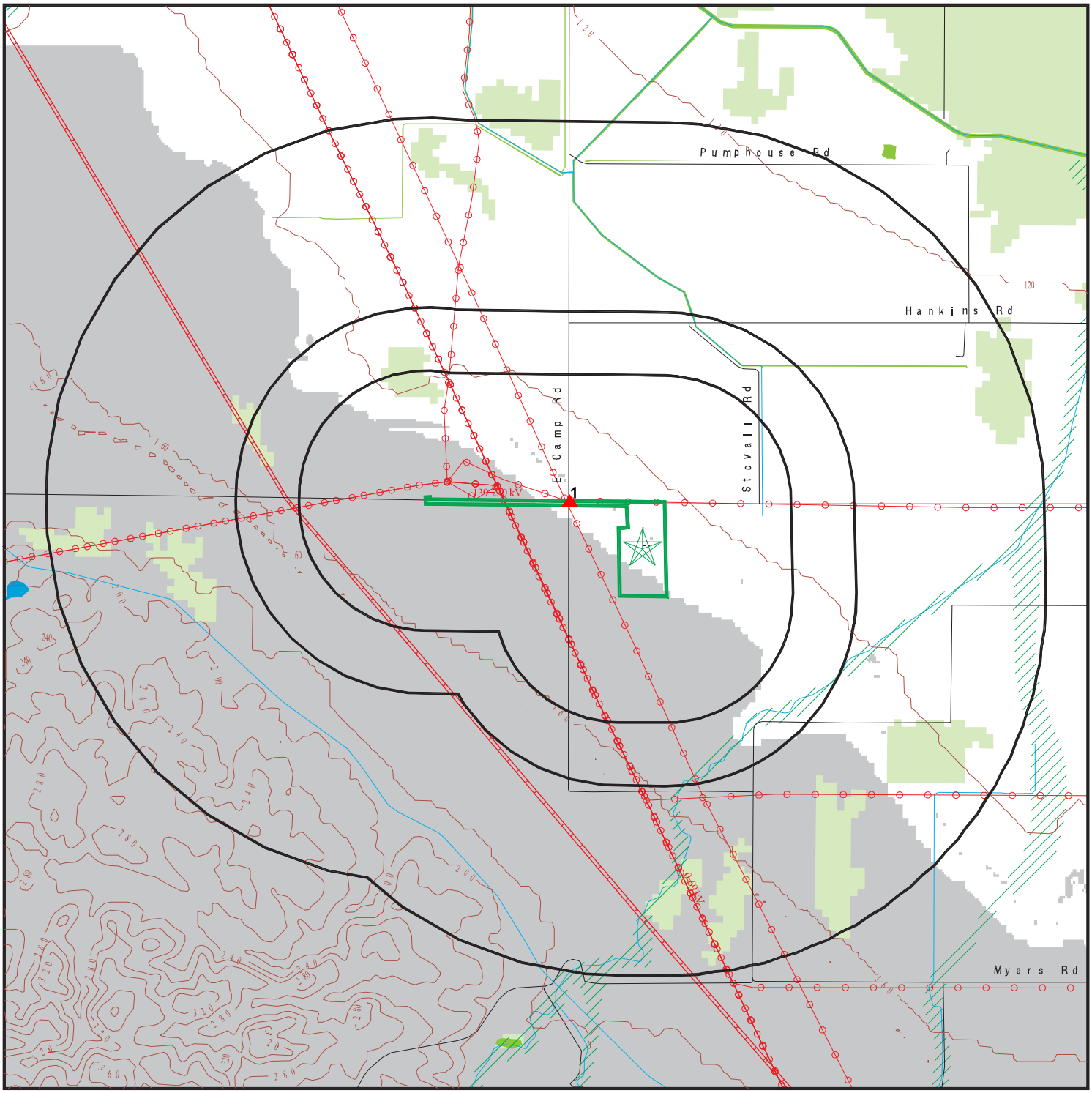
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Saloon BESS	CLIENT:	DUDEK
ADDRESS:	Not Reported Williams CA 95987	CONTACT:	Cheyenne Graves
LAT/LONG:	39.118087 / 122.2137	INQUIRY #:	7627030.2s
		DATE:	April 17, 2024 4:17 pm

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SECONDARY MAP - 7627030.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Saloon BESS	CLIENT: DUDEK
ADDRESS: Not Reported Williams CA 95987	CONTACT: Cheyenne Graves
LAT/LONG: 39.118087 / 122.2137	INQUIRY #: 7627030.2s DATE: April 17, 2024 4:15 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

1X CORTINA SUBSTATION WALNUT RD & EAST CAMP RD, WILLIAMS, CA, 95901			S123756134
▲ 1	WNW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	Equal Elevation	144 ft. Above Sea Level	

Worksheet:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	02/29/2024	03/01/2024	03/27/2024
US	Proposed NPL	Proposed National Priority List Sites	EPA	02/29/2024	03/01/2024	03/27/2024
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	01/29/2024	02/01/2024	02/22/2024
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	12/04/2023	12/06/2023	12/12/2023
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	02/14/2024	02/16/2024	04/04/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/12/2023	12/13/2023	02/28/2024
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/22/2024	01/23/2024	04/08/2024
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/22/2024	01/23/2024	04/08/2024
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	11/06/2023	11/07/2023	02/05/2024
State and tribal leaking storage tank lists						
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/04/2023	01/17/2024	03/13/2024
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/27/2024
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	12/04/2023	12/05/2023	02/28/2024
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	11/28/2023	11/30/2023	02/27/2024
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/17/2023	01/17/2024	03/13/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/24/2023	01/17/2024	03/13/2024
US	FEMA UST	Underground Storage Tank Listing	FEMA	11/16/2023	11/16/2023	02/13/2024
State and tribal voluntary cleanup sites						
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/22/2024	01/23/2024	04/08/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	12/13/2023	12/13/2023	03/07/2024
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2023	01/11/2024	01/16/2024
US	ROD	Records Of Decision	EPA	02/29/2024	03/01/2024	03/27/2024
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	11/29/2023	11/29/2023	02/23/2024
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	10/30/2023	11/01/2023	01/23/2024
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2022	11/27/2023	02/22/2024
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/11/2023	12/13/2023	02/28/2024
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	Delisted NPL	National Priority List Deletions	EPA	02/29/2024	03/01/2024	03/27/2024
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/29/2024	02/01/2024	02/22/2024
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/12/2023	12/13/2023	02/28/2024
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	08/15/2023	08/30/2023	12/01/2023
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/30/2024	02/13/2024	04/04/2024
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/05/2024	02/21/2024	04/04/2024
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	01/02/2024	01/03/2024	01/04/2024
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	01/16/2024	01/17/2024	03/27/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	03/20/2023	04/04/2023	06/09/2023
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	01/02/2024	01/16/2024	03/13/2024
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	11/03/2023	11/08/2023	11/20/2023
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	02/01/2024	02/08/2024	04/04/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	11/28/2023	11/29/2023	12/11/2023
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2021	09/28/2023	12/18/2023
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	12/31/2023	01/23/2024	04/09/2024
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	12/13/2023	12/13/2023	03/07/2024
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	03/31/2023	05/08/2023	07/31/2023
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	11/22/2023	11/22/2023	02/15/2024
CA	DRYCLEAN BAY AREA DIST	Bay Area Air Quality Management District Drycleaner Facility	Bay Area Air Quality Management District	02/20/2019	05/30/2019	05/01/2023
CA	DRYCLEAN CALAVERAS CO DIST	Calaveras County Environmental Management Agency Drycleaner	Calaveras County Environmental Management Age	06/17/2019	06/19/2019	05/01/2023
CA	DRYCLEAN LAKE CO DIST	Lake County Air Quality Management District Drycleaner Facil	Lake County Air Quality Management District	04/29/2019	05/07/2019	05/01/2023
CA	DRYCLEAN NO COAST UNIFIED DIST	North Coast Unified Air Quality Management District Dryclean	North Coast Unified Air Quality Management Di	11/30/2016	04/19/2019	05/01/2023
CA	DRYCLEAN NO SIERRA DIST	Northern Sierra Air Quality Management District Drycleaner F	Northern Sierra Air Quality Management Distri	05/07/2019	05/07/2019	05/01/2023
CA	DRYCLEAN SANTA BARB CO DIST	Santa Barbara County Air Pollution Control District Dryclean	Santa Barbara County Air Pollution Control Di	02/19/2019	04/17/2019	05/01/2023
CA	DRYCLEAN TEHAMA CO DIST	Tehama County Air Pollution Control District Drycleaner Faci	Tehama County Air Pollution Control District	04/24/2019	04/24/2019	05/01/2023
CA	DRYCLEAN GLENN CO DIST	Glenn County Air Pollution Control District Drycleaner Facil	Glenn County Air Pollution Control District	01/08/2024	01/10/2024	03/27/2024
CA	DRYCLEAN NO SONOMA CO DIST	Norther Sonoma County County Air Pollution Control District	Santa Barbara County Air Pollution Control Di	01/05/2024	01/10/2024	03/27/2024
CA	DRYCLEAN SACRAMENTO METO DIST	Sacramento Metropolitan Air Quality Management DistrictDrycl	Sacramento Metropolitan Air Quality Managemen	01/03/2024	01/10/2024	03/27/2024
CA	DRYCLEAN BUTTE CO DIST	Butte County Air Quality Management DistrictDrycleaner Facil	Butte County Air Quality Management District	04/25/2023	10/18/2023	01/16/2024
CA	DRYCLEAN FEATHER RIVER DIST	Feather River Air Quality Management District Drycleaner Fac	Feather River Air Quality Management District	03/08/2023	03/09/2023	06/05/2023
CA	DRYCLEAN SAN DIEGO CO DIST	San Diego County Air Pollution Control District Drycleaner F	San Diego County Air Pollution Control Distri	03/19/2024	03/21/2024	04/12/2024
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	04/02/2024	04/05/2024	04/15/2024
CA	DRYCLEAN GRANT	Grant Recipients List	California Air Resources Board	12/31/2021	01/26/2024	04/16/2024
CA	DRYCLEAN EAST KERN DIST	Eastern Kern Air Pollution Control District District Dryclea	Eastern Kern Air Pollution Control District	01/12/2023	04/26/2023	07/14/2023
CA	DRYCLEAN IMPERIAL CO DIST	Imperial County Air Pollution Control District Drycleaner Fa	Imperial County Air Pollution Control Distric	04/25/2023	04/26/2023	07/14/2023
CA	DRYCLEAN MENDO CO DIST	Mendocino County Air Quality Management District Drycleaner	Mendocino County Air Quality Management Distr	04/27/2023	04/28/2023	07/14/2023
CA	DRYCLEAN MOJAVE DESERT DIST	Mojave Desert Air Quality Management District Drycleaner Fac	Mojave Desert Air Quality Management District	04/26/2023	04/27/2023	07/14/2023
CA	DRYCLEAN YOLO-SOLANO DIST	Yolo-Solano Air Quality Management District Drycleaner Facil	Yolo-Solano Air Quality Management District	01/04/2024	01/05/2024	03/20/2024
CA	DRYCLEAN SHASTA CO DIST	Shasta County Air Quality Management District District Drycl	Shasta County Air Quality Management District	04/26/2023	04/27/2023	07/14/2023
CA	DRYCLEAN MONTEREY BAY DIST	Monterey Bay Air Quality Management District Drycleaner Faci	Monterey Bay Air Quality Management District	01/03/2024	01/05/2024	03/20/2024
CA	DRYCLEAN SAN LUIS OB CO DIST	San Luis Obispo County Air Pollution Control District Drycle	San Luis Obispo County Air Pollution Control	01/03/2024	01/04/2024	03/20/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	DRYCLEAN PLACER CO DIST	Placer County Air Quality Management District Drycleaner Fac	Placer County Air Quality Management District	05/15/2023	05/17/2023	08/14/2023
CA	DRYCLEAN SAN JOAQ VAL DIST	San Joaquin Valley Air Pollution Control District District D	San Joaquin Valley Air Pollution Control Dist	01/04/2024	01/04/2024	03/21/2024
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	11/14/2023	11/16/2023	02/12/2024
CA	DRYCLEAN VENTURA CO DIST	Drycleaner Facility Listing	Ventura County Air Pollution Control District	01/04/2024	01/16/2024	02/08/2024
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	11/21/2023	11/22/2023	02/16/2024
CA	DRYCLEAN AMADOR	Amador Air District Drycleaner Facility Listing	Amador Air Quality Management District	04/26/2023	04/27/2023	07/13/2023
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2021	06/09/2023	08/30/2023
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	01/16/2024	01/16/2024	04/03/2024
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	01/11/2024	01/16/2024	04/03/2024
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	11/08/2023	11/22/2023	02/16/2024
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	04/04/2024	04/05/2024	04/15/2024
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2023	01/03/2024	03/21/2024
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	02/07/2024	02/07/2024	02/07/2024
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	01/02/2024	01/03/2024	03/21/2024
CA	ICE	Inspection, Compliance and Enforcement	Department of Toxic Subsances Control	02/07/2024	02/07/2024	02/07/2024
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	12/04/2023	12/05/2023	02/27/2024
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	11/21/2023	11/22/2023	02/16/2024
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
CA	MINES	Mines Site Location Listing	Department of Conservation	11/29/2023	11/29/2023	02/23/2024
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	11/08/2023	11/22/2023	02/16/2024
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	11/06/2023	11/07/2023	02/05/2024
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	11/22/2023	11/22/2023	02/16/2024
CA	PROC	Certified Processors Database	Department of Conservation	11/29/2023	11/29/2023	02/23/2024
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	12/06/2023	12/06/2023	02/29/2024
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	11/03/2020	11/05/2020	01/26/2021
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/22/2024	01/23/2024	04/08/2024
CA	SANTA CRUZ CO SITE MITI	Site Mitigation Listing	Santa Cruz Environmental Health Services	12/03/2018	06/23/2023	07/13/2023
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	11/29/2023	11/29/2023	02/27/2024
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
CA	CERS HAZ WASTE	California Environmental Reporting System Hazardous Waste	CalEPA	01/16/2024	01/16/2024	04/03/2024
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	01/16/2024	01/16/2024	04/03/2024
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	01/16/2024	01/16/2024	04/03/2024
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	12/31/2023	01/03/2024	01/16/2024
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	12/04/2023	12/05/2023	02/28/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/12/2024	02/13/2024	04/04/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	12/20/2023	12/20/2023	01/24/2024
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	11/30/2023	11/30/2023	02/23/2024
CA	CHROME PLATING	Chrome Plating Facilities Listing	State Water Resources Control Board	11/30/2023	11/30/2023	02/23/2024
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	12/04/2023	12/05/2023	02/28/2024
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	11/22/2023	11/22/2023	02/16/2024
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	12/17/2023	12/28/2023	03/04/2024
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	11/29/2023	11/29/2023	02/22/2024
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	11/30/2023	11/30/2023	02/26/2024
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	10/26/2023	10/27/2023	01/29/2024
HISTORICAL USE RECORDS						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	12/26/2023	12/26/2023	03/19/2024
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	04/27/2023	04/27/2023	07/13/2023
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	12/18/2023	12/18/2023	03/13/2024
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	04/06/2020	04/23/2020	07/10/2020
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	01/19/2024	01/24/2024	04/09/2024
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	10/24/2023	10/25/2023	01/16/2024
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	08/08/2022	08/09/2022	09/01/2022
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	06/28/2021	12/21/2021	03/03/2022
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	08/12/2021	08/12/2021	11/08/2021
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	01/17/2024	01/18/2024	04/03/2024
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	CUPA KERN	CUPA Facility List	Kern County Public Health	10/30/2023	11/01/2023	01/23/2024
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	10/30/2023	11/01/2023	01/23/2024
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	12/03/2020	01/26/2021	04/14/2021
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	10/27/2023	11/01/2023	11/21/2023
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	07/31/2020	08/21/2020	11/09/2020
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	01/16/2024	01/18/2024	03/26/2024
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	01/09/2024	01/10/2024	03/27/2024
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	12/31/2022	01/12/2023	03/29/2023
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	04/13/2023	07/13/2023	09/27/2023
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	12/01/2023	12/13/2023	12/14/2023
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	12/01/2023	12/13/2023	03/07/2024
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	07/11/2023	10/17/2023	01/09/2024
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	04/12/2023	05/02/2023	06/13/2023
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	08/10/2020	08/12/2020	10/23/2020
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	09/22/2021	11/18/2021	11/22/2021
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	11/15/2023	11/20/2023	02/15/2024
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/22/2021	03/02/2021	05/19/2021
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	10/04/2021	10/06/2021	12/29/2021
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	09/05/2019	09/09/2019	10/31/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	10/31/2023	11/03/2023	01/23/2024
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	10/10/2023	11/01/2023	01/23/2024
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	10/10/2023	11/01/2023	01/23/2024
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	10/10/2023	11/01/2023	01/23/2024
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	11/09/2023	11/09/2023	11/21/2023
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	01/04/2024	01/04/2024	03/29/2024
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	01/04/2024	01/04/2024	03/21/2024
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	11/07/2022	12/21/2022	03/16/2023
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	11/07/2022	12/09/2022	03/01/2023
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	01/17/2024	01/18/2024	01/26/2024
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	11/08/2023	11/09/2023	02/07/2024
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	11/27/2023	11/27/2023	02/16/2024
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	04/04/2023	04/05/2023	06/27/2023
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	07/22/2021	10/19/2021	01/13/2022
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	10/30/2023	11/01/2023	01/23/2024
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	10/30/2023	11/01/2023	01/23/2024
CA	SAN FRANCISCO MAHER	Maher Ordinance Property Listing	San Francisco Planning	01/15/2024	01/18/2024	04/05/2024
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	11/08/2023	11/09/2023	02/07/2024
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	02/20/2020	02/20/2020	04/24/2020
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	11/07/2023	11/08/2023	11/16/2023
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	09/15/2021	09/16/2021	12/09/2021
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	07/02/2021	07/06/2021	07/14/2021
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	06/30/2021	06/30/2021	09/24/2021
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/08/2022	02/10/2022	05/04/2022
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	08/03/2023	08/24/2023	09/12/2023
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	12/05/2023	02/01/2024	02/28/2024
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	01/17/2024	01/18/2024	04/03/2024
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	10/07/2022	10/07/2022	12/21/2022
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	12/26/2023	01/24/2024	04/08/2024
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	12/26/2023	01/23/2024	04/09/2024
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	11/28/2023	11/29/2023	02/26/2024
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	12/18/2023	12/26/2023	03/19/2024
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	01/22/2024	01/23/2024	04/08/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date

STREET AND ADDRESS INFORMATION

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Appendix H

Paleontological Resources Assessment

MEMORANDUM

To:	Saloon Energy Storage, LLC
From:	Shawna Johnson, MSc, Michael Williams, PhD, and Sarah Siren, MSc, Paleontologists, Dudek
Subject:	Saloon Battery Energy Storage System Project– Paleontological Resources Assessment
Date:	June 25, 2024
cc:	Ronelle Candia, Dudek
Attachments:	A – Figure 1 – Vicinity Map B – Selected Field Photographs C – NHMLA Paleontological Records Search Results

Dudek has conducted an evaluation pursuant to the requirements of the California Environmental Quality Act (CEQA) and guidelines of the Society of Vertebrate Paleontology ([SVP] 2010) guidelines to determine the presence of and potential impacts related to paleontological resources associated with construction and operation of the proposed Saloon Battery Energy Storage System (BESS) Project (project) located in Colusa County, California (Figure 1). This paleontological resources inventory, evaluation, and impact assessment was prepared by Dudek Paleontological Principal Investigator, Michael Williams, Ph.D. and Paleontologist Shawna L. Johnson, MSc, with editorial comments by Dudek Paleontological Principal Investigator, Ms. Sarah Siren, MSc.

To determine the paleontological sensitivity of the project site, Dudek performed a paleontological resources inventory in compliance with the CEQA and SVP (2010) guidelines. The inventory consisted of a paleontological records search through the Natural History Museum of Los Angeles County (NHMLA), and a review of geological mapping and geological and paleontological literature. The results of the paleontological records search were negative for paleontological resources within the project site.

1 Project Description and Location

The project will include the development of an approximately 81 MW Battery Energy Storage System (BESS) that would deliver and receive power from the Pacific Gas & Electric (PG&E) Cortina Substation located approximately 0.5 miles west of the project.

The project site is located in the center of Colusa County approximately 3.5 miles southwest of the city of Williams and 2.3 miles south of California State Route 20. The approximately 18.2-acre Project site is surrounded by orchards, agricultural fields, rural roads, and the Cortina Substation (Figure 1).

2 Analysis Methodology

This study is based on a paleontological records search of the project site and surrounding area, a review of published geological mapping and published and unpublished reports, and an intensive paleontological survey of the project site. The paleontological resources records search was requested from the NHMLA on April 17, 2024, and the paleontological resources survey was conducted by Dudek field paleontologist, Michael Mendiola, on

June 21, 2024. The NHMLA paleontological resources records search, survey for paleontological resources, and map and literature review were conducted to identify the geological units onsite, determine if any previously recorded fossil localities are present within or nearby the project site, and determine the paleontological resources sensitivity or potential of the geological units present within the project site to make recommendations for future management considerations for the protection of significant paleontological resources if necessary.

3 Paleontological Resources

Geological units are evaluated based on their paleontological sensitivity or potential to produce fossils. Several classification schemes exist for the assessment of geological units (e.g., BLM, County of San Diego, etc.); however, this study utilizes the SVP (2010) criteria. Table 1 below provides definitions for high, low, undetermined, and no paleontological resource potential, or sensitivity, as set forth in and by the SVP (2010) guidelines.

Resource Sensitivity/Potential	Definition
High	Rock units from which vertebrate or significant invertebrate, plant, or trace fossils have been recovered are considered to have a high potential for containing additional significant paleontological resources. Rock units classified as having high potential for producing paleontological resources include, but are not limited to, sedimentary formations and some volcaniclastic formations (e.g., ashes or tephras), and some low-grade metamorphic rocks that contain significant paleontological resources anywhere within their geographical extent, and sedimentary rock units temporally or lithologically suitable for the preservation of fossils (e.g., middle Holocene and older, fine-grained fluvial sandstones, argillaceous and carbonate-rich paleosols, cross-bedded point bar sandstones, fine-grained marine sandstones). Paleontological potential consists of both (1) the potential for yielding abundant or significant vertebrate fossils or for yielding a few significant fossils, large or small, vertebrate, invertebrate, plant, or trace fossils and (2) the importance of recovered evidence for new and significant taxonomic, phylogenetic, paleoecologic, taphonomic, biochronologic, or stratigraphic data. Rock units that contain potentially datable organic remains older than late Holocene, including deposits associated with animal nests or middens, and rock units that may contain new vertebrate deposits, traces, or trackways are also classified as having high potential.
Low	Reports in the paleontological literature or field surveys by a qualified professional paleontologist may allow determination that some rock units have low potential for yielding significant fossils. Such rock units will be poorly represented by fossil specimens in institutional collections or, based on general scientific consensus, only preserve fossils in rare circumstances and the presence of fossils is the exception not the rule; e.g., basalt flows or Recent colluvium. Rock units with low potential typically will not require impact mitigation measures to protect fossils.
Undetermined Potential	Rock units for which little information is available concerning their paleontological content, geologic age, and depositional environment are considered to have undetermined potential. Further study is necessary to determine whether these rock units have high or low potential to contain significant paleontological resources. A field survey by a qualified

Resource Sensitivity/Potential	Definition
	professional paleontologist to specifically determine the paleontological resource potential of these rock units is required before a paleontological resource impact mitigation program can be developed. In cases where no subsurface data are available, paleontological potential can sometimes be determined by strategically located excavations into subsurface stratigraphy.
No Potential	Some rock units have no potential to contain significant paleontological resources; for instance, high-grade metamorphic rocks (such as gneisses and schists) and plutonic igneous rocks (such as granites and diorites). Rock units with no paleontological resource potential require neither protection nor impact mitigation measures relative to paleontological resources.

Source: SVP (2010)

3.1 Regulatory Framework

The California Environmental Quality Act

This paleontological resources evaluation was completed to satisfy the requirements of the CEQA. The CEQA Guidelines require that all private and public activities not specifically exempted be evaluated against the potential for environmental impacts, including effects to paleontological resources. Paleontological resources, which are limited, nonrenewable resources of scientific, cultural, and educational value, are recognized as part of the environment under these state guidelines. This study satisfies project requirements in accordance with CEQA (13 PRC [Public Resources Code], 15000 et seq.).

Paleontological resources are explicitly afforded protection by CEQA, specifically in Section VII(f) of CEQA Guidelines Appendix G, the "Environmental Checklist Form," which addresses the potential for adverse impacts to "unique paleontological resource[s] or site[s] or … unique geological feature[s]." This provision covers fossils of significant importance, which include the remains of species or genera new to science, for example, or fossils exhibiting features not previously recognized for a given animal group – as well as localities that yield fossils significant in their abundance, diversity, preservation, and so forth.

California Public Resources Code Section 5097.5

In addition to CEQA's requirements, Public Resources Code Section 5097.5 (Stats 1965, c 1136, p. 2792) regulates removal of paleontological resources from state lands, defines unauthorized removal of fossil resources as a misdemeanor, and requires mitigation of disturbed sites.

The 2030 Colusa County General Plan

The Cultural Resources Element of the 2030 Colusa County General Plan Draft Environmental Impact Report addresses paleontological resources and outlines a policy to mitigate negative impacts. The policy is reproduced below:

Policy

CON 3-2: Require all development, infrastructure, and other ground-disturbing projects to comply with the following conditions in the event of an inadvertent discovery of cultural resources or human remains:

a. If construction or grading activities result in the discovery of significant historic or prehistoric archaeological artifacts or unique paleontological resources, all work within 100 feet of the discovery shall cease, the County Department of Planning and Building shall be notified, the resources shall be examined by a qualified archaeologist, paleontologist, or historian, for appropriate protection and preservation measures; and work may only resume when appropriate protections are in place and have been approved by the County Department of Planning and Building.

3.2 Environmental Setting

Geological Literature, Map, and Geotechnical Report Review

The project study area lies within the Great Valley Geomorphic Province (California Geological Survey [CGS] 2002). This province is an alluvial plain that stretches approximately 50 miles wide by 400 miles long in the central part of California. The northern portion of the Great Valley Province is composed of the Sacramento Valley and the Southern portion is composed of the San Joaquin Valley. The Project is located in the Sacramento Valley portion of the province along its western boundary. The valley is filled with nearly flat-lying sediments as much as 20,000 to 40,000 feet thick. Beneath the valley, Cretaceous and Cenozoic strata form a broad U-shaped cross-sectional profile (trough) that is steeper on the west than the east. The edges of the tilted layers of Great Valley sedimentary rock can be seen along the western margin of the trough adjacent to the Coast Ranges (CGS 2002).

According to surficial geological mapping at a scale of 1:750,000 by Jennings et al. (2010) and the International Chronostratigraphic Chart of Cohen et al. (2024), the Project site is underlain by Holocene (< 11,700 years ago) to latest Pleistocene (approximately 11,700 to 129,000 years ago) alluvium, lake, playa, and terrace deposits (map unit Q). These sediments range from unconsolidated to semi-consolidated and are mostly non-marine but may contain marine deposits near the coast. These deposits are considered to have low paleontological sensitivity/potential on the surface, but this sensitivity/potential increases to high at depth. These deposits are commonly underlain by older geological units having high paleontological sensitivity or potential at variable depths below ground surface.

Larger scale mapping by Jennings and Strand (1960) at a 1:250,000 scale indicates the project site is underlain by Holocene fan deposits (map unit Qf), which are part of the Great Valley Sequence.

Within .75 miles of the project site Pleistocene and/or Pliocene (approximately 11,700 years ago to 5.3 million) sandstone, shale, and gravel deposits (map unit QPc) are mapped at the surface (Jennings et al. 2010). These deposits are mapped as late Pliocene (approximately 2.58 million years ago to 3.6 million years ago) nonmarine deposits (map unit Puc) by Jennings and Strand (1960). These older deposits have a high likelihood of being found underneath the younger deposits mapped on the surface. The sandstone, shale, and gravel deposits are continental in origin and are mostly loosely consolidated (Jennings et al. 2010). Pleistocene and Pliocene sedimentary deposits have produced significant paleontological resources throughout the state of California (Jefferson 1991, 2003;

Harris 2012). These older sedimentary deposits have high paleontological sensitivity based on the age of the sediments.

Paleontological Literature Review

A search of the University of California Museum of Paleontology (UCMP) online database, as well as several other online databases, all came up with negative results for fossil localities within the project site or nearby from similar sediments that underlie the project site.

Paleontological Records Search

The NHMLA sent a results letter regarding the paleontological resources records search on April 21, 2024. The museum indicated that after a preliminary records search that they had no relevant fossil localities within the region, and any localities they did have would be quite far from the project site (Attachment C).

Results of the Field Survey

The project site is an old orchard with heavily disturbed sediments. There was ground surface visibility throughout most of the site when the survey was conducted on June 21, 2024. Sediments consist of a medium brown loam with poorly sorted pebbles of granitic origin. No fossils were discovered during the intensive survey for paleontological resources.

4 Impact Analysis and Conclusions

4.1 Thresholds of Significance

The thresholds of significance used to evaluate the impacts of the proposed project related to paleontological resources are based on Appendix G of the California Environmental Quality Act (CEQA) Guidelines. A significant impact under CEQA would occur if the proposed project would:

Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.

4.2 Impact Analysis

a) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

No paleontological resources were identified within the project site as a result of the institutional records search or desktop geological and paleontological review. In addition, the project site is not anticipated to be underlain by unique geologic features. The project site underlain by Holocene to late Pleistocene sedimentary deposits, which have low paleontological sensitivity increasing with depth. If intact paleontological resources are located onsite, ground-disturbing activities associated with construction of the project, such as grading during site preparation and trenching for utilities and large diameter (two feet or greater), have the potential to destroy a unique paleontological resource or site. As such, the project site is considered to be potentially sensitive for paleontological resources, and without mitigation, the potential damage to paleontological resources during construction associated with the

Project is considered a potentially significant impact. Given the number of past fossil discoveries from similar Pleistocene and Pliocene deposits throughout the state of California, the project site is highly sensitive for supporting paleontological resources below the depth of fill and disturbed sedimentary deposits. However, upon implementation of MM-GEO-1, impacts would be reduced to below a level of significance. Impacts of the project are considered less than significant with mitigation incorporated during construction.

MM-GEO-1 Prior to commencement of any grading activity on-site, the applicant shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (SVP) (2010) guidelines. The paleontologist shall prepare a Paleontological Resources Mitigation and Monitoring Program (PRMMP) for the project. The PRMMP shall be consistent with the SVP (2010) guidelines and should outline requirements for preconstruction meeting attendance and worker environmental awareness training; where monitoring is required within the project site based on construction plans and/or geotechnical reports; procedures for adequate paleontological monitoring and discoveries treatment; and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management. The qualified paleontologist shall attend the preconstruction meeting and a qualified paleontological monitor shall be on-site during all rough grading and other significant ground-disturbing activities (including augering that is two feet in diameter or greater) in previously undisturbed, fine-grained Pleistocene and/or alluvial deposits. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Costs associated with fossil laboratory work and museum curation fees are the responsibility of the project applicant.

5 References

(CGS) California Geological Survey. 2002. “California Geomorphic Provinces”: Note 36. 4 pp.

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Harris, A.H. 2014. “Pleistocene Vertebrates of Southwestern USA and Northwestern Mexico.” Technical Manuscript; UTEP Biodiversity Collections, University of Texas at El Paso. https://www.utep.edu/leb/PleistNM/.

Jefferson, G.T. 1991. *A Catalog of Late Quaternary Vertebrates from California*. Natural History Museum of Los Angeles County Technical Reports, No. 7:1–174. Unpublished revision May 18, 2012.

Jefferson, G.T. 2003. *A Catalogue of Blancan and Irvingtonian Vertebrates and Floras from Arizona, Southern California, Nevada, Utah, and Northwestern Mexico* Incomplete draft of Unpublished technical report. February 25, 2010.

Jennings, C.W. and R.G. Strand. 1960, "Geologic Map of California: Ukiah Sheet" [map], 1:250,000. California Division of Mines and Geology, Geologic Atlas of California GAM-24.

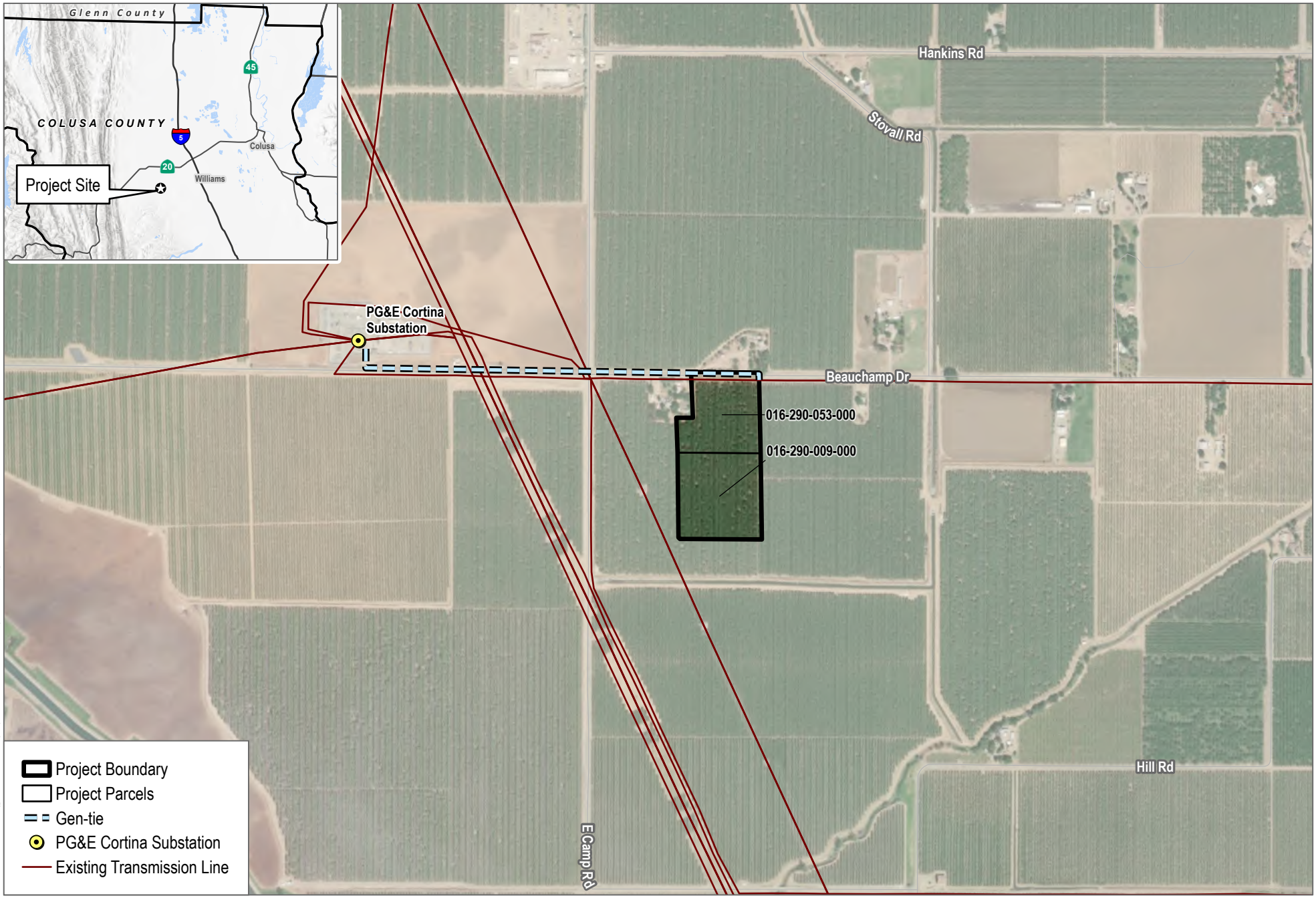
Jennings, C.W., C. Gutierrez, W. Bryant, G. Saucedo, and C. Willis. 2010. "Geologic Map of California" [map]. 1:750,000. California Geological Survey, Geologic Data Map GDM-2.2010.

(NHMLA) Natural History Museum of Los Angeles County. 2024. "Unpublished Records Search Results Letter from the Natural History Museum of Los Angeles County, Los Angeles, California". April 21, 2024. Alyssa Bell, PhD.

(SVP) Society of Vertebrate Paleontology. 2010. "Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources." 11 p. Available; https://vertpaleo.org/wp-content/uploads/2021/01/SVP_Impact_Mitigation_Guidelines-1.pdf.

Attachment A

Figure 1



SOURCE: Maxar 2021; Open Street Map 2023; Platts 2023

DUDEK

0 500 1,000 Feet

FIGURE 1

Project Vicinity

Saloon

Attachment B

Selected Field Photographs



View of sediments in Project area. Facing southwest.



View of majority of Project area. Facing south.

Confidential Attachment C

Paleontological Records Search Correspondence

Shawna Johnson

From: PaleoRecords@nhm.org
Sent: Sunday, April 21, 2024 11:35 AM
To: PaleoRecords@nhm.org
Cc: Shawna Johnson; Sarah Siren; Michael Williams
Subject: Re: Paleo Records Search Request Saloon BESS Project (PN:13993.39)

Hello,

After a preliminary review of our collections database, the NHMLA does not have relevant localities in the region. This does not reflect a lack of paleontological potential for the area, but rather represents an area we have not done much work in. I recommend requesting a records search from the University of California Museum of Paleontology instead, as they will have much better records from the area. If for some reason you are unable to obtain a search from the UCMP I can go ahead and process this one, but the results will be quite far from the project area.

Thank you,
Alyssa

Alyssa Bell, Ph.D.
Records & Collections
she/her/hers
abell@nhm.org

Natural History Museum of Los Angeles County

On Wednesday, April 17, 2024 at 12:22:40 PM UTC-7 Shawna Johnson wrote:

> Good Morning VP,
>
> Could you please run a paleo records search for the Confidential Saloon BESS Project (PN:13993.39) with the attached records search map? If you have any questions please let Mike and myself know. Have a great day!
>
> Thanks much,

Shawna Johnson
Paleontologist II

O: 7604794172 **C:** 4068763556
dudek.com

Appendix I
Preliminary Drainage Study

MEMORANDUM

To:	Mike Azevedo – Director of Public Works, Colusa County
From:	Chris Young, P.E. – Kimley-Horn and Associates, Inc.
Date:	October 29, 2024
Subject:	Saloon Energy Storage Project Preliminary Drainage Study Colusa County, California

Kimley-Horn and Associates, Inc. (Kimley-Horn) has prepared a preliminary drainage study for the proposed Saloon Energy Storage Project development in Colusa County, California. The intent of this study is to evaluate the approximate 50-year ponding depths within the subject tract due to flows associated with local rainfall in the vicinity of the subject tract. This study should be used for planning purposes only and should not be used for construction. The subject tract is approximately 13.4-acres and is located in Colusa County, approximately 6 miles southwest of Williams, California. The subject tract location is shown on the attached Vicinity Map. The following memorandum describes the methodology used to perform this analysis and results of the study.

EXISTING DRAINAGE CONDITIONS

The existing site currently is used as an agricultural orchard. The elevation of the project site ranges from approximately 146 to 142 feet above mean sea level (MSL). In the existing condition, stormwater sheet flows north across the orchard and discharges into the existing drainage ditch along Walnut Drive and is conveyed into the public storm drain system. Refer to Attachments for more information.

PROPOSED DRAINAGE CONDITIONS

The proposed site will consist of above and below ground electrical utilities installed as part of the Energy Storage Project. The proposed site drainage conditions will generally follow the existing drainage pattern. Runoff will sheet flow north towards a proposed detention basin and, ultimately, the existing drainage ditch along Walnut Drive that is conveyed into the public storm drain system. The proposed detention basin will be sized based on the increased runoff produced from the proposed site conditions for the 50-year storm. Onsite runoff that exceeds the proposed detention sizing on the northern portion of the site will continue to sheet flow and discharge directly into drainage ditch along Walnut Drive.

METHODOLOGY

Kimley-Horn understands that there is currently no published drainage design manual or guidelines for Colusa County. Based on a call with Mike Azevedo on September 9, 2024, Kimley-Horn was instructed to prepare a Preliminary Drainage Study based on the pre-development flows versus post-development flows for the on-site drainage area given a 50-year storm for a 24-hour duration period. It is understood that the project is required detain any increased runoff that would occur as a result of the post-development conditions. The following design assumptions were made as part of this analysis:

- Modified Rational Method was the hydrologic method utilized to estimate the direct runoff.
- Watersheds were delineated using topographic data from the ALTA/NSPS Land Title Survey dated May 9, 2024, prepared by Kimley-Horn and Associates, Inc.
- Rainfall data was collected from the National Oceanic and Atmospheric Administration (NOAA) Atlas 14 to determine the rainfall intensities for the subject tract.
- The Manning's n value was assigned based on existing land use, defined by aerial imagery and the National Land Cover Database.
- Time of Concentration were calculated per the TR-55 Methodology. The Manning's "n" coefficient was assigned to each watershed based on existing topography and aerial imagery.
- Runoff coefficients were calculated using Figure 819.2A – Runoff Coefficients for Undeveloped Areas Watershed Types from the CalTrans Highway Design Manual dated July 1, 2020.

DETENTION ANALYSIS AND RESULTS

Based on the results of the TR-55 calculations, the time of concentration for the existing condition was 61.80 minutes and the time of concentration for the proposed condition was 31.50 minutes. A stage-storage-discharge analysis was performed to size the detention basin. Proposed gravel roads and pads were considered pervious, and concrete pads were considered 100% impervious. A detention basin will be requirem to mitigate **14,426 cubic feet**. The basin will provide onsite storage and mitigate outflows to existing flow rates. Outflows will be conveyed via sheet flow to the existing drainage ditch along Walnut Drive.

A summary of peak flows for the detention basin is shows in Table 1 below. Given the existing terrain across the site, the basin was assumed to have a footprint of 9,625 square feet and be 18 inches deep (and 6" of freeboard), with 4:1 side slopes. Detailed hydrologic calculations are attached.

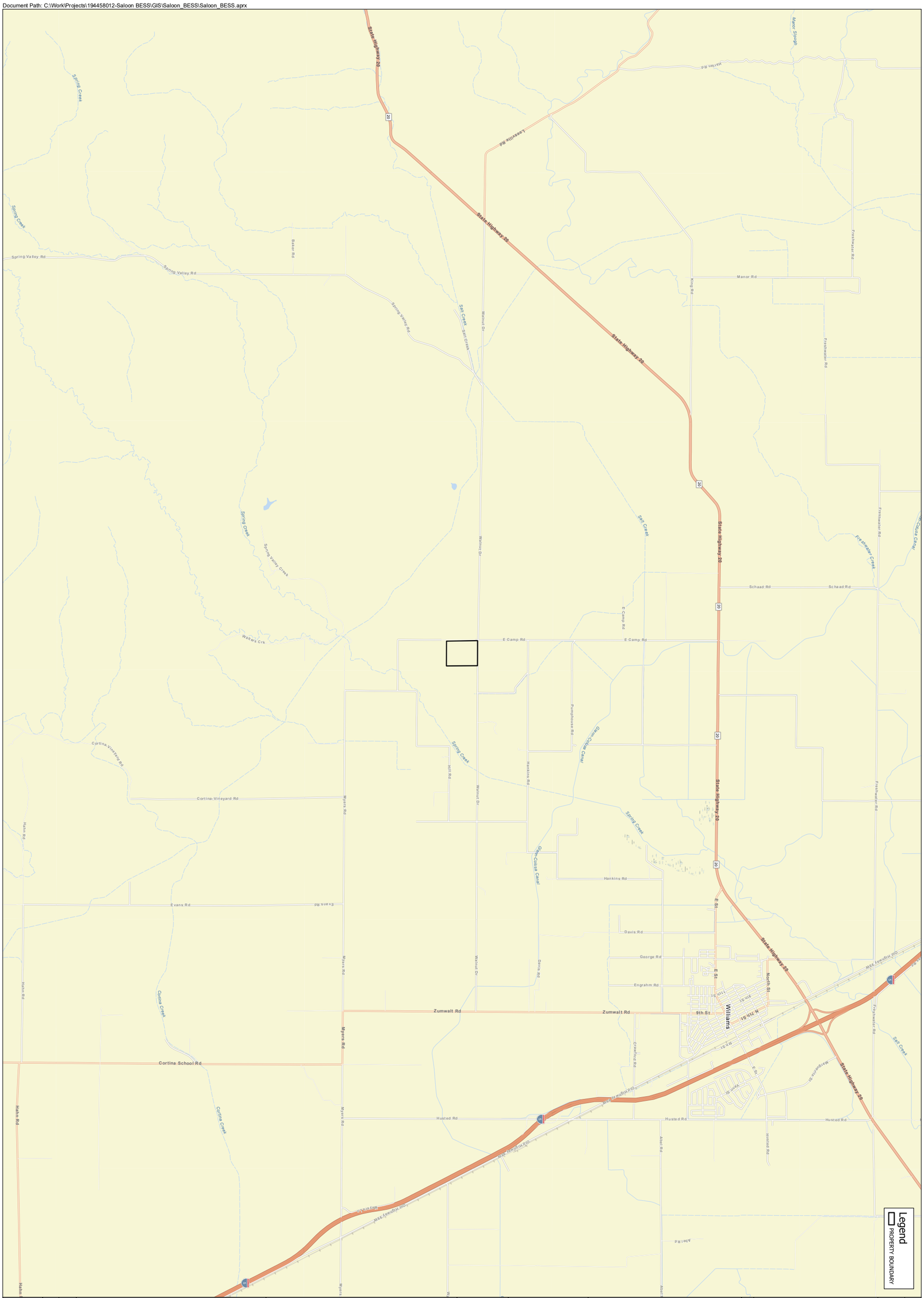
Table 1: Detention Summary

Subbasin	Existing Q (cfs)	Proposed Q (cfs)	Mitigated Proposed Q (cfs)	Storage Required (CF)	Storage Provided (CF)
Site	6.34	11.65	5.31	14,426	14,437

ATTACHMENTS

- ATTACHMENT 1 - Vicinity Map
- ATTACHMENT 2 -NOAA Atlas 14 Precipitation Data
- ATTACHMENT 3 -Hydrologic Calculations
- ATTACHMENT 4 -Proposed Drainage Area Map

Document Path: C:\Work\Projects\194458012-Saloon BESS\GIS\Saloon_BESS\Saloon_BESS.aprx



SHEET NUMBER: 1	PROJECT NO: 194458012	DATE: OCTOBER 2024	VICINITY MAP	SALOON ENERGY STORAGE PROJECT COLUSA COUNTY, CA	1 inch = 2,000 feet	Kimley»Horn 1100 W TOWN & COUNTRY RD, SUITE 700 ORANGE, CA 92868 PHONE: 714-939-1030

DESIGN:	RR
DRAWN:	RR
REVIEW:	AAT

NOAA Atlas 14, Volume 6, Version 2
Location name: Williams, California, USA*
Latitude: 39.1178°, Longitude: -122.2135°
Elevation: 144 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.102** (0.091-0.116)	**0.133** (0.118-0.151)	**0.173** (0.153-0.197)	**0.206** (0.181-0.236)	**0.251** (0.212-0.300)	**0.286** (0.236-0.350)	**0.322** (0.258-0.406)	**0.360** (0.279-0.468)	**0.411** (0.305-0.561)	**0.452** (0.322-0.641)
10-min	**0.147** (0.131-0.166)	**0.190** (0.169-0.216)	**0.247** (0.219-0.282)	**0.295** (0.259-0.339)	**0.360** (0.304-0.430)	**0.410** (0.338-0.502)	**0.462** (0.370-0.581)	**0.516** (0.401-0.670)	**0.590** (0.437-0.804)	**0.648** (0.462-0.919)
15-min	**0.177** (0.158-0.201)	**0.230** (0.204-0.261)	**0.299** (0.265-0.341)	**0.356** (0.313-0.410)	**0.435** (0.367-0.520)	**0.496** (0.409-0.607)	**0.558** (0.448-0.703)	**0.624** (0.484-0.811)	**0.713** (0.528-0.972)	**0.784** (0.559-1.11)
30-min	**0.243** (0.217-0.276)	**0.315** (0.280-0.358)	**0.410** (0.364-0.468)	**0.488** (0.429-0.562)	**0.596** (0.504-0.712)	**0.680** (0.561-0.832)	**0.765** (0.614-0.964)	**0.855** (0.664-1.11)	**0.978** (0.724-1.33)	**1.07** (0.766-1.52)
60-min	**0.341** (0.304-0.387)	**0.442** (0.393-0.502)	**0.575** (0.510-0.655)	**0.685** (0.601-0.787)	**0.835** (0.706-0.998)	**0.952** (0.785-1.17)	**1.07** (0.860-1.35)	**1.20** (0.931-1.56)	**1.37** (1.02-1.87)	**1.51** (1.07-2.13)
2-hr	**0.509** (0.454-0.578)	**0.642** (0.571-0.729)	**0.817** (0.725-0.931)	**0.961** (0.844-1.11)	**1.16** (0.979-1.38)	**1.31** (1.08-1.61)	**1.47** (1.18-1.85)	**1.63** (1.27-2.12)	**1.86** (1.38-2.53)	**2.04** (1.45-2.88)
3-hr	**0.652** (0.580-0.739)	**0.813** (0.723-0.923)	**1.02** (0.908-1.17)	**1.20** (1.05-1.38)	**1.44** (1.21-1.72)	**1.62** (1.34-1.99)	**1.81** (1.45-2.28)	**2.01** (1.56-2.61)	**2.28** (1.69-3.11)	**2.49** (1.78-3.53)
6-hr	**0.966** (0.860-1.10)	**1.19** (1.06-1.35)	**1.49** (1.32-1.70)	**1.73** (1.52-1.99)	**2.06** (1.74-2.47)	**2.32** (1.92-2.84)	**2.58** (2.07-3.26)	**2.86** (2.22-3.72)	**3.23** (2.39-4.40)	**3.52** (2.51-4.99)
12-hr	**1.30** (1.16-1.48)	**1.61** (1.44-1.83)	**2.02** (1.80-2.31)	**2.36** (2.07-2.72)	**2.82** (2.38-3.37)	**3.17** (2.62-3.88)	**3.53** (2.83-4.45)	**3.91** (3.04-5.08)	**4.42** (3.27-6.02)	**4.81** (3.43-6.82)
24-hr	**1.64** (1.47-1.86)	**2.05** (1.84-2.33)	**2.59** (2.33-2.95)	**3.04** (2.70-3.48)	**3.64** (3.15-4.28)	**4.10** (3.49-4.91)	**4.57** (3.82-5.59)	**5.06** (4.13-6.33)	**5.72** (4.51-7.41)	**6.24** (4.78-8.32)
2-day	**2.08** (1.87-2.36)	**2.62** (2.35-2.97)	**3.31** (2.97-3.77)	**3.87** (3.45-4.44)	**4.63** (4.02-5.45)	**5.21** (4.44-6.24)	**5.80** (4.84-7.08)	**6.40** (5.22-8.00)	**7.21** (5.68-9.33)	**7.83** (6.00-10.4)
3-day	**2.34** (2.11-2.65)	**2.95** (2.65-3.35)	**3.74** (3.36-4.26)	**4.38** (3.90-5.01)	**5.23** (4.53-6.15)	**5.87** (5.00-7.03)	**6.52** (5.45-7.97)	**7.18** (5.86-8.98)	**8.07** (6.36-10.4)	**8.74** (6.69-11.7)
4-day	**2.55** (2.30-2.89)	**3.23** (2.90-3.67)	**4.10** (3.68-4.67)	**4.80** (4.28-5.50)	**5.73** (4.97-6.75)	**6.43** (5.48-7.70)	**7.13** (5.96-8.72)	**7.84** (6.40-9.81)	**8.79** (6.93-11.4)	**9.51** (7.28-12.7)
7-day	**3.11** (2.80-3.52)	**3.98** (3.58-4.51)	**5.08** (4.55-5.77)	**5.94** (5.30-6.80)	**7.08** (6.14-8.33)	**7.93** (6.76-9.49)	**8.76** (7.32-10.7)	**9.60** (7.84-12.0)	**10.7** (8.43-13.9)	**11.5** (8.83-15.4)
10-day	**3.47** (3.12-3.94)	**4.47** (4.02-5.07)	**5.72** (5.13-6.51)	**6.70** (5.97-7.67)	**7.97** (6.91-9.38)	**8.90** (7.58-10.7)	**9.81** (8.20-12.0)	**10.7** (8.75-13.4)	**11.9** (9.38-15.4)	**12.8** (9.78-17.0)
20-day	**4.37** (3.93-4.95)	**5.68** (5.10-6.44)	**7.28** (6.53-8.28)	**8.50** (7.57-9.73)	**10.0** (8.71-11.8)	**11.2** (9.51-13.4)	**12.2** (10.2-14.9)	**13.3** (10.8-16.6)	**14.6** (11.5-18.9)	**15.5** (11.9-20.7)
30-day	**5.25** (4.73-5.96)	**6.83** (6.14-7.75)	**8.73** (7.83-9.93)	**10.2** (9.06-11.6)	**12.0** (10.4-14.1)	**13.2** (11.3-15.8)	**14.4** (12.0-17.6)	**15.6** (12.7-19.5)	**17.0** (13.4-22.0)	**18.0** (13.8-24.0)
45-day	**6.58** (5.93-7.47)	**8.51** (7.65-9.66)	**10.8** (9.69-12.3)	**12.5** (11.1-14.3)	**14.6** (12.7-17.2)	**16.0** (13.7-19.2)	**17.4** (14.5-21.3)	**18.7** (15.3-23.4)	**20.3** (16.0-26.3)	**21.4** (16.4-28.5)
60-day	**7.83** (7.04-8.88)	**10.0** (9.02-11.4)	**12.6** (11.3-14.4)	**14.5** (12.9-16.6)	**16.8** (14.6-19.8)	**18.4** (15.7-22.1)	**19.9** (16.6-24.3)	**21.3** (17.4-26.6)	**23.0** (18.1-29.7)	**24.1** (18.5-32.2)

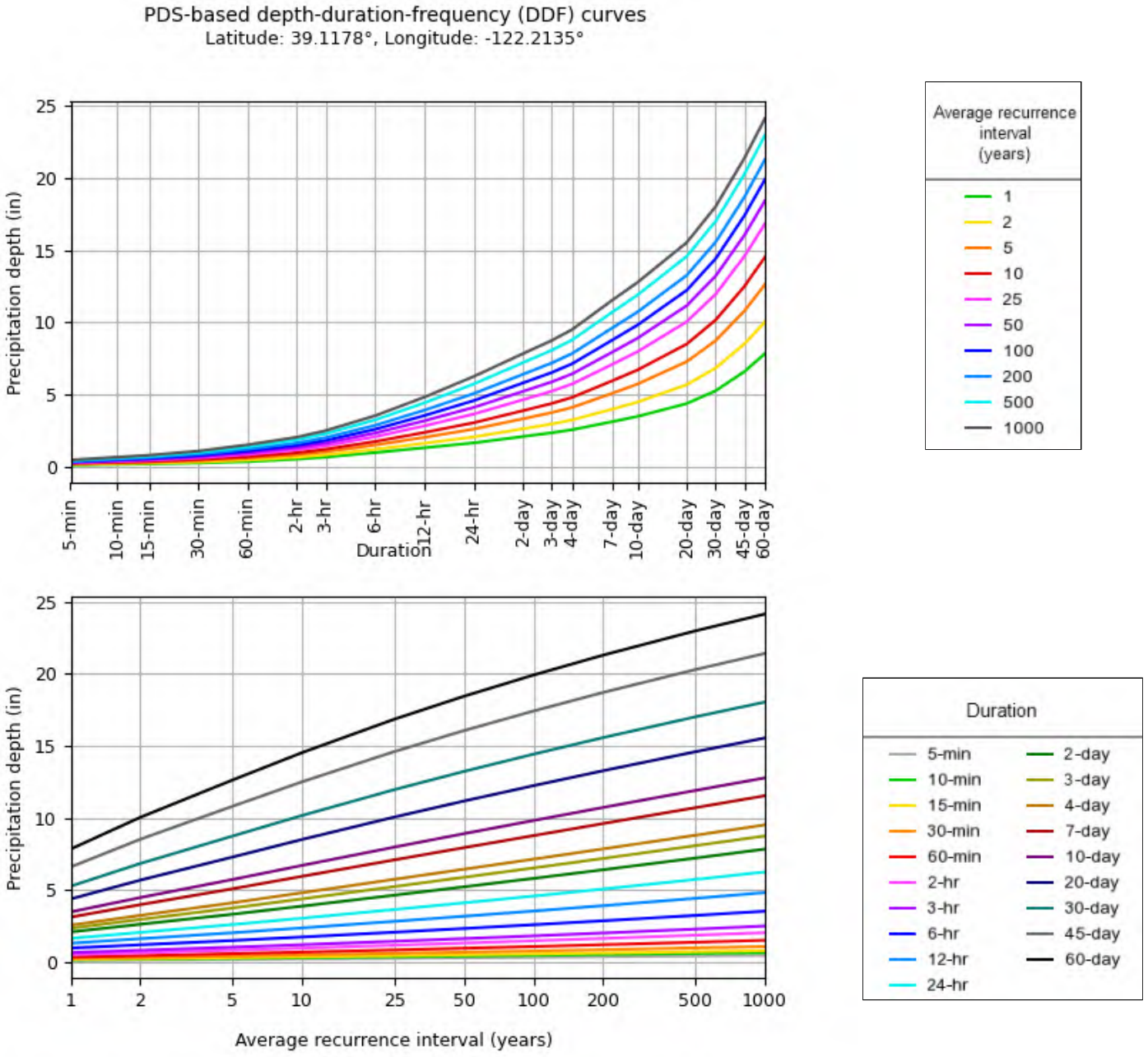
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

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PF graphical



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Maps & aerials

Small scale terrain

@ 100yr
20 min = 1.99
40 min = 1.37
50 min = 1.22
80 min = 0.95
90 min = 0.90
100 min = 0.84
110 min = 0.79

NOAA Atlas 14, Volume 6, Version 2
Location name: Williams, California, USA*
Latitude: 39.1178°, Longitude: -122.2135°
Elevation: 144 ft**
* source: ESRI Maps
** source: USGS

@ 100yr
16.3 min = 2.17
27.1 min = 1.67
27.9 min = 1.62
32.2 min = 1.49
44.7 min = 1.30
70 min = 1.01
73.2 min = 0.99
74.6 min = 0.99

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	1.22 (1.09-1.39)	1.60 (1.42-1.81)	2.08 (1.84-2.36)	2.47 (2.17-2.83)	3.01 (2.54-3.60)	3.43 (2.83-4.20)	3.86 (3.10-4.87)	4.32 (3.35-5.62)	4.93 (3.66-6.73)	5.42 (3.86-7.69)
10-min	0.882 (0.786-0.996)	1.14 (1.01-1.30)	1.48 (1.31-1.69)	1.77 (1.55-2.03)	2.16 (1.82-2.58)	2.46 (2.03-3.01)	2.77 (2.22-3.49)	3.10 (2.41-4.02)	3.54 (2.62-4.82)	3.89 (2.77-5.51)
15-min	0.708 (0.632-0.804)	0.920 (0.816-1.04)	1.20 (1.06-1.36)	1.42 (1.25-1.64)	1.74 (1.47-2.08)	1.98 (1.64-2.43)	2.23 (1.79-2.81)	2.50 (1.94-3.24)	2.85 (2.11-3.89)	3.14 (2.24-4.44)
30-min	0.486 (0.434-0.552)	0.630 (0.560-0.716)	0.820 (0.728-0.936)	0.976 (0.858-1.12)	1.19 (1.01-1.42)	1.36 (1.12-1.66)	1.53 (1.23-1.93)	1.71 (1.33-2.22)	1.96 (1.45-2.67)	2.15 (1.53-3.05)
60-min	0.341 (0.304-0.387)	0.442 (0.393-0.502)	0.575 (0.510-0.655)	0.685 (0.601-0.787)	0.835 (0.706-0.998)	0.952 (0.785-1.17)	1.07 (0.860-1.35)	1.20 (0.931-1.56)	1.37 (1.02-1.87)	1.51 (1.07-2.13)
2-hr	0.254 (0.227-0.289)	0.321 (0.285-0.364)	0.408 (0.362-0.465)	0.480 (0.422-0.553)	0.579 (0.489-0.692)	0.656 (0.541-0.803)	0.735 (0.589-0.925)	0.816 (0.634-1.06)	0.929 (0.688-1.27)	1.02 (0.725-1.44)
3-hr	0.217 (0.193-0.246)	0.270 (0.240-0.307)	0.341 (0.302-0.388)	0.399 (0.350-0.459)	0.478 (0.404-0.572)	0.540 (0.445-0.661)	0.603 (0.483-0.759)	0.668 (0.519-0.869)	0.759 (0.562-1.03)	0.829 (0.591-1.18)
6-hr	0.161 (0.143-0.182)	0.198 (0.176-0.225)	0.248 (0.220-0.283)	0.289 (0.253-0.332)	0.344 (0.291-0.411)	0.387 (0.319-0.474)	0.431 (0.346-0.543)	0.477 (0.370-0.620)	0.539 (0.399-0.735)	0.588 (0.419-0.833)
12-hr	0.108 (0.096-0.122)	0.133 (0.119-0.152)	0.168 (0.148-0.191)	0.195 (0.172-0.225)	0.233 (0.197-0.279)	0.263 (0.217-0.322)	0.293 (0.235-0.369)	0.324 (0.251-0.421)	0.366 (0.271-0.499)	0.399 (0.284-0.566)
24-hr	0.068 (0.061-0.077)	0.085 (0.076-0.097)	0.108 (0.096-0.122)	0.126 (0.112-0.144)	0.151 (0.131-0.178)	0.170 (0.145-0.204)	0.190 (0.159-0.232)	0.210 (0.172-0.263)	0.238 (0.187-0.308)	0.260 (0.199-0.346)
2-day	0.043 (0.039-0.049)	0.054 (0.048-0.061)	0.068 (0.061-0.078)	0.080 (0.071-0.092)	0.096 (0.083-0.113)	0.108 (0.092-0.129)	0.120 (0.100-0.147)	0.133 (0.108-0.166)	0.150 (0.118-0.194)	0.163 (0.124-0.217)
3-day	0.032 (0.029-0.036)	0.040 (0.036-0.046)	0.051 (0.046-0.059)	0.060 (0.054-0.069)	0.072 (0.062-0.085)	0.081 (0.069-0.097)	0.090 (0.075-0.110)	0.099 (0.081-0.124)	0.112 (0.088-0.145)	0.121 (0.092-0.161)
4-day	0.026 (0.023-0.030)	0.033 (0.030-0.038)	0.042 (0.038-0.048)	0.050 (0.044-0.057)	0.059 (0.051-0.070)	0.067 (0.057-0.080)	0.074 (0.062-0.090)	0.081 (0.066-0.102)	0.091 (0.072-0.118)	0.099 (0.075-0.132)
7-day	0.018 (0.016-0.020)	0.023 (0.021-0.026)	0.030 (0.027-0.034)	0.035 (0.031-0.040)	0.042 (0.036-0.049)	0.047 (0.040-0.056)	0.052 (0.043-0.063)	0.057 (0.046-0.071)	0.063 (0.050-0.082)	0.068 (0.052-0.091)
10-day	0.014 (0.013-0.016)	0.018 (0.016-0.021)	0.023 (0.021-0.027)	0.027 (0.024-0.031)	0.033 (0.028-0.039)	0.037 (0.031-0.044)	0.040 (0.034-0.049)	0.044 (0.036-0.055)	0.049 (0.039-0.064)	0.053 (0.040-0.070)
20-day	0.009 (0.008-0.010)	0.011 (0.010-0.013)	0.015 (0.013-0.017)	0.017 (0.015-0.020)	0.020 (0.018-0.024)	0.023 (0.019-0.027)	0.025 (0.021-0.031)	0.027 (0.022-0.034)	0.030 (0.023-0.039)	0.032 (0.024-0.043)
30-day	0.007 (0.006-0.008)	0.009 (0.008-0.010)	0.012 (0.010-0.013)	0.014 (0.012-0.016)	0.016 (0.014-0.019)	0.018 (0.015-0.021)	0.020 (0.016-0.024)	0.021 (0.017-0.027)	0.023 (0.018-0.030)	0.025 (0.019-0.033)
45-day	0.006 (0.005-0.006)	0.007 (0.007-0.008)	0.009 (0.008-0.011)	0.011 (0.010-0.013)	0.013 (0.011-0.015)	0.014 (0.012-0.017)	0.016 (0.013-0.019)	0.017 (0.014-0.021)	0.018 (0.014-0.024)	0.019 (0.015-0.026)
60-day	0.005 (0.004-0.006)	0.006 (0.006-0.007)	0.008 (0.007-0.009)	0.010 (0.008-0.011)	0.011 (0.010-0.013)	0.012 (0.010-0.015)	0.013 (0.011-0.016)	0.014 (0.012-0.018)	0.015 (0.012-0.020)	0.016 (0.012-0.022)

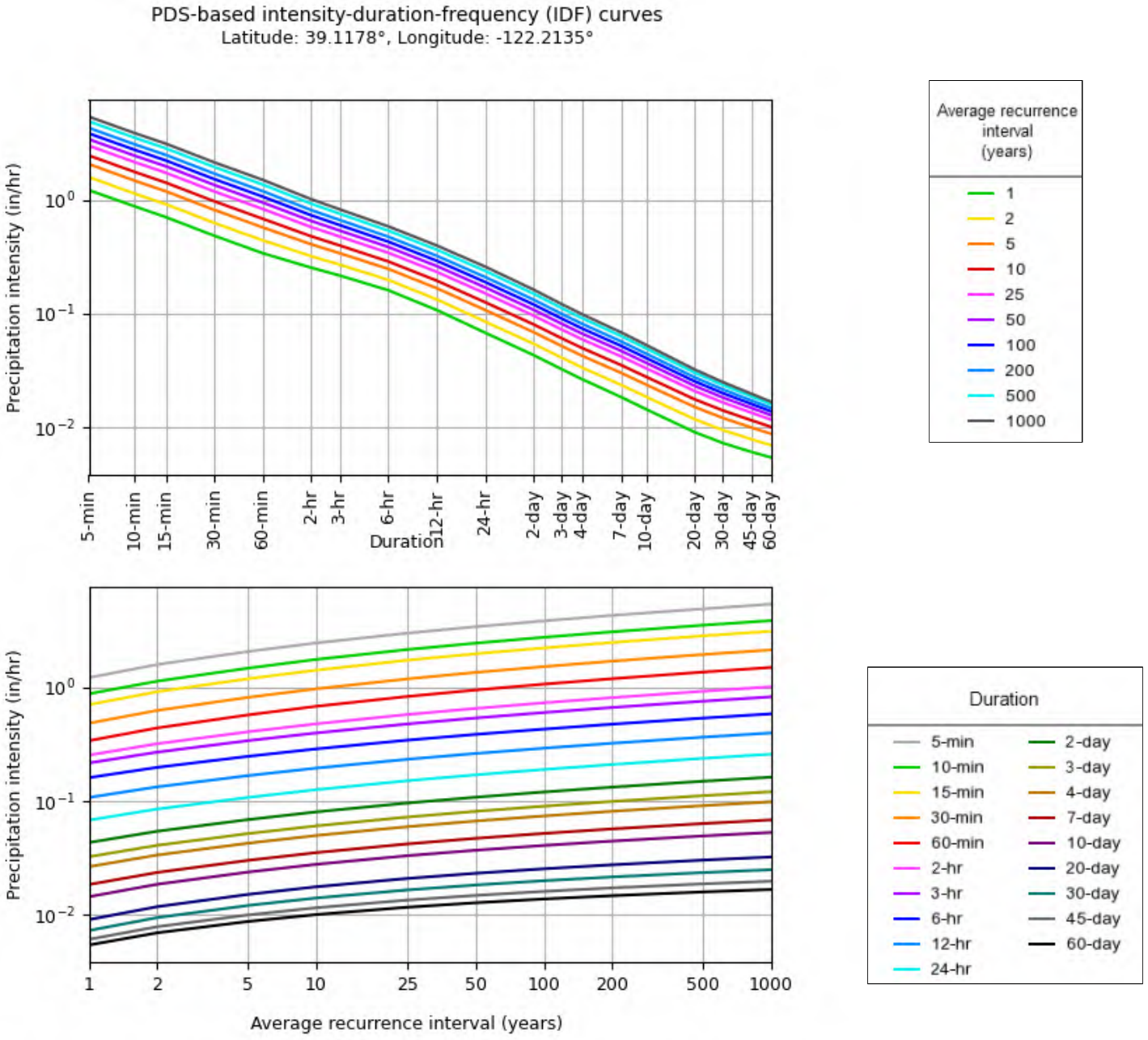
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

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PF graphical



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Maps & aerials

Small scale terrain

Drainage / Detention Calculations
Modified Rational Method
50-Year Event

Onsite Existing Conditions		
Area	18.75	acres
Time (T_c)	61.80	minutes
C value	0.36	
I_{50}	0.94	in/hr
Q_{50}	**6.34**	**cfs**

6.34 cfs **Allowable Release**

Onsite Proposed Conditions		
Area	18.75	acres
Time (T_c)	31.50	minutes
C value	0.46	
I_{50}	1.34	in/hr
Q_{50}	**11.65**	**cfs**

Developed Runoff

Runoff per Storm Event - Developed

Time (min.)	I_{100}	C value	Area (ac)	Runoff (cfs)
10	2.46	0.46	18.75	21.38
15	1.98	0.46	18.75	17.21
20	1.77	0.46	18.75	15.38
30	1.36	0.46	18.75	11.82
40	1.22	0.46	18.75	10.60
50	1.09	0.46	18.75	9.47
60	0.95	0.46	18.75	8.27
70	0.90	0.46	18.75	7.82
80	0.85	0.46	18.75	7.39
90	0.80	0.46	18.75	6.95
100	0.75	0.46	18.75	6.52
110	0.71	0.46	18.75	6.17
120	0.66	0.46	18.75	5.70

Inflow per Storm Event

Time (min.)	Runoff (cfs)	Inflow (ft^3)
10	21.38	12,829
15	17.21	15,489
20	15.38	18,461
30	11.82	21,277
40	10.60	25,449
50	9.47	28,422
60	8.27	29,788
70	7.82	32,855
80	7.39	35,462
90	6.95	37,548
100	6.52	39,113
110	6.17	40,730
120	5.70	41,053

Outflow per Storm Event

Duration	Time	Release	Outflow (ft^3)
10	41.5	6.34	7,898
15	46.5	6.34	8,849
20	51.5	6.34	9,801
30	61.5	6.34	11,704
40	71.5	6.34	13,607
50	81.5	6.34	15,510
60	91.5	6.34	17,413
70	101.5	6.34	19,316
80	111.5	6.34	21,219
90	121.5	6.34	23,123
100	131.5	6.34	25,026
110	141.5	6.34	26,929
120	151.5	6.34	28,832

Detention Volume

Duration	Inflow	Outflow	Storage (ft^3)	
10	12,829	7,898	4,931	
15	15,489	8,849	6,639	
20	18,461	9,801	8,660	
30	21,277	11,704	9,573	
40	25,449	13,607	11,842	
50	28,422	15,510	12,912	
60	29,788	17,413	12,375	
70	32,855	19,316	13,538	
80	35,462	21,219	14,243	
90	37,548	23,123	14,426	**<-- Max = 0.33 ac-ft**
100	39,113	25,026	14,087	
110	40,730	26,929	13,801	
120	41,053	28,832	12,221	

Figure 819.2A

Runoff Coefficients for Undeveloped Areas Watershed Types

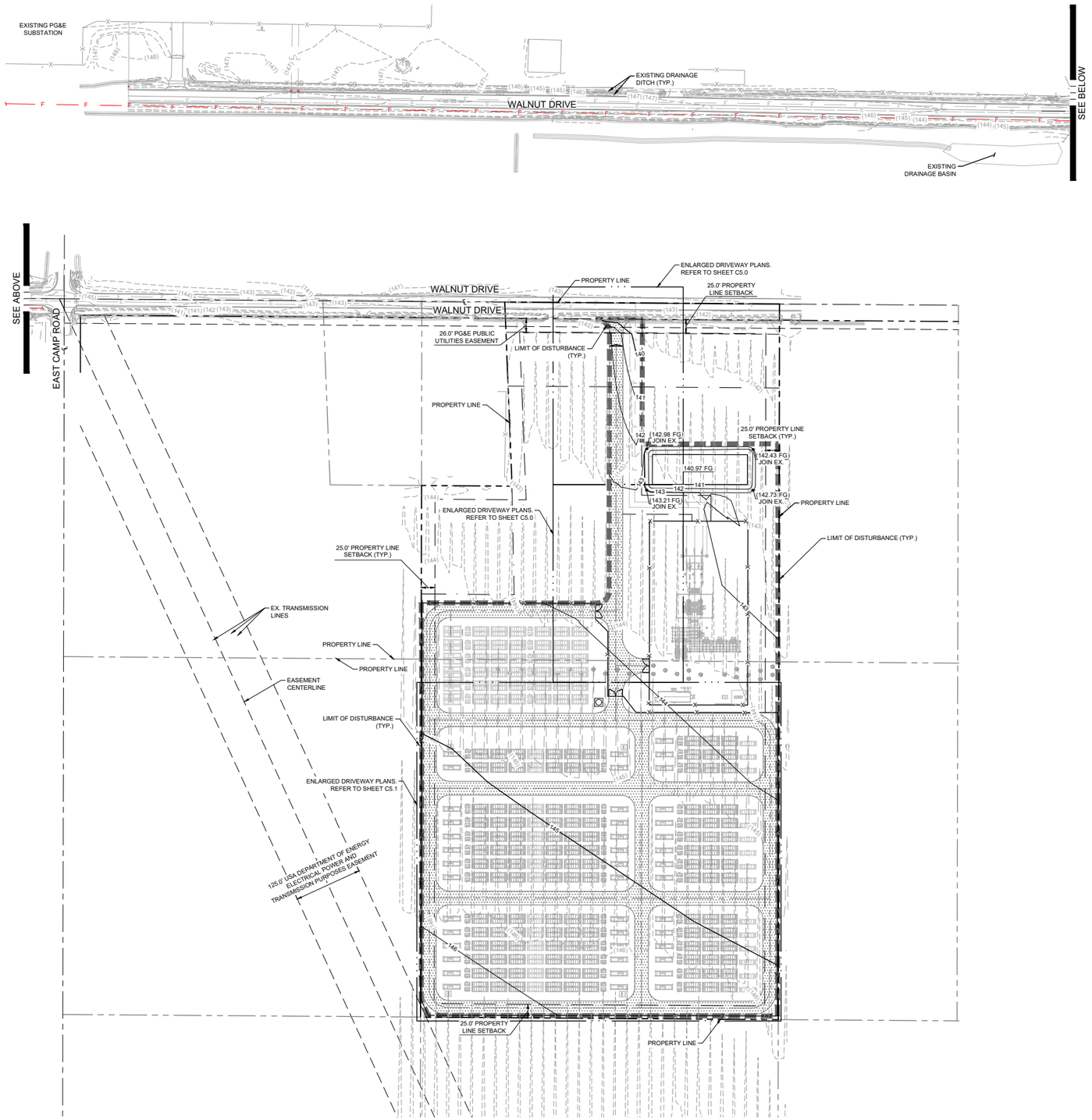
	Extreme	High	Normal	Low
Relief	.28 -.35 Steep, rugged terrain with average slopes above 30%	.20 -.28 Hilly, with average slopes of 10 to 30%	.14 -.20 Rolling, with average slopes of 5 to 10%	.08 -.14 Relatively flat land, with average slopes of 0 to 5%
Soil Infiltration	.12 -.16 No effective soil cover, either rock or thin soil mantle of negligible infiltration capacity	.08 -.12 Slow to take up water, clay or shallow loam soils of low infiltration capacity, imperfectly or poorly drained	.06 -.08 Normal; well drained light or medium textured soils, sandy loams, silt and silt loams	.04 -.06 High; deep sand or other soil that takes up water readily, very light well drained soils
Vegetal Cover	.12 -.16 No effective plant cover, bare or very sparse cover	.08 -.12 Poor to fair; clean cultivation crops, or poor natural cover, less than 20% of drainage area over good cover	.06 -.08 Fair to good; about 50% of area in good grassland or woodland, not more than 50% of area in cultivated crops	.04 -.06 Good to excellent; about 90% of drainage area in good grassland, woodland or equivalent cover
Surface Storage	.10 -.12 Negligible surface depression few and shallow; drainageways steep and small, no marshes	.08 -.10 Low; well defined system of small drainageways; no ponds or marshes	.06 -.08 Normal; considerable surface depression storage; lakes and pond marshes	.04 -.06 High; surface storage, high; drainage system not sharply defined; large floodplain storage or large number of ponds or marshes
Given	An undeveloped watershed consisting of; 1) rolling terrain with average slopes of 5%, 2) clay type soils, 3) good grassland area, and 4) normal surface depressions.		Solution: Relief 0.14 Soil Infiltration 0.08 Vegetal Cover 0.04 Surface Storage 0.06 C = 0.32	
Find	The runoff coefficient, C, for the above watershed.			

TIME OF CONCENTRATION & LAG TIME
PRE-PROJECT WATERSHED CONDITIONS
TR-55 Methodology

	SHEET FLOW Tc = (0.42(nL)^0.8)/(P2^0.5)(s^0.4) 2-year/24-hr Rainfall Depth (in.) = 2.05						**SHALLOW CONCENTRATED FLOW** Tc = L / 60*V						**OPEN CHANNEL FLOW** Tc = L / 60*V V = (1.49/n)*R^(2/3)*s^(1/2)												**TOTAL**	
Basin	Length (ft)	$Elev_1$	$Elev_2$	Slope (ft/ft)	Manning's "n"	T_{c1} (min)	Length (ft)	$Elev_2$	$Elev_3$	Slope (ft/ft)	Condition TR-55 Fig. 3-1	V_{avg} (ft/s)	T_{c2} (min)	Length (ft)	Manning's "n"	Width (ft)	Side Slope (ft/ft)	Depth (ft)	Area (ft^2)	Perimeter (ft)	Radius (ft)	$Elev_3$	$Elev_4$	Slope (ft/ft)	V_{avg} (ft/s)	T_{c3} (min)	T_{cTOTAL} * (min)	T_{lag} $0.6*T_c$ (min)
DA-1	300	146.4	145.5	0.0030	0.100	45.5	985	145.470	141.370	0.0042	Unpaved	1.04	15.8	142	0.05	3	0.25	2	20	17.6	1.14	141.4	138.46	0.0205	4.65	0.51	61.8	37.1

TIME OF CONCENTRATION & LAG TIME
POST-PROJECT WATERSHED CONDITIONS
TR-55 Methodology

	SHEET FLOW Tc = (0.42(nL)^0.8)/(P2^0.5)(s^0.4) 2-year/24-hr Rainfall Depth (in.) = 2.05						**SHALLOW CONCENTRATED FLOW** Tc = L / 60*V							**OPEN CHANNEL FLOW** Tc = L / 60*V V = (1.49/n)*R^(2/3)*s^(1/2)												**TOTAL**	
Basin	Length	$Elev_1$	$Elev_2$	Slope	Manning's	T_{c1}	Length	$Elev_2$	$Elev_3$	Slope	Condition	V_{avg}	T_{c2}	Length	Manning's	Width	Side Slope	Depth	Area	Perimeter	Radius	$Elev_3$	$Elev_4$	Slope	V_{avg}	T_{c3}	T_{cTOTAL} *	T_{lag}
	(ft)			(ft/ft)	"n"	(min)	(ft)			(ft/ft)	TR-55 Fig. 3-1	(ft/s)	(min)	(ft)	"n"	(ft)	(ft/ft)	(ft)	(ft^2)	(ft)	(ft)			(ft/ft)	(ft/s)	(min)	(min)	0.6*T_c (min)
DA-1	300	146.4	145.5	0.0030	0.013	8.9	1285.9	145.470	142.550	0.0023	Paved	0.97	22.1	150.1	0.05	3	0.25	2	20	17.6	1.14	142.6	138.46	0.0272	5.36	0.47	31.5	18.9



LEGEND

- PROPOSED BATTERY ENERGY STORAGE SYSTEMS
- PROPOSED BESS FUTURE AUGMENTATION CONTAINERS
- PROPOSED TRANSFORMER
- PROJECT PROPERTY LINE
- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING CENTERLINE
- LIMIT OF DISTURBANCE LINE, TREES TO BE CLEARED WITHIN THIS BOUNDARY
- PROPOSED SITE PERIMETER SECURITY FENCE
- PROPOSED GENERATION TRANSMISSION LINE
- PROPOSED 25' ALL WEATHER ACCESS ROAD
- SETBACK
- PROPOSED 25' SITE ACCESS GATE
- LANDSCAPE BUFFER
- EASEMENT
- EXPANSION AREA
- (XXX) EXISTING CONTOUR
- XXX PROPOSED CONTOUR
- DAYLIGHT LINE
- PROPOSED FLOWLINE
- (XXX.XX) EG EXISTING SPOT GRADE
- XXX.XX FG PROPOSED SPOT GRADE
- (X.XX)% EXISTING FLOW (DIRECTION AND SLOPE)
- X.XX% PROPOSED FLOW (DIRECTION AND SLOPE)

GENERAL NOTES

1. BESS CONTAINERS, INVERTERS, AND INTERCONNECTION EQUIPMENT LOCATIONS SHOWN FOR REFERENCE ONLY. DESIGN AND FINAL LAYOUT PER DRAWINGS [XXXX].
2. TO PROTECT EQUIPMENT FROM POTENTIAL PONDING OR OVERLAND STORMWATER FLOW, ALL EQUIPMENT SKIDS/PADS (FOR INVERTERS, INTERCONNECTION EQUIPMENT, ETC.) SHALL BE ELEVATED A MINIMUM OF 12" ABOVE 100 YEAR FLOOD ELEVATION.
3. THE NEW ON-SITE ROAD SURFACE CLOSELY MATCHES THE EXISTING SURFACE GRADES. THE INTENT IS TO MAINTAIN EXISTING SURFACE FLOWS ACROSS THE SITE AND ELIMINATE AREAS OF PONDING.
4. FOR ONSITE AND OFFSITE DRAINAGE ANALYSIS, REFER TO "ONSITE AND OFFSITE DRAINAGE REPORT" FOR SALOON BESS, PREPARED BY KIMLEY-HORN, DATED MONTH, YEAR.

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

Know what's below. Call before you dig.

No.	REVISIONS	DATE	BY

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KHA PROJECT 194458012
DATE 10/22/2024
SCALE AS SHOWN
DESIGNED BY BC
DRAWN BY BC
CHECKED BY CY

CONCEPTUAL GRADING AND DRAINAGE PLAN

SALOON ENERGY STORAGE
PREPARED FOR
SALOON ENERGY STORAGE LLC
COLUSA COUNTY
CA

SHEET NUMBER
C4.0

Plotted By: Young, Chris Sheet Set: Kho Layout: GRADING PLAN October 22, 2024 12:04:29pm \\kimley-horn.com\ca_sac\SCL_Energy\194458012_QCells_Saloon_Energy_Storage\CAD\PlanSheets\C4.0 – GRADING AND DRAINAGE PLAN.dwg
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Appendix J
Noise Section Appendix

NOISE APPENDIX

Noise Field Data

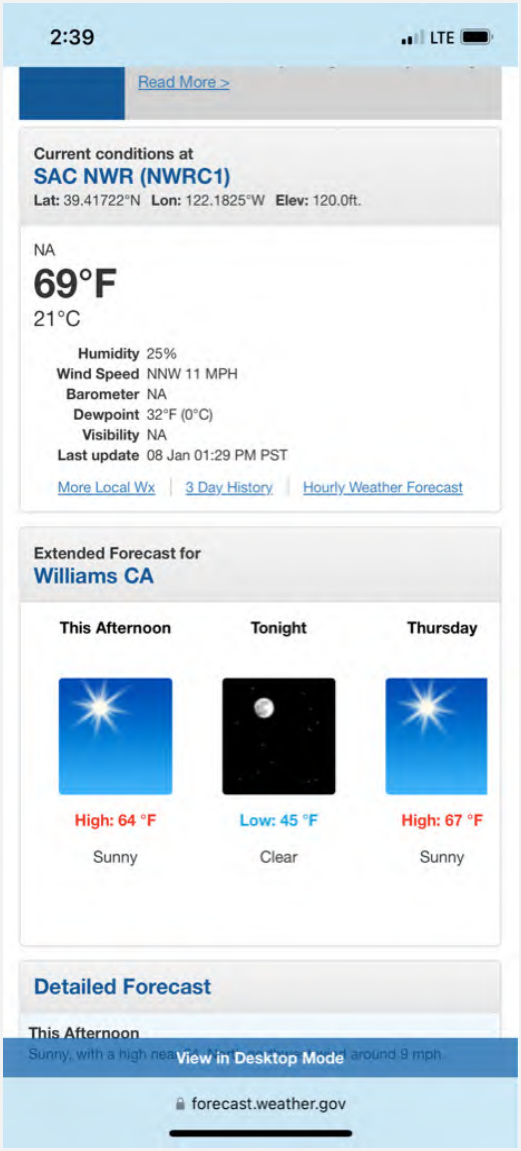
FORMS FIELD DATA REPORT

Field Noise Measurement Data

Record: 2031	
Project Name	*Saloon BESS*
Project #	*13993.51*
Date	*2025-01-08*

Meteorological Conditions

Upload NOAA Forecast



Temp (F)	*69*
Humidity % (R.H.)	*25*
Wind	*Light*
Wind Speed (MPH)	*11*
Wind Direction	*North West*
Sky	*Clear*

Instrument and Calibrator Information	
Instrument Name List	*(SAC) NL-62*
Instrument Name	*(SAC) NL-62*
Instrument Name Lookup Key	*(SAC) NL-62*
Manufacturer	*Rion*
Model	*NL-62*
Serial Number	*350815*
Calibration Date	*7/16/2018*
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name	*(SAC) Rion NC-74*
Calibrator Name Lookup Key	*(SAC) Rion NC-74*
Calibrator Manufacturer	*Rion*
Calibrator Model	*NC-74*
Calibrator Serial #	*34167529*
Pre-Test (dBA SPL)	*93.9*
Post-Test (dBA SPL)	*94*

Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*

Monitoring	
Record #	*1*
Site ID	*ST1*
Site Location Lat/Long	*39.119780, -122.214660*
Begin (Time)	*14:34:00*
End (Time)	*14:49:00*
Leq	*63.4*
Lmax	*76.9*
Lmin	*31.2*
Other Lx?	*L90, L50, L10*
L90	*32.6*
L50	*45.9*
L10	*61.9*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Industrial*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos	
Terrain	*Mixed*

Site Photos	
Photo	
Comments / Description	*Facing N*

Site Photos	
Photo	

Comments / Description	*Facing E*

Site Photos

Photo	
Comments / Description	*Facing S*

Site Photos

Photo	

Comments / Description	*Facing W*

Monitoring	
Record #	*2*
Site ID	*ST2*
Site Location Lat/Long	*39.119748, -122.209345*
Begin (Time)	*14:54:00*
End (Time)	*15:09:00*
Leq	*64.7*
Lmax	*78.3*
Lmin	*36*
Other Lx?	*L90, L50, L10*
L90	*41.5*
L50	*52.4*
L10	*63.5*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos	
Terrain	*Mixed*

Site Photos	
Photo	
Comments / Description	*Facing S*

Site Photos	
Photo	

Comments / Description	*Facing E*

Site Photos

Photo	
Comments / Description	*Facing N*

Site Photos

Photo	

Comments / Description	*Facing W*

Monitoring	
Record #	*3*
Site ID	*ST3*
Site Location Lat/Long	*39.119633, -122.203315*
Begin (Time)	*15:13:00*
End (Time)	*15:28:00*
Leq	*71.7*
Lmax	*86.8*
Lmin	*36.3*
Other Lx?	*L90, L50, L10*
L90	*37.6*
L50	*43.3*
L10	*65.9*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos	
Terrain	*Mixed*

Site Photos	
Photo	
Comments / Description	*Facing N*

Site Photos	
Photo	

Comments / Description	*Facing E*

Site Photos

Photo	
Comments / Description	*Facing S*

Site Photos

Photo	

Comments / Description	*Facing W*

Monitoring	
Record #	*4*
Site ID	*ST4*
Site Location Lat/Long	*39.111331, -122.205345*
Begin (Time)	*15:37:00*
End (Time)	*15:52:00*
Leq	*37*
Lmax	*50*
Lmin	*28.5*
Other Lx?	*L90, L50, L10*
L90	*29.0*
L50	*31.3*
L10	*39.2*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Description / Photos	
Terrain	*Mixed*

Site Photos	
Photo	
Comments / Description	*Facing N*

Site Photos	
Photo	

Comments / Description	*Facing E*

Site Photos	
Photo	
Comments / Description	*Facing S*

Site Photos	
Photo	
Comments / Description	*Facing W*

NOISE APPENDIX

Construction Noise Modeling Data

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = **80**

allowable hours over which Leq is to be averaged = 8

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	backhoe	2	40	78		445	0.1		54.1	8	480	53
	dozer	2	40	82		445	0.1		58.1	8	480	57
									Total for Site Preparation Phase:			**58.6**
Grading	grader	2	40	85		445	0.1		61.1	8	480	60
	backhoe	2	40	78		445	0.1		54.1	8	480	53
	roller	2	20	80		445	0.1		56.1	8	480	52
									Total for Grading Phase:			**61.5**
Battery / Container Installation	compressor (air)	1	40	78		445	0.1		54.1	8	480	50
	crane	1	16	81		445	0.1		57.1	8	480	49
	man lift	1	20	75	"forklift"	445	0.1		51.1	8	480	44
	backhoe	1	40	78		445	0.1		54.1	8	480	50
									Total for Battery / Container Installation Phase:			**55.0**
Substation Installation	man lift	1	20	75	"aerial lift"	570	0.1		48.8	8	480	42
	compressor (air)	1	40	78		570	0.1		51.8	8	480	48
	drill rig truck	1	20	79		570	0.1		52.8	8	480	46
	man lift	1	20	75	"forklift"	570	0.1		48.8	8	480	42
	slurry trenching machine	1	50	80		570	0.1		53.8	8	480	51
									Total for Substation Installation Phase:			**53.9**
Gen-Tie Site Preparation	backhoe	1	40	78		215	0.1		61.3	8	480	57
	dozer	1	40	82		215	0.1		65.3	8	480	61
									Total for Gen-Tie Site Preparation Phase:			**62.7**
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		215	0.1		61.3	8	480	57
	crane	1	16	81		215	0.1		64.3	8	480	56
	man lift	1	20	75	"forklift"	215	0.1		58.3	8	480	51
	pumps	1	50	77		215	0.1		60.3	8	480	57
	welder / torch	2	40	73		215	0.1		56.3	8	480	55
	vibratory concrete mixer	2	20	80	"cement/mortar mixer"	215	0.1		63.3	8	480	59
									Total for Gen-Tie Foundation and Tower Erection Phase:			**62.9**
Gen-Tie Stringing and Pulling	man lift	1	20	75		215	0.1		58.3	8	480	51
	backhoe	1	40	78		215	0.1		61.3	8	480	57
									Total for Gen-Tie Stringing and Pulling Phase:			**58.2**
Decommissioning	concrete saw	2	20	90		445	0.1		66.1	8	480	62
	crane	2	16	81		445	0.1		57.1	8	480	52
	dozer	2	40	82		445	0.1		58.1	8	480	57
	backhoe	2	40	78		445	0.1		54.1	8	480	53
									Total for Decommissioning Phase:			**64.0**

*Commissioning Phase Involves No Equipment

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = **80**

allowable hours over which Leq is to be averaged = 8

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	backhoe	2	40	78		325	0.1		57.2	8	480	56
	dozer	2	40	82		325	0.1		61.2	8	480	60
									Total for Site Preparation Phase:			**61.7**
Grading	grader	2	40	85		325	0.1		64.2	8	480	63
	backhoe	2	40	78		325	0.1		57.2	8	480	56
	roller	2	20	80		325	0.1		59.2	8	480	55
									Total for Grading Phase:			**64.5**
Battery / Container Installation	compressor (air)	1	40	78		540	0.1		52.3	8	480	48
	crane	1	16	81		540	0.1		55.3	8	480	47
	man lift	1	20	75	"forklift"	540	0.1		49.3	8	480	42
	backhoe	1	40	78		540	0.1		52.3	8	480	48
									Total for Battery / Container Installation Phase:			**53.1**
Substation Installation	man lift	1	20	75	"aerial lift"	520	0.1		49.6	8	480	43
	compressor (air)	1	40	78		520	0.1		52.6	8	480	49
	drill rig truck	1	20	79		520	0.1		53.6	8	480	47
	man lift	1	20	75	"forklift"	520	0.1		49.6	8	480	43
	slurry trenching machine	1	50	80		520	0.1		54.6	8	480	52
									Total for Substation Installation Phase:			**54.8**
Gen-Tie Site Preparation	backhoe	1	40	78		90	0.1		71.0	8	480	67
	dozer	1	40	82		90	0.1		75.0	8	480	71
									Total for Gen-Tie Site Preparation Phase:			**72.5**
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		90	0.1		71.0	8	480	67
	crane	1	16	81		90	0.1		74.0	8	480	66
	man lift	1	20	75	"forklift"	90	0.1		68.0	8	480	61
	pumps	1	50	77		90	0.1		70.0	8	480	67
	welder / torch	2	40	73		90	0.1		66.0	8	480	65
	vibratory concrete mixer	2	20	80	"cement/mortar mixer"	90	0.1		73.0	8	480	69
									Total for Gen-Tie Foundation and Tower Erection Phase:			**72.7**
Gen-Tie Stringing and Pulling	man lift	1	20	75		90	0.1		68.0	8	480	61
	backhoe	1	40	78		90	0.1		71.0	8	480	67
									Total for Gen-Tie Stringing and Pulling Phase:			**68.0**
Decommissioning	concrete saw	2	20	90		325	0.1		69.2	8	480	65
	crane	2	16	81		325	0.1		60.2	8	480	55
	dozer	2	40	82		325	0.1		61.2	8	480	60
	backhoe	2	40	78		325	0.1		57.2	8	480	56
									Total for Decommissioning Phase:			**67.1**

*Commissioning Phase Involves No Equipment

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noise level limit for construction phase at residential land use, per FTA guidance =	80
allowable hours over which Leq is to be averaged =	8

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	backhoe	2	40	78		400	0.1		55.2	8	480	54
	dozer	2	40	82		400	0.1		59.2	8	480	58
									Total for Site Preparation Phase:			**59.6**
Grading	grader	2	40	85		400	0.1		62.2	8	480	61
	backhoe	2	40	78		400	0.1		55.2	8	480	54
	roller	2	20	80		400	0.1		57.2	8	480	53
									Total for Grading Phase:			**62.5**
Battery / Container Installation	compressor (air)	1	40	78		1000	0.1		46.3	8	480	42
	crane	1	16	81		1000	0.1		49.3	8	480	41
	man lift	1	20	75	"forklift"	1000	0.1		43.3	8	480	36
	backhoe	1	40	78		1000	0.1		46.3	8	480	42
									Total for Battery / Container Installation Phase:			**47.2**
Substation Installation	man lift	1	20	75	"aerial lift"	700	0.1		46.8	8	480	40
	compressor (air)	1	40	78		700	0.1		49.8	8	480	46
	drill rig truck	1	20	79		700	0.1		50.8	8	480	44
	man lift	1	20	75	"forklift"	700	0.1		46.8	8	480	40
	slurry trenching machine	1	50	80		700	0.1		51.8	8	480	49
									Total for Substation Installation Phase:			**51.9**
Gen-Tie Site Preparation	backhoe	1	40	78		325	0.1		57.2	8	480	53
	dozer	1	40	82		325	0.1		61.2	8	480	57
									Total for Gen-Tie Site Preparation Phase:			**58.6**
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		325	0.1		57.2	8	480	53
	crane	1	16	81		325	0.1		60.2	8	480	52
	man lift	1	20	75	"forklift"	325	0.1		54.2	8	480	47
	pumps	1	50	77		325	0.1		56.2	8	480	53
	welder / torch	2	40	73		325	0.1		52.2	8	480	51
	vibratory concrete mixer	2	20	80	"cement/mortar mixer"	325	0.1		59.2	8	480	55
									Total for Gen-Tie Foundation and Tower Erection Phase:			**58.8**
Gen-Tie Stringing and Pulling	man lift	1	20	75		325	0.1		54.2	8	480	47
	backhoe	1	40	78		325	0.1		57.2	8	480	53
									Total for Gen-Tie Stringing and Pulling Phase:			**54.2**
Commissioning	NA	1	#N/A	#N/A		#VALUE!	#VALUE!		#N/A	2	120	#N/A
									Total for Commissioning Phase:			**#N/A**
Decommissioning	concrete saw	2	20	90		400	0.1		67.2	8	480	63
	crane	2	16	81		400	0.1		58.2	8	480	53
	dozer	2	40	82		400	0.1		59.2	8	480	58
	backhoe	2	40	78		400	0.1		55.2	8	480	54
									Total for Decommissioning Phase:			**65.1**

*Commissioning Phase Involves No Equipment

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = **80**

allowable hours over which Leq is to be averaged = 8

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	backhoe	2	40	78		700	0.1		49.8	8	480	49
	dozer	2	40	82		700	0.1		53.8	8	480	53
									Total for Site Preparation Phase:			**54.3**
Grading	grader	2	40	85		700	0.1		56.8	8	480	56
	backhoe	2	40	78		700	0.1		49.8	8	480	49
	roller	2	20	80		700	0.1		51.8	8	480	48
									Total for Grading Phase:			**57.1**
Battery / Container Installation	compressor (air)	1	40	78		1115	0.1		45.2	8	480	41
	crane	1	16	81		1115	0.1		48.2	8	480	40
	man lift	1	20	75	"forklift"	1115	0.1		42.2	8	480	35
	backhoe	1	40	78		1115	0.1		45.2	8	480	41
									Total for Battery / Container Installation Phase:			**46.1**
Substation Installation	man lift	1	20	75	"aerial lift"	965	0.1		43.6	8	480	37
	compressor (air)	1	40	78		965	0.1		46.6	8	480	43
	drill rig truck	1	20	79		965	0.1		47.6	8	480	41
	man lift	1	20	75	"forklift"	965	0.1		43.6	8	480	37
	slurry trenching machine	1	50	80		965	0.1		48.6	8	480	46
									Total for Substation Installation Phase:			**48.8**
Gen-Tie Site Preparation	backhoe	1	40	78		1070	0.1		45.6	8	480	42
	dozer	1	40	82		1070	0.1		49.6	8	480	46
									Total for Gen-Tie Site Preparation Phase:			**47.1**
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		1070	0.1		45.6	8	480	42
	crane	1	16	81		1070	0.1		48.6	8	480	41
	man lift	1	20	75	"forklift"	1070	0.1		42.6	8	480	36
	pumps	1	50	77		1070	0.1		44.6	8	480	42
	welder / torch	2	40	73		1070	0.1		40.6	8	480	40
	vibratory concrete mixer	2	20	80	"cement/mortar mixer"	1070	0.1		47.6	8	480	44
									Total for Gen-Tie Foundation and Tower Erection Phase:			**47.3**
Gen-Tie Stringing and Pulling	man lift	1	20	75		1070	0.1		42.6	8	480	36
	backhoe	1	40	78		1070	0.1		45.6	8	480	42
									Total for Gen-Tie Stringing and Pulling Phase:			**42.6**
Decommissioning	concrete saw	2	20	90		700	0.1		61.8	8	480	58
	crane	2	16	81		700	0.1		52.8	8	480	48
	dozer	2	40	82		700	0.1		53.8	8	480	53
	backhoe	2	40	78		700	0.1		49.8	8	480	49
									Total for Decommissioning Phase:			**59.7**

*Commissioning Phase Involves No Equipment

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noise level limit for construction phase at residential land use, per FTA guidance = **80**

allowable hours over which Leq is to be averaged = **8**

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	backhoe	2	40	78		1190	0.1		44.6	8	480	44
	dozer	2	40	82		1190	0.1		48.6	8	480	48
									Total for Site Preparation Phase:			**49.1**
Grading	grader	2	40	85		1190	0.1		51.6	8	480	51
	backhoe	2	40	78		1190	0.1		44.6	8	480	44
	roller	2	20	80		1190	0.1		46.6	8	480	43
									Total for Grading Phase:			**51.9**
Battery / Container Installation	compressor (air)	1	40	78		1620	0.1		41.4	8	480	37
	crane	1	16	81		1620	0.1		44.4	8	480	36
	man lift	1	20	75	"forklift"	1620	0.1		38.4	8	480	31
	backhoe	1	40	78		1620	0.1		41.4	8	480	37
									Total for Battery / Container Installation Phase:			**42.3**
Substation Installation	man lift	1	20	75	"aerial lift"	1380	0.1		40.1	8	480	33
	compressor (air)	1	40	78		1380	0.1		43.1	8	480	39
	drill rig truck	1	20	79		1380	0.1		44.1	8	480	37
	man lift	1	20	75	"forklift"	1380	0.1		40.1	8	480	33
	slurry trenching machine	1	50	80		1380	0.1		45.1	8	480	42
									Total for Substation Installation Phase:			**45.2**
Gen-Tie Site Preparation	backhoe	1	40	78		1355	0.1		43.3	8	480	39
	dozer	1	40	82		1355	0.1		47.3	8	480	43
									Total for Gen-Tie Site Preparation Phase:			**44.7**
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		1355	0.1		43.3	8	480	39
	crane	1	16	81		1355	0.1		46.3	8	480	38
	man lift	1	20	75	"forklift"	1355	0.1		40.3	8	480	33
	pumps	1	50	77		1355	0.1		42.3	8	480	39
	welder / torch	2	40	73		1355	0.1		38.3	8	480	37
	vibratory concrete mixer	2	20	80	"cement/mortar mixer"	1355	0.1		45.3	8	480	41
									Total for Gen-Tie Foundation and Tower Erection Phase:			**44.9**
Gen-Tie Stringing and Pulling	man lift	1	20	75		1355	0.1		40.3	8	480	33
	backhoe	1	40	78		1355	0.1		43.3	8	480	39
									Total for Gen-Tie Stringing and Pulling Phase:			**40.2**
Decommissioning	concrete saw	2	20	90		1190	0.1		56.6	8	480	53
	crane	2	16	81		1190	0.1		47.6	8	480	43
	dozer	2	40	82		1190	0.1		48.6	8	480	48
	backhoe	2	40	78		1190	0.1		44.6	8	480	44
									Total for Decommissioning Phase:			**54.5**

*Commissioning Phase Involves No Equipment

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = **80**

allowable hours over which Leq is to be averaged = **8**

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	backhoe	2	40	78		2335	0.1		37.5	8	480	37
	dozer	2	40	82		2335	0.1		41.5	8	480	41
									Total for Site Preparation Phase:			**42.0**
Grading	grader	2	40	85		2335	0.1		44.5	8	480	44
	backhoe	2	40	78		2335	0.1		37.5	8	480	37
	roller	2	20	80		2335	0.1		39.5	8	480	36
									Total for Grading Phase:			**44.8**
Battery / Container Installation	compressor (air)	1	40	78		2335	0.1		37.5	8	480	34
	crane	1	16	81		2335	0.1		40.5	8	480	33
	man lift	1	20	75	"forklift"	2335	0.1		34.5	8	480	27
	backhoe	1	40	78		2335	0.1		37.5	8	480	34
									Total for Battery / Container Installation Phase:			**38.4**
Substation Installation	man lift	1	20	75	"aerial lift"	2865	0.1		32.2	8	480	25
	compressor (air)	1	40	78		2865	0.1		35.2	8	480	31
	drill rig truck	1	20	79		2865	0.1		36.2	8	480	29
	man lift	1	20	75	"forklift"	2865	0.1		32.2	8	480	25
	slurry trenching machine	1	50	80		2865	0.1		37.2	8	480	34
									Total for Substation Installation Phase:			**37.3**
Gen-Tie Site Preparation	backhoe	1	40	78		3150	0.1		34.1	8	480	30
	dozer	1	40	82		3150	0.1		38.1	8	480	34
									Total for Gen-Tie Site Preparation Phase:			**35.5**
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		3150	0.1		34.1	8	480	30
	crane	1	16	81		3150	0.1		37.1	8	480	29
	man lift	1	20	75	"forklift"	3150	0.1		31.1	8	480	24
	pumps	1	50	77		3150	0.1		33.1	8	480	30
	welder / torch	2	40	73		3150	0.1		29.1	8	480	28
	vibratory concrete mixer	2	20	80	"cement/mortar mixer"	3150	0.1		36.1	8	480	32
									Total for Gen-Tie Foundation and Tower Erection Phase:			**35.7**
Gen-Tie Stringing and Pulling	man lift	1	20	75		3150	0.1		31.1	8	480	24
	backhoe	1	40	78		3150	0.1		34.1	8	480	30
									Total for Gen-Tie Stringing and Pulling Phase:			**31.0**
Decommissioning	concrete saw	2	20	90		2335	0.1		49.5	8	480	46
	crane	2	16	81		2335	0.1		40.5	8	480	36
	dozer	2	40	82		2335	0.1		41.5	8	480	41
	backhoe	2	40	78		2335	0.1		37.5	8	480	37
									Total for Decommissioning Phase:			**47.4**

*Commissioning Phase Involves No Equipment

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = **80**

allowable hours over which Leq is to be averaged = **8**

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	backhoe	2	40	78		2330	0.1		37.5	8	480	37
	dozer	2	40	82		2330	0.1		41.5	8	480	41
									Total for Site Preparation Phase:			**42.0**
Grading	grader	2	40	85		2330	0.1		44.5	8	480	44
	backhoe	2	40	78		2330	0.1		37.5	8	480	37
	roller	2	20	80		2330	0.1		39.5	8	480	36
									Total for Grading Phase:			**44.9**
Battery / Container Installation	compressor (air)	1	40	78		2500	0.1		36.7	8	480	33
	crane	1	16	81		2500	0.1		39.7	8	480	32
	man lift	1	20	75	"forklift"	2500	0.1		33.7	8	480	27
	backhoe	1	40	78		2500	0.1		36.7	8	480	33
									Total for Battery / Container Installation Phase:			**37.6**
Substation Installation	man lift	1	20	75	"aerial lift"	2475	0.1		33.8	8	480	27
	compressor (air)	1	40	78		2475	0.1		36.8	8	480	33
	drill rig truck	1	20	79		2475	0.1		37.8	8	480	31
	man lift	1	20	75	"forklift"	2475	0.1		33.8	8	480	27
	slurry trenching machine	1	50	80		2475	0.1		38.8	8	480	36
									Total for Substation Installation Phase:			**39.0**
Gen-Tie Site Preparation	backhoe	1	40	78		2620	0.1		36.2	8	480	32
	dozer	1	40	82		2620	0.1		40.2	8	480	36
									Total for Gen-Tie Site Preparation Phase:			**37.7**
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		2620	0.1		36.2	8	480	32
	crane	1	16	81		2620	0.1		39.2	8	480	31
	man lift	1	20	75	"forklift"	2620	0.1		33.2	8	480	26
	pumps	1	50	77		2620	0.1		35.2	8	480	32
	welder / torch	2	40	73		2620	0.1		31.2	8	480	30
	vibratory concrete mixer	2	20	80	"cement/mortar mixer"	2620	0.1		38.2	8	480	34
									Total for Gen-Tie Foundation and Tower Erection Phase:			**37.9**
Gen-Tie Stringing and Pulling	man lift	1	20	75		2620	0.1		33.2	8	480	26
	backhoe	1	40	78		2620	0.1		36.2	8	480	32
									Total for Gen-Tie Stringing and Pulling Phase:			**33.2**
Decommissioning	concrete saw	2	20	90		2330	0.1		49.5	8	480	46
	crane	2	16	81		2330	0.1		40.5	8	480	36
	dozer	2	40	82		2330	0.1		41.5	8	480	41
	backhoe	2	40	78		2330	0.1		37.5	8	480	37
									Total for Decommissioning Phase:			**47.4**

*Commissioning Phase Involves No Equipment

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = **80**

allowable hours over which Leq is to be averaged = **8**

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	backhoe	2	40	78		2900	0.1		35.0	8	480	34
	dozer	2	40	82		2900	0.1		39.0	8	480	38
									Total for Site Preparation Phase:			**39.5**
Grading	grader	2	40	85		2900	0.1		42.0	8	480	41
	backhoe	2	40	78		2900	0.1		35.0	8	480	34
	roller	2	20	80		2900	0.1		37.0	8	480	33
									Total for Grading Phase:			**42.4**
Battery / Container Installation	compressor (air)	1	40	78		3070	0.1		34.4	8	480	30
	crane	1	16	81		3070	0.1		37.4	8	480	29
	man lift	1	20	75	"forklift"	3070	0.1		31.4	8	480	24
	backhoe	1	40	78		3070	0.1		34.4	8	480	30
									Total for Battery / Container Installation Phase:			**35.2**
Substation Installation	man lift	1	20	75	"aerial lift"	3045	0.1		31.5	8	480	24
	compressor (air)	1	40	78		3045	0.1		34.5	8	480	30
	drill rig truck	1	20	79		3045	0.1		35.5	8	480	28
	man lift	1	20	75	"forklift"	3045	0.1		31.5	8	480	24
	slurry trenching machine	1	50	80		3045	0.1		36.5	8	480	33
									Total for Substation Installation Phase:			**36.6**
Gen-Tie Site Preparation	backhoe	1	40	78		3190	0.1		33.9	8	480	30
	dozer	1	40	82		3190	0.1		37.9	8	480	34
									Total for Gen-Tie Site Preparation Phase:			**35.4**
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		3190	0.1		33.9	8	480	30
	crane	1	16	81		3190	0.1		36.9	8	480	29
	man lift	1	20	75	"forklift"	3190	0.1		30.9	8	480	24
	pumps	1	50	77		3190	0.1		32.9	8	480	30
	welder / torch	2	40	73		3190	0.1		28.9	8	480	28
	vibratory concrete mixer	2	20	80	"cement/mortar mixer"	3190	0.1		35.9	8	480	32
									Total for Gen-Tie Foundation and Tower Erection Phase:			**35.6**
Gen-Tie Stringing and Pulling	man lift	1	20	75		3190	0.1		30.9	8	480	24
	backhoe	1	40	78		3190	0.1		33.9	8	480	30
									Total for Gen-Tie Stringing and Pulling Phase:			**30.9**
Decommissioning	concrete saw	2	20	90		2900	0.1		47.0	8	480	43
	crane	2	16	81		2900	0.1		38.0	8	480	33
	dozer	2	40	82		2900	0.1		39.0	8	480	38
	backhoe	2	40	78		2900	0.1		35.0	8	480	34
									Total for Decommissioning Phase:			**44.9**

*Commissioning Phase Involves No Equipment

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = **80**

allowable hours over which Leq is to be averaged = 8

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq
Site Preparation	backhoe	1	40	78		25	0.1		83.9	8	480	80
	dozer	1	40	82		25	0.1		87.9	8	480	84
									Total for Site Preparation Phase:			**85.4**
Grading	grader	1	40	85		25	0.1		90.9	8	480	87
	backhoe	1	40	78		25	0.1		83.9	8	480	80
	roller	1	20	80		25	0.1		85.9	8	480	79
									Total for Grading Phase:			**88.3**
Battery / Container Installation	compressor (air)	1	40	78		50	0.1		77.9	8	480	74
	crane	1	16	81		50	0.1		80.9	8	480	73
	man lift	1	20	75	"forklift"	50	0.1		74.9	8	480	68
	backhoe	1	40	78		50	0.1		77.9	8	480	74
									Total for Battery / Container Installation Phase:			**78.7**
Substation Installation	man lift	1	20	75	"aerial lift"	75	0.1		70.6	8	480	64
	compressor (air)	1	40	78		75	0.1		73.6	8	480	70
	drill rig truck	1	20	79		75	0.1		74.6	8	480	68
	man lift	1	20	75	"forklift"	75	0.1		70.6	8	480	64
	slurry trenching machine	1	50	80		75	0.1		75.6	8	480	73
									Total for Substation Installation Phase:			**75.7**
Gen-Tie Site Preparation	backhoe	1	40	78		25	0.1		83.9	8	480	80
	dozer	1	40	82		25	0.1		87.9	8	480	84
									Total for Gen-Tie Site Preparation Phase:			**85.4**
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		25	0.1		83.9	8	480	80
	crane	1	16	81		25	0.1		86.9	8	480	79
	man lift	1	20	75	"forklift"	25	0.1		80.9	8	480	74
	pumps	1	50	77		25	0.1		82.9	8	480	80
	welder / torch	1	40	73		25	0.1		78.9	8	480	75
	vibratory concrete mixer	1	20	80	"cement/mortar mixer"	25	0.1		85.9	8	480	79
									Total for Gen-Tie Foundation and Tower Erection Phase:			**85.2**
Gen-Tie Stringing and Pulling	man lift	1	20	75		25	0.1		80.9	8	480	74
	backhoe	1	40	78		25	0.1		83.9	8	480	80
									Total for Gen-Tie Stringing and Pulling Phase:			**80.9**
Decommissioning	concrete saw	1	20	90		25	0.1		95.9	8	480	89
	crane	1	16	81		25	0.1		86.9	8	480	79
	dozer	1	40	82		25	0.1		87.9	8	480	84
	backhoe	1	40	78		25	0.1		83.9	8	480	80
									Total for Decommissioning Phase:			**90.8**

*Commissioning Phase Involves No Equipment

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase at residential land use, per FTA guidance = 80
allowable hours over which Leq is to be averaged = 8

8 = temporary barrier (TB) of input height inserted between source and receptor

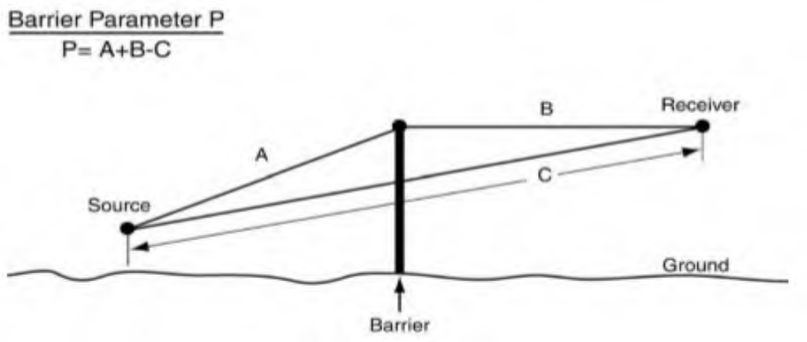
Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Site Preparation	backhoe	1	40	78		25	12.1		71.9	8	480	68	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	dozer	1	40	82		25	12.1		75.9	8	480	72	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
									Total for Site Preparation Phase:			**73.4**																
Grading	grader	1	40	85		25	12.1		78.9	8	480	75	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	backhoe	1	40	78		25	12.1		71.9	8	480	68	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	roller	1	20	80		25	12.1		73.9	8	480	67	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
									Total for Grading Phase:			**76.2**																
Battery / Container Installation	compressor (air)	1	40	78		50	10.4		67.5	8	480	64	5	5	8	10	40	50	10.4	40.1	50.0	0.55	10.4	13.0	5.0	0.5	0.7	10.4
	crane	1	16	81		50	10.4		70.5	8	480	63	5	5	8	10	40	50	10.4	40.1	50.0	0.55	10.4	13.0	5.0	0.5	0.7	10.4
	man lift	1	20	75	"forklift"	50	10.4		64.5	8	480	58	5	5	8	10	40	50	10.4	40.1	50.0	0.55	10.4	13.0	5.0	0.5	0.7	10.4
	backhoe	1	40	78		50	10.4		67.5	8	480	64	5	5	8	10	40	50	10.4	40.1	50.0	0.55	10.4	13.0	5.0	0.5	0.7	10.4
									Total for Battery / Container Installation Phase:			**68.4**																
Substation Installation	man lift	1	20	75	"aerial lift"	75	9.8		60.8	8	480	54	5	5	8	10	65	75	10.4	65.1	75.0	0.51	10.1	13.0	5.0	0.5	0.7	9.8
	compressor (air)	1	40	78		75	9.8		63.8	8	480	60	5	5	8	10	65	75	10.4	65.1	75.0	0.51	10.1	13.0	5.0	0.5	0.7	9.8
	drill rig truck	1	20	79		75	9.8		64.8	8	480	58	5	5	8	10	65	75	10.4	65.1	75.0	0.51	10.1	13.0	5.0	0.5	0.7	9.8
	man lift	1	20	75	"forklift"	75	9.8		60.8	8	480	54	5	5	8	10	65	75	10.4	65.1	75.0	0.51	10.1	13.0	5.0	0.5	0.7	9.8
	slurry trenching machine	1	50	80		75	9.8		65.8	8	480	63	5	5	8	10	65	75	10.4	65.1	75.0	0.51	10.1	13.0	5.0	0.5	0.7	9.8
									Total for Substation Installation Phase:			**65.9**																
Gen-Tie Site Preparation	backhoe	1	40	78		25	12.1		71.9	8	480	68	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	dozer	1	40	82		25	12.1		75.9	8	480	72	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
									Total for Gen-Tie Site Preparation Phase:			**73.4**																
Gen-Tie Foundation and Tower Erection	compressor (air)	1	40	78		25	12.1		71.9	8	480	68	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	crane	1	16	81		25	12.1		74.9	8	480	67	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	man lift	1	20	75	"forklift"	25	12.1		68.9	8	480	62	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	pumps	1	50	77		25	12.1		70.9	8	480	68	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	welder / torch	1	40	73		25	12.1		66.9	8	480	63	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	vibratory concrete mixer	1	20	80	"cement/mortar mixer"	25	0.1		85.9	8	480	79	5	5	0	10	15	25	11.2	15.8	25.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
									Total for Gen-Tie Foundation and Tower Erection Phase:			**73.2**																
Gen-Tie Stringing and Pulling	man lift	1	20	75		25	12.1		68.9	8	480	62	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	backhoe	1	40	78		25	12.1		71.9	8	480	68	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
									Total for Gen-Tie Stringing and Pulling Phase:			**68.9**																
Decommissioning	concrete saw	1	20	90		25	12.1		83.9	8	480	77	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	crane	1	16	81		25	12.1		74.9	8	480	67	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	dozer	1	40	82		25	12.1		75.9	8	480	72	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
	backhoe	1	40	78		25	12.1		71.9	8	480	68	5	5	8	10	15	25	10.4	15.3	25.0	0.74	11.7	13.0	5.0	0.5	0.7	12.1
									Total for Decommissioning Phase:			**78.8**																

*Commissioning Phase Involves No Equipment

$Source_{elev}$	5.0	A_{horiz}	24.0	A	25.0
$Receiver_{elev}$	10.0	B_{horiz}	38.0	B	38.1
C	62.2	C_{horiz}	62.0		
P	0.85				
$Barrier_{elev}$	12				
Abarr	12.3				

The above calculations, refering to inputs from the figure at right, helps a user estimate what barrier attenuation (Abarr) to expect (i.e., up to 15 per formula to right) based upon source height (above grade), barrier height, and receiver height, and the horizontal distances between the source and receiver to the barrier. The FTA-based formula in the worksheets use these path length (P) and Abarr values to determine the barrier's insertion loss.

The calculations herein assume the "In General" calculation of Heff per Figure 6-5, which then allows a calculation of "G" with and without barrier.



For all other barriers, and for protrusion of terrain above the line of sight:	$A_{barrier} = \min\left\{15 or \left[20 \times \log\left(\frac{2.51\sqrt{P}}{\tanh\left[4.46\sqrt{P}\right]}\right) + 5\right]\right\}$
Barrier Insertion Loss	$IL_{barrier} = \max\left\{0 or \left[A_{barrier} - 10(G_{NB} - G_B)\log\left(\frac{D}{50}\right)\right]\right\}$

D = closest distance between the receiver and the source, in feet
P = path length difference, in feet (see figure below)
G_{NB} = Ground factor G computed *without barrier* (see Figure 6-5)
G_B = Ground factor G computed *with barrier* (see Figure 6-5)

† The term "tanh(variable)" stands for hyperbolic tangent, available on many scientific calculators. If "tanh" is not available, then compute E = exp(variable), and set tanh(variable) = (E - 1/E) / (E + 1/E), where exp(variable) is the "exponential" function, also written as e^x on calculator keypads.

Sources: Transit Noise & Vibration Impact Assessment (FTA 2006)

Equipment Description	Impact Device?	Acoustical Use Factor (%)	Lesser of or available Lmax	Spec. 721 Lmax	Measured L_{max} @50ft (dBA, slow)
All Other Equipment > 5 HP	No	50	85	85	-- N/A --
Auger Drill Rig	No	20	84	85	84
Backhoe	No	40	78	80	78
Bar Bender	No	20	80	80	-- N/A --
Blasting	Yes	-- N/A --	94	94	-- N/A --
Boring Jack Power Unit	No	50	80	80	83
Chain Saw	No	20	84	85	84
Clam Shovel (dropping)	Yes	20	87	93	87
Compactor (ground)	No	20	80	80	83
Compressor (air)	No	40	78	80	78
Concrete Batch Plant	No	15	83	83	-- N/A --
Concrete Mixer Truck	No	40	79	85	79
Concrete Pump Truck	No	20	81	82	81
Concrete Saw	No	20	90	90	90
Crane	No	16	81	85	81
Dozer	No	40	82	85	82
Drill Rig Truck	No	20	79	84	79
Drum Mixer	No	50	80	80	80
Dump Truck	No	40	76	84	76
Excavator	No	40	81	85	81
Flat Bed Truck	No	40	74	84	74
Front End Loader	No	40	79	80	79
Generator	No	50	72	72	81
Generator (<25KVA, VMS signs)	No	50	70	70	73
Gradall	No	40	83	85	83
Grader	No	40	85	85	-- N/A --
Grapple (on backhoe)	No	40	85	85	87
Horizontal Boring Hydr. Jack	No	25	80	80	82
Hydra Break Ram	Yes	10	90	90	-- N/A --
Impact Pile Driver	Yes	20	95	95	101
Jackhammer	Yes	20	85	85	89
Man Lift	No	20	75	85	75
Mounted Impact Hammer (hoe ram)	Yes	20	90	90	90
Pavement Scarafier	No	20	85	85	90
Paver	No	50	77	85	77
Pickup Truck	No	40	55	55	75
Pneumatic Tools	No	50	85	85	85
Pumps	No	50	77	77	81
Refrigerator Unit	No	100	73	82	73
Rivit Buster/chipping gun	Yes	20	79	85	79
Rock Drill	No	20	81	85	81
Roller	No	20	80	85	80
Sand Blasting (Single Nozzle)	No	20	85	85	96
Scraper	No	40	84	85	84
Shears (on backhoe)	No	40	85	85	96
Slurry Plant	No	100	78	78	78
Slurry Trenching Machine	No	50	80	82	80
Soil Mix Drill Rig	No	50	80	80	-- N/A --
Tractor	No	40	84	84	-- N/A --
Vacuum Excavator (Vac-truck)	No	40	85	85	85
Vacuum Street Sweeper	No	10	80	80	82
Ventilation Fan	No	100	79	85	79
Vibrating Hopper	No	50	85	85	87
Vibratory Concrete Mixer	No	20	80	80	80
Vibratory Pile Driver	No	20	95	95	101
Warning Horn	No	5	83	85	83
Welder / Torch	No	40	73	73	74

NOISE APPENDIX

Operational Noise Modeling Data

Name	ID	Level Lr		Limit. Value			Height	Coordinates		
		Day (dBA)	Night (dBA)	Day (dBA)	Night (dBA)	Noise Type	(ft)	X (ft)	Y (ft)	Z (ft)
NSR1	R1	45.4	45.4	0	0	Total	5	6500594	2169491	5
NSR2	R2	45.3	45.3	0	0	Total	5	6500708	2169548	5
NSR3	R3	41.3	41.3	0	0	Total	5	6501341	2169896	5
NSR4	R4	39.8	39.8	0	0	Total	5	6502126	2169503	5
NSR5	R5	36.1	36.1	0	0	Total	5	6502374	2170015	5
NSR6	R6	30.8	30.8	0	0	Total	5	6503225	2166865	5
NSR7	R7	31.4	31.4	0	0	Total	5	6503698	2169506	5
NSR8	R8	29.2	29.2	0	0	Total	5	6504125	2169905	5

Sound Levels (local)

Name	ID	Type	A	lin	Source
SCS Inverter	SCS_INV	Lw	90.4	96.5	4600 KVA, J-Schneider coil 100% with Silencer
substation spectrum - 100MVA	SUBSS	Lw	98.4	107.1	based on EEI EEPENG
CATL EnerC Overall SWL 70% Soundproof Cover	EnerC_70	Lw	80.7	82.9	EnerC Noise Test Report 080624 w Soundproof Cover

Point Sources

Name	Sel.	M.	ID	Result. PWL Day (dBA)	Evening (dBA)	Night (dBA)	Lw / Li Type	Value	norm. dB(A)	Correction Day dB(A)	Evening dB(A)	Night dB(A)	Sound Reduction R	Area (ft²)	Attenuatic Day (min)	Operating Time Special (min)	Night (min)	K0 (dB)	Freq. (Hz)	Direct.	Height (ft)		Coordinates X (ft)	Y (ft)	Z (ft)
Proposed Substation			SUBS	98.4	98.4	98.4	Lw	SUBSS		0	0	0						0	0	(none)	8	r	6501191.78	2169094.7	8
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500774.89	2168416.07	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500801.59	2168402.11	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500774.89	2168441.2	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500774.89	2168466.34	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500774.89	2168491.47	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500774.89	2168516.61	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500774.89	2168541.74	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500801.59	2168427.25	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500801.59	2168452.38	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500801.59	2168477.51	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500801.59	2168502.65	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500801.59	2168527.78	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500808.92	2168416.27	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500834.08	2168403.15	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500843.38	2168415.72	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500868.53	2168402.6	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500876.73	2168415.72	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500903.53	2168402.05	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500910.64	2168416.27	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500936.34	2168402.6	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500944.55	2168415.72	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500970.8	2168402.05	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500980.09	2168415.72	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6501005.8	2168402.05	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6501167.13	2168415.18	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6501191.73	2168402.6	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6501201.58	2168415.18	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6501226.73	2168402.6	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6501234.94	2168415.18	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6501260.09	2168401.51	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500808.92	2168441.41	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500808.92	2168466.54	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500808.92	2168491.67	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500808.92	2168516.81	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500808.92	2168541.94	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500834.08	2168428.28	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500834.08	2168453.41	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500834.08	2168478.55	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500834.08	2168503.68	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500834.08	2168528.82	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500843.38	2168440.86	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500843.38	2168465.99	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500843.38	2168491.13	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500843.38	2168516.26	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500843.38	2168541.39	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500868.53	2168427.73	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500868.53	2168452.87	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500868.53	2168478	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500868.53	2168503.14	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500868.53	2168528.27	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500876.73	2168440.86	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500876.73	2168465.99	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500876.73	2168491.13	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500876.73	2168516.26	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500876.73	2168541.39	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500903.53	2168427.19	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500903.53	2168452.32	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500903.53	2168477.45	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500903.53	2168502.59	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500903.53	2168527.72	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500910.64	2168441.41	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500910.64	2168466.54	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500910.64	2168491.67	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500910.64	2168516.81	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500910.64	2168541.94	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500936.34	2168427.73	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500936.34	2168452.87	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500936.34	2168478	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500936.34	2168503.14	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500936.34	2168528.27	11.5
CATL EnerC Intake			EnerC	80.7	80.7	80.7	Lw	EnerC_70		0	0	0						0	0	(none)	11.5	r	6500944.55	2168440.86	11.5

CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500944.55	2168465.99	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500944.55	2168491.13	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500944.55	2168516.26	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500944.55	2168541.39	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168427.19	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168452.32	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168477.45	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168502.59	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168527.72	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.09	2168440.86	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.09	2168465.99	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.09	2168491.13	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.09	2168516.26	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.09	2168541.39	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.8	2168427.19	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.8	2168452.32	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.8	2168477.45	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.8	2168502.59	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.8	2168527.72	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.13	2168440.31	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.13	2168465.45	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.13	2168490.58	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.13	2168515.71	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.13	2168540.85	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168427.73	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168452.87	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168478	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168503.14	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168528.27	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168440.31	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168465.45	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168490.58	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168515.71	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168540.85	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168427.73	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168452.87	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168478	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168503.14	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168528.27	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501234.94	2168440.31	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501234.94	2168465.45	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501234.94	2168490.58	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501234.94	2168515.71	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501234.94	2168540.85	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501260.09	2168426.64	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501260.09	2168451.77	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501260.09	2168476.91	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501260.09	2168502.04	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501260.09	2168527.18	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500775.56	2168618.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.27	2168605.49	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168617.52	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500834.63	2168605.49	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500843.92	2168618.62	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2168604.4	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500877.83	2168618.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500902.98	2168604.4	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500912.83	2168618.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500936.89	2168604.94	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500946.19	2168616.97	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168604.4	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.64	2168616.97	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.25	2168604.4	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.67	2168616.43	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168604.4	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168616.97	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168604.4	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501236.03	2168616.97	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501261.19	2168603.85	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500775.56	2168643.2	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500775.56	2168668.34	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500775.56	2168693.47	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500775.56	2168718.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500775.56	2168743.74	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.27	2168630.62	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.27	2168655.76	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.27	2168680.89	11.5

CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.27	2168706.03	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.27	2168731.16	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168642.66	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168667.79	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168692.92	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168718.06	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168743.19	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500834.63	2168630.62	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500834.63	2168655.76	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500834.63	2168680.89	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500834.63	2168706.03	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500834.63	2168731.16	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500843.92	2168643.75	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500843.92	2168668.88	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500843.92	2168694.02	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500843.92	2168719.15	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500843.92	2168744.28	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2168629.53	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2168654.66	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2168679.8	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2168704.93	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2168730.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500877.83	2168643.2	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500877.83	2168668.34	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500877.83	2168693.47	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500877.83	2168718.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500877.83	2168743.74	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500902.98	2168629.53	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500902.98	2168654.66	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500902.98	2168679.8	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500902.98	2168704.93	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500902.98	2168730.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500912.83	2168643.2	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500912.83	2168668.34	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500912.83	2168693.47	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500912.83	2168718.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500912.83	2168743.74	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500936.89	2168630.08	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500936.89	2168655.21	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500936.89	2168680.35	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500936.89	2168705.48	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500936.89	2168730.61	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500946.19	2168642.11	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500946.19	2168667.24	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500946.19	2168692.38	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500946.19	2168717.51	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500946.19	2168742.64	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168629.53	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168654.66	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168679.8	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168704.93	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500970.8	2168730.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.64	2168642.11	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.64	2168667.24	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.64	2168692.38	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.64	2168717.51	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.64	2168742.64	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.25	2168629.53	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.25	2168654.66	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.25	2168679.8	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.25	2168704.93	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501005.25	2168730.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.67	2168641.56	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.67	2168666.7	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.67	2168691.83	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.67	2168716.96	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.67	2168742.1	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168629.53	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168654.66	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168679.8	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168704.93	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501191.73	2168730.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168642.11	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168667.24	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168692.38	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168717.51	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168742.64	11.5

CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168629.53	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168654.66	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168679.8	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168704.93	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501226.73	2168730.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501236.03	2168642.11	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501236.03	2168667.24	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501236.03	2168692.38	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501236.03	2168717.51	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501236.03	2168742.64	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501261.19	2168628.98	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501261.19	2168654.12	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501261.19	2168679.25	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501261.19	2168704.39	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501261.19	2168729.52	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500776.11	2168819.87	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500800.72	2168806.74	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168820.41	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500835.72	2168807.83	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500843.38	2168820.41	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.08	2168807.29	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500878.92	2168820.41	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500902.98	2168807.83	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500913.38	2168820.96	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500937.44	2168807.83	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500946.73	2168820.96	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500971.34	2168806.19	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.64	2168820.41	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501004.16	2168807.29	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.67	2168819.87	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501193.38	2168807.29	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168819.32	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501227.28	2168805.65	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501236.03	2168819.32	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501261.19	2168806.19	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500776.66	2168946.19	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.81	2168933.62	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168946.74	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500835.17	2168934.16	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500844.47	2168947.29	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2168933.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500891.5	2168946.74	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500916.11	2168933.62	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500924.86	2168946.19	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500949.47	2168933.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500959.86	2168946.19	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500983.92	2168933.07	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500776.11	2168845	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500800.72	2168831.87	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168845.55	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500835.72	2168832.97	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500843.38	2168845.55	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.08	2168832.42	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500878.92	2168845.55	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500902.98	2168832.97	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500913.38	2168846.09	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500937.44	2168832.97	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500946.73	2168846.09	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500971.34	2168831.33	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500980.64	2168845.55	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501004.16	2168832.42	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.67	2168845	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501167.67	2168870.13	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501193.38	2168832.42	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501193.38	2168857.56	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168844.45	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501201.58	2168869.59	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501227.28	2168830.78	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501227.28	2168855.91	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501236.03	2168844.45	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501236.03	2168869.59	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501261.19	2168831.33	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501261.19	2168856.46	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500776.66	2168971.33	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500776.66	2168996.46	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500776.66	2169021.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500776.66	2169046.73	11.5

CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500776.66	2169071.86	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.81	2168958.75	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.81	2168983.88	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.81	2169009.02	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.81	2169034.15	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500801.81	2169059.28	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168971.87	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2168997.01	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2169022.14	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2169047.28	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500810.56	2169072.41	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500835.17	2168959.3	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500835.17	2168984.43	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500835.17	2169009.56	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500835.17	2169034.7	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500835.17	2169059.83	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500844.47	2168972.42	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500844.47	2168997.56	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500844.47	2169022.69	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500844.47	2169047.82	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500844.47	2169072.96	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2168958.2	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2168983.34	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2169008.47	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2169033.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500869.63	2169058.74	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500891.5	2168971.87	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500891.5	2168997.01	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500891.5	2169022.14	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500891.5	2169047.28	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500891.5	2169072.41	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500916.11	2168958.75	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500916.11	2168983.88	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500916.11	2169009.02	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500916.11	2169034.15	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500916.11	2169059.28	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500924.86	2168971.33	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500924.86	2168996.46	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500924.86	2169021.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500924.86	2169046.73	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500924.86	2169071.86	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500949.47	2168958.2	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500949.47	2168983.34	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500949.47	2169008.47	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500949.47	2169033.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500949.47	2169058.74	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500959.86	2168971.33	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500959.86	2168996.46	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500959.86	2169021.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500959.86	2169046.73	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500959.86	2169071.86	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500983.92	2168958.2	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500983.92	2168983.34	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500983.92	2169008.47	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500983.92	2169033.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6500983.92	2169058.74	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501294.55	2168400.96	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.3	2168405.88	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.3	2168431.04	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.81	2168424.99	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501267.6	2168457.77	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.81	2168451.04	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.47	2168482.94	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.38	2168476.65	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.68	2168507.68	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.6	2168501.17	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.47	2168531.99	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.6	2168526.13	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.44	2168608.69	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.51	2168602.4	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.44	2168633.03	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501296.05	2168627.29	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.71	2168659.28	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.51	2168652.99	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.98	2168683.61	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501296.33	2168677.6	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.71	2168709.59	11.5

CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.78	2168703.85	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501268.44	2168734.75	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.51	2168728.73	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501269.13	2168810.51	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501295.38	2168805.32	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501269.68	2168835.67	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501296.2	2168829.93	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501269.68	2168860.55	11.5
CATL EnerC Intake	EnerC	80.7	80.7	80.7	Lw	EnerC_70	0	0	0	0	(none)	11.5	r	6501296.2	2168855.08	11.5
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.53	2168409.23	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500735.84	2168434.37	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.18	2168460.56	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.53	2168485.02	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.18	2168510.51	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.18	2168534.63	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501044.52	2168407.5	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501044.18	2168433.69	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501044.52	2168459.18	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501044.52	2168484.67	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501044.52	2168509.48	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501044.87	2168534.63	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501127.55	2168408.88	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501127.21	2168433	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501127.89	2168459.87	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501127.21	2168484.33	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501127.55	2168509.13	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501128.24	2168534.28	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.87	2168610.76	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.53	2168634.88	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.18	2168661.41	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.87	2168686.21	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.18	2168712.4	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500735.5	2168737.2	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501045.56	2168610.42	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501044.87	2168635.91	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501044.87	2168661.06	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501045.9	2168685.87	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501045.21	2168711.36	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501045.56	2168736.51	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501128.93	2168609.73	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501129.27	2168634.54	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501128.24	2168660.03	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501128.24	2168685.52	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501128.93	2168711.36	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501128.07	2168736.86	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500735.5	2168812.65	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.53	2168838.83	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501045.21	2168812.3	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501044.87	2168838.49	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501127.55	2168812.99	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501128.93	2168837.45	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6501127.89	2168862.95	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500735.84	2168934.26	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500735.84	2168945.29	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.18	2168959.07	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.53	2168970.09	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500737.22	2168983.53	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.87	2168994.9	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.87	2169009.02	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500737.22	2169020.05	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.53	2169033.14	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500736.87	2169044.85	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500737.22	2169057.94	8
Sunny Central Storage Inverter	SCS_INV	90.4	90.4	90.4	Lw	SCS_INV	0	0	0	0	(none)	8	r	6500737.39	2169070.69	8

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorptior	Height Begin (ft)	
CATL EnerC Container			EnerC		0		9.5	r
			EnerC		0		9.5	r
			EnerC		0		9.5	r

EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
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EnerC	0	9.5 r

EnerC	0	9.5 r
EnerC	0	9.5 r
EnerC	0	9.5 r
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Appendix K

Transportation Technical Memorandum

Transportation Analysis

Saloon Energy Storage Colusa County, California

JANUARY 2025

Prepared for:

QCELLS USA CORP.
300 Spectrum Center Drive, Suite 1250 Irvine, CA 92618 Prepared by:

DUDEK

78-075 Main Street, Suite G-203
La Quinta, California 92253

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A Raw Traffic Counts
B LOS Worksheets

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
Applicant	Qcells USA Corp.
BESS	Battery Energy Storage System
Caltrans	California State Department of Transportation
CCTA	Colusa County Transit Agency
CEQA	California Environmental Quality Act
County	Colusa County
Gen-tie	Generation Tie
I-5	Interstate 5
kV	Kilovolt
LOS	Level of Service
MM	Mitigation Measure
MPH	Miles Per Hour
MW	Megawatt
OPR	Governor's Office of Planning and Research
O&M	Operation & Maintenance
PCE	Passenger Car Equivalence
Project	Saloon Energy Storage Project
PV	Photovoltaic
SCADA	Supervisory Control and Data Acquisition
SB	Senate Bill
SR	State Route
VMT	Vehicle Miles Traveled

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Executive Summary

This Transportation Analysis was prepared for the Saloon BESS Project (Project), a battery energy storage energy facility to be located on unincorporated lands in Colusa County (County), approximately 2.5 miles south of State Route 20 (SR-20) and southwest of the city limits of Williams, California.

The analysis includes a trip generation analysis of the Project's construction and (permanent) operations and maintenance (O&M) phases; a level of service (LOS) analysis of seven study intersections; a vehicle miles traveled (VMT) analysis; project access evaluation, and a review of the pedestrian, bicycle, and transit facilities in the study area. This assessment is based on the County's General Plan Circulation Element (Colusa County 2012), applicable California Environmental Quality Act (CEQA) guidelines, including adherence to Senate Bill (SB) 743, and the Governor's Office of Land Use and Climate Innovation (LCI [formerly OPR]) Technical Advisory on Evaluating Transportation Impacts in CEQA (LCI 2018).

The Project is expected to generate nominal vehicular trips during its O&M phase associated with routine maintenance and upkeep of the proposed facility. Therefore, the following assessment focuses on the peak construction phase of Project traffic, specifically where construction subphases may overlap with one another, and would temporarily generate the highest amount of Project construction traffic.

The peak period of construction for the Project would generate approximately 376 passenger-car equivalent (PCE) daily trips, 106 AM PCE peak hour trips, and 106 PM PCE peak hour trips. For all other phases of construction, the amount of vehicular traffic is estimated to be less than the peak period. All construction-related traffic would be temporary and short term and would be removed from the study area roadway network upon completion of the Project. The construction of the Project is not expected to have any impacts on transit, pedestrian, or bicycle infrastructure in the area.

With the addition of the Project's peak construction traffic, the study intersections would operate within the County's acceptable LOS threshold (LOS C or better). Mitigation measure (MM-TRAF-1) in the form of a Construction Traffic Management Plan is recommended to assist in construction site access, due to the possible closure of lanes, potential traffic delays, and because of slow-moving vehicles on Walnut Avenue during the peak construction period.

The Project's operational phase meets the LCI Small Project VMT screening criteria because Project operation would generate fewer than 110 daily vehicle trips. Therefore, operation of the project would have a less than significant VMT impact. Furthermore, all construction trips and related VMT would be temporary and would cease at the completion of Project construction. The VMT thresholds described in the LCI Technical Advisory do not apply to construction trips. Therefore, project construction is also presumed to result in a less than significant impact on VMT.

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1 Project Description

The Project site is located 4.5 miles southwest of the City of Williams, adjacent to unincorporated agricultural land to the south. Figure 1 illustrates the location of the Project relative to major highways and access roads. The project site plan is presented in Figure 2.

The project is an approximately 81 megawatt (MW) BESS that would deliver and receive power from the Pacific Gas & Electric (PG&E) Cortina Substation located approximately 0.5 miles west of the Project site. Utilizing battery technology similar to that used in electric vehicles, the Project would provide additional capacity to the electrical grid to assist with serving load during periods of peak demand by charging when demand is low and discharging when demand is high. This accommodates the integration of additional intermittent renewable energy sources, such as wind and solar, and reduces the need to operate natural gas power plants. The Project would also serve as an additional local capacity resource that would enhance grid reliability.

The Project is designed to charge or discharge electricity to and from the grid via battery storage cabinets with associated on-site support facilities consisting of a Project substation, inverters, collector lines, fencing, all weathered access roads, operations and maintenance building, supervisory control, a supervisory control and data acquisition (SCADA) system, and other ancillary facilities or equipment (see Figure 2, Site Plan). The Project would also include a 115 kV overhead gen-tie line that will extend approximately 0.5 miles west to the PG&E Cortina Substation. An expansion of the existing Cortina Substation footprint would not be required to interconnect to the Project.

The Project facilities will be remotely operated year-round and will be available to receive or deliver electrical energy to the grid 24 hours a day, 365 days a year. After commissioning and during the operational life of the Project, qualified technicians would routinely inspect the battery energy storage system and conduct necessary maintenance to ensure safe operational readiness. If an issue arises, the system can remotely shut down and de-energize.

Access to the Project site would be via the Interstate 5 (I-5) interchange at Hahn Road to Frontage Road/Old Highway 99, Meyers Road, Zumwalt Road and Walnut Drive. Access will also be provided via State Route (SR-20) and East Camp Road. Direct access to the site will be provided via a new driveway on Walnut Drive.

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SOURCE: Maxar 2021; Open Street Map 2023

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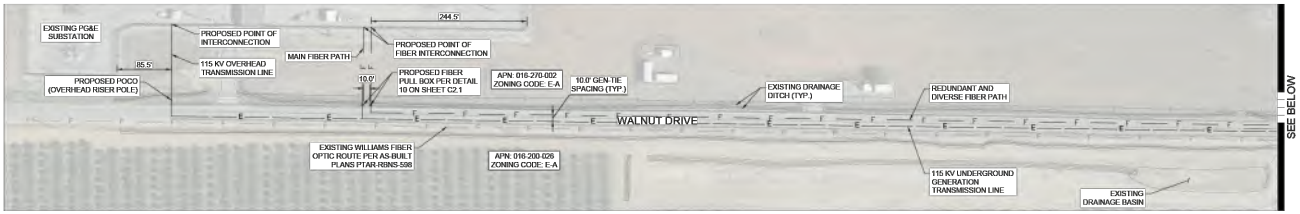
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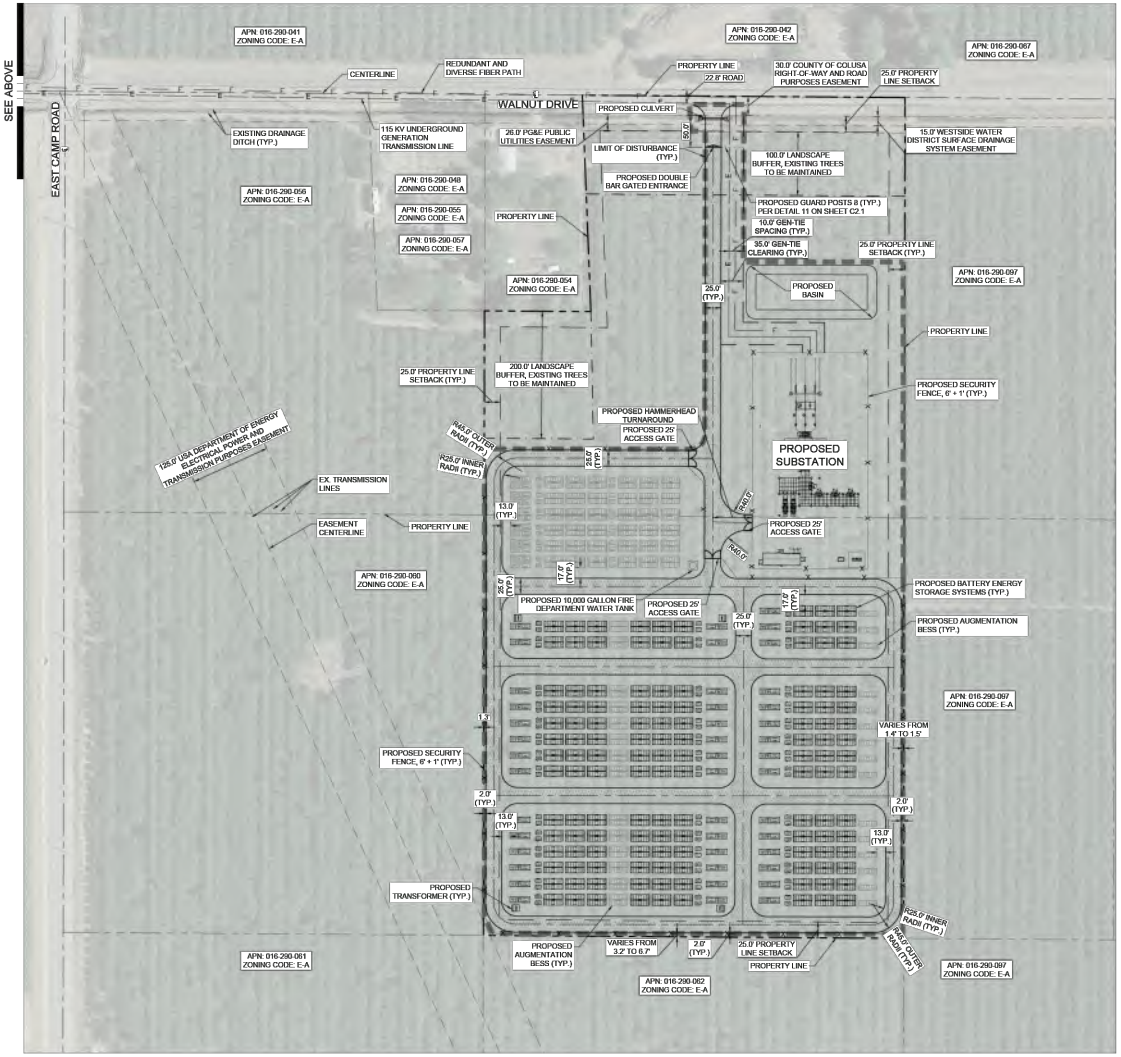
FIGURE 1

Project Location and Study Area

Saloon Energy Storage Project

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LEGEND

- PROPOSED BATTERY ENERGY STORAGE SYSTEMS
- PROPOSED BESS FUTURE AUGMENTATION CONTAINERS
- PROPOSED TRANSFORMER
- PROJECT PROPERTY LINE
- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING CENTERLINE
- EXISTING FIBER OPTIC ROUTE
- LIMIT OF DISTURBANCE LINE, TREES TO BE CLEARED WITHIN THIS BOUNDARY
- PROPOSED SITE PERIMETER SECURITY FENCE
- PROPOSED GENERATION TRANSMISSION LINE
- PROPOSED FIBER PATH
- PROPOSED 25' ALL WEATHER ACCESS ROAD
- SETBACK
- PROPOSED 25' SITE ACCESS GATE
- LANDSCAPE BUFFER
- EASEMENT

SOURCE: Kimley Horn, 2024.

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FIGURE 2

Site Plan

Saloon Energy Storage Project

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2 Existing Setting

This section describes key study area roadways, as well as transit, pedestrian, and bicycle facilities within the vicinity of the Project.

2.1 Roadway Network

The following describes the roadway network in the Project's vicinity. The County's Circulation Element is presented in Figure 3.

Interstate 5 (I-5) is a north-south oriented, generally four-lane freeway located east of the Project. It would provide regional access to the Project site via its interchange with Hahn Road, approximately 8 miles southeast of the project site. The posted speed limit is 70 miles per hour (MPH).

SR-20 is an east-west oriented, generally two-lane rural highway located north of the project. It would provide regional access to the Project site via its intersection with East Camp Road. The posted speed limit is 55 MPH.

Old Highway 99/Frontage Road is a north-south oriented, generally two-lane road located east of the project. The County of Colusa's Circulation Element classifies Old Highway 99/Frontage Road as a Major Collector. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

East Camp Road is a north-south oriented, generally two-lane road located west of the project. The County of Colusa's Circulation Element classifies East Camp Road as a Local road. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

Hahn Road is an east-west oriented, generally two-lane road located south of the project. The County of Colusa's Circulation Element classifies Hahn Road as a Major Collector. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

Meyers Road is an east-west, two-lane road, located south of the Project between Walters Creek and Ohm Road. The County of Colusa's Circulation Element classifies Meyers Road as a Major Collector within the study area. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

Walnut Drive is an east-west, two-lane road, located immediately north of the Project between Zumwalt Road and SR-20. The County of Colusa's Circulation Element classifies Walnut Drive as a Major Collector within the study area. The roadway will provide access to the proposed project driveway. There are no pedestrian or bicycle facilities along this road and there is no posted speed limit.

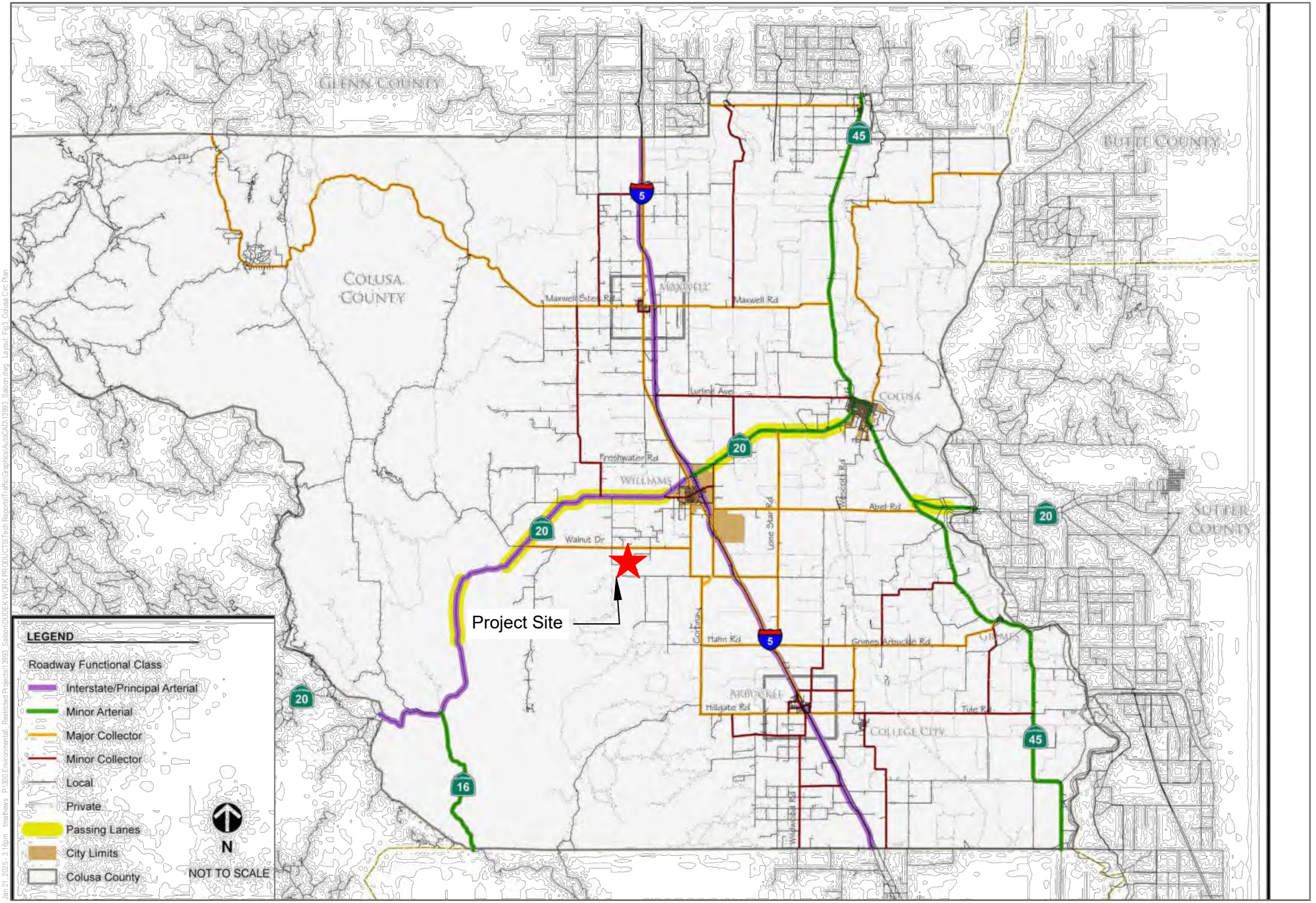
2.2 Transit Facilities

Colusa County Transit Agency (CCTA) is the sole transit provider for Colusa County. CCTA operates routes between Colusa, Williams, Arbuckle, Princeton, Maxwell, Stonyford, Sites, and Grimes/Meridian. CCTA also provides out-of-county medical appointments to Chico, Davis, Lincoln, Marysville, Oroville, Roseville, Sacramento, Willows, Woodland, and Yuba City. While no routes pass near the project vicinity, CCTA provides a dial-a-ride service which has coverage that overlaps with the project vicinity as seen in Figure 4 (Colusa County 2025).

2.3 Pedestrian and Bicycle Facilities

There are no sidewalks or bicycle facilities in the vicinity of the site as many of the roads in the area are rural and/or undeveloped. However, a Class 3 bike route (signed-only) with 3-foot shoulders is proposed on SR-20 and Walnut Drive near the project site. The regional bicycle facilities are presented on Figure 5.

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SOURCE: Colusa County, 2012. Fehr & Peers, 2011.

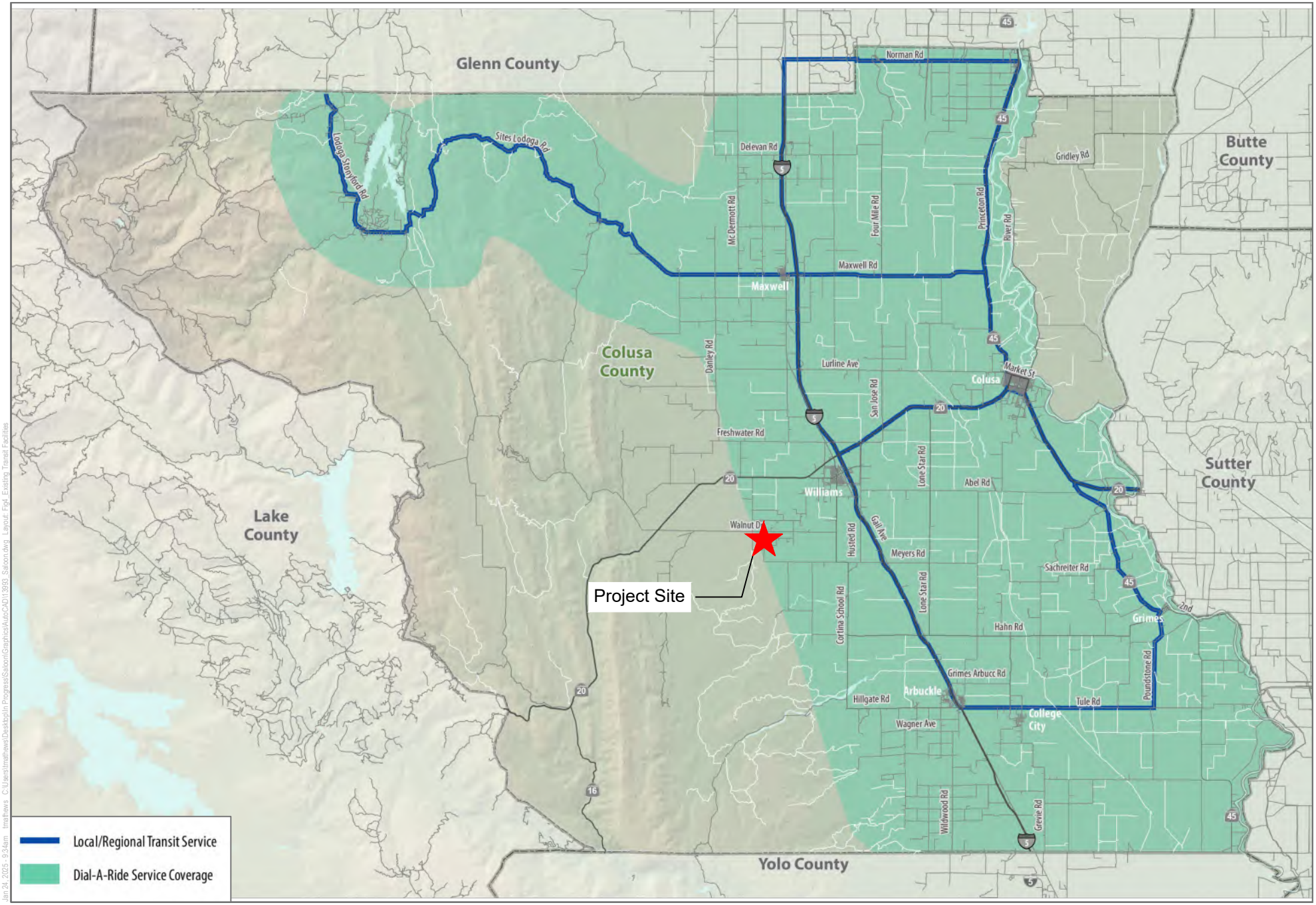
FIGURE 3

Colusa County Circulation Plan

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Saloon Energy Storage Project

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SOURCE: Colusa County, 2019. Fehr & Peers, 2019.

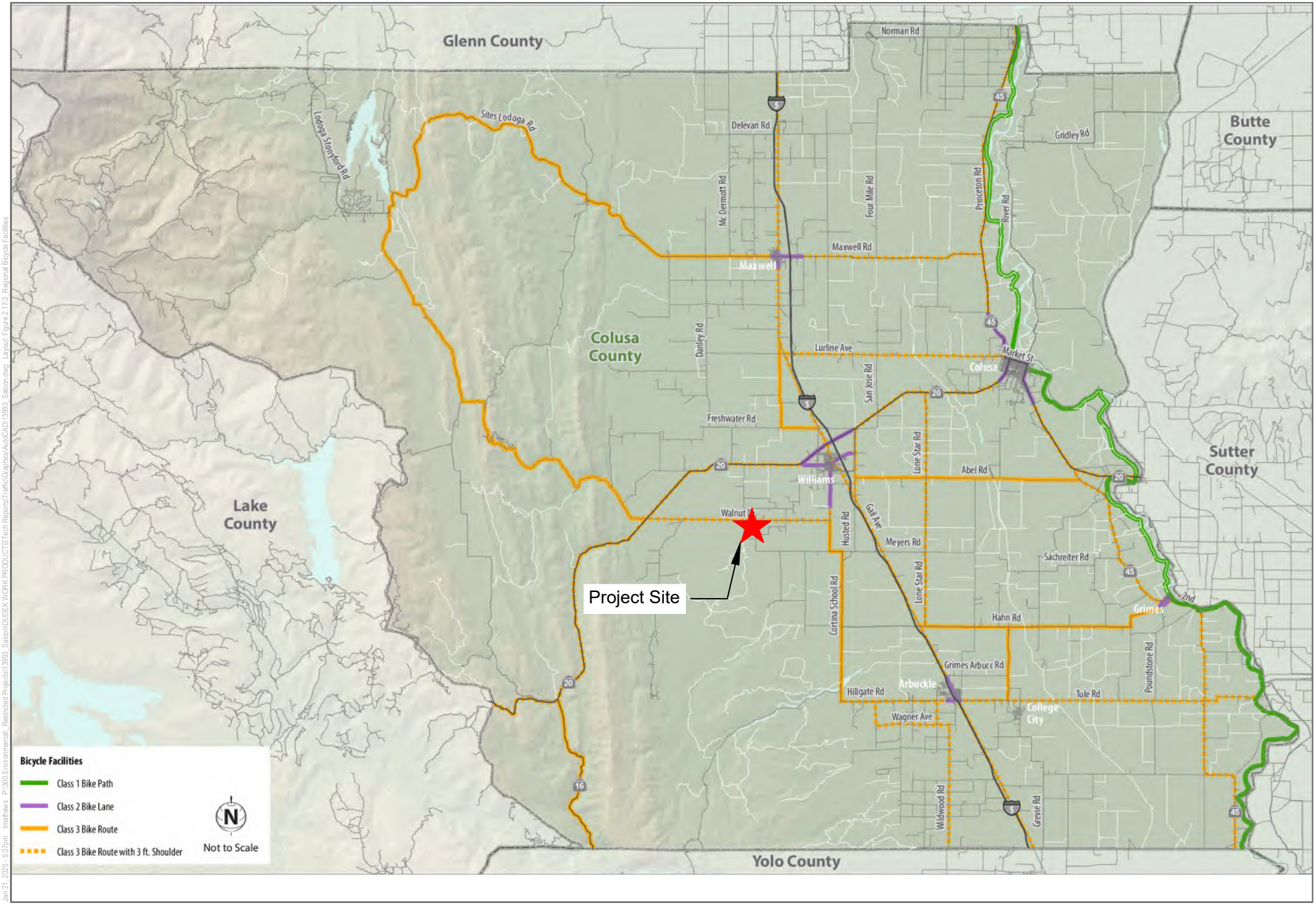
FIGURE 4

Existing Transit Facilities

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SOURCE: Colusa County, 2019. Fehr & Peers, 2019.

Figure 5

Colusa County Proposed Regional Bicycle Facilities

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Saloon Energy Storage Project

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3 Project Traffic

The peak construction period when the highest volumes of construction-related traffic would be generated would be within a one-month period, from approximately December 2026 to January 2027, when multiple phases of Project construction would occur concurrently. Trip generation estimates for the peak construction phase are based on the number of workers and the amount of truck traffic that would be generated to and from the site daily and during the AM and PM peak commuting hours. The overall peak construction period was used to calculate the estimated trip generation for the Project.

3.1 Construction Trip Generation

Generally, construction work schedules are expected to be 12 hours per day 7 days a week. Typically, the workday would consist of shifts beginning as early as 5:00 a.m. and ending as late as 7:00 p.m. The work schedule may be modified throughout the year to account for the changing weather conditions. For instance, during hot weather, it may be necessary to start work earlier to protect the health and safety of workers and/or avoid pouring concrete during high ambient temperatures. Additional hours and/or nighttime work and weekend work (Saturdays and Sundays) may be necessary to make up schedule deficiencies, or to complete critical construction activities (e.g., PV block construction, foundation pouring, or working around time-critical shutdowns and constraints). During construction, a maximum of 85 workers per day would commute to the Project site.

To provide a conservative analysis, all construction workers were assumed to arrive inbound to the site during the AM peak period (7:00 a.m. to 9:00 a.m.) and all workers were assumed to depart the site during the PM peak period (4:00 p.m. to 6:00 p.m.). Truck deliveries are typically sporadic throughout the workday; therefore, truck arrivals and departures were assumed to be distributed evenly over the course of the 12-hour workday.

The trip generation estimates during the peak construction period for the Project are summarized in Table 1 below. To account for the impact construction-related trucks may have compared to passenger vehicles, passenger car equivalence (PCE) factors were applied to the trip generation estimates. A 1.0 PCE factor was applied to passenger vehicles, 2.0 PCE for vendor trucks and water trucks, and 3.0 PCE for haul trucks.

Table 1. Peak Period of Construction Trip Generation Estimates

Vehicle Type	Daily Quantity		Daily Trips	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Non-PCE Adjusted Trip Generation									
Construction Workers[1]	85	workers	170	85	0	85	0	85	85
Vendor Trucks[2]	32	trucks	64	3	3	6	3	3	6
Haul Trucks[2]	13	trucks	26	2	1	3	2	1	3
Peak Total Trip Generation (Non-PCE)			**260**	**90**	**4**	**94**	**5**	**89**	**94**
PCE Adjusted Trip Generation									
Construction Workers	85	workers	170	85	0	85	0	85	85
Vendor Trucks[3]	32	trucks	128	6	6	12	6	6	12
Haul Trucks[3]	13	trucks	78	6	3	9	6	3	9
Peak Total Trip Generation (PCE)			**376**	**97**	**9**	**106**	**12**	**94**	**106**

Notes: PCE = passenger car equivalence.
1 Conservatively assumes all construction workers arrive in the AM peak hour and depart the site in the PM peak hour.
2 Trucks are assumed to arrive and depart the site evenly throughout the workday.
3 Vendor and water trucks were estimated to have an approximately 2.0 PCE adjusted value, while haul trucks were estimated to have an approximately 3.0 PCE adjusted value.

As shown in Table 1, the peak period of construction for the Project would generate approximately 260 daily trips, 94 AM peak hour trips, and 94 PM peak hour trips. After trip generation estimates were adjusted utilizing PCE factors, the peak period of construction for the Project would generate approximately 376 daily trips, 106 AM peak hour trips, and 106 PM peak hour trips. For all other phases of construction, the amount of vehicular traffic is estimated to be less than the peak period.

Decommissioning

The Project has an operational life of at least 30 years. Transportation impacts of decommissioning at the end of the Project's operational life are expected to be similar to the impacts from construction outlined above. However, traffic volumes within the study area cannot be projected that far in the future, and as such a specific analysis and outcome of impacts cannot be determined at this time. A Decommissioning Plan will be prepared for the Project, which will be updated immediately prior to decommissioning. The Decommissioning Plan will include measures specific to transportation impacts of decommissioning if necessary.

3.2 Construction Trip Distribution and Assignment

The project-related construction traffic was distributed on the local and regional road network based on logical travel paths to and from the Project site. It is estimated that majority of the construction workers would come from either Yuba City or Sacramento via I-5 and SR-20. Project trip distribution percentages are shown in Figures 6 and 7, for passenger vehicle and truck trips, respectively.

Project trips were assigned to the study area intersections by applying the above-referenced Project trip generation estimates to the trip distribution percentages at each study intersection. The Project trip assignments are shown in Figures 8, 9 and 10 for passenger vehicle, truck, and total trip assignments, respectively.

3.3 Permanent Operations

Upon commissioning, the Project would enter the operational phase. For the duration of the operational phase, the Project would require one to two staff members that will visit the site on a weekly basis. Operations would be monitored remotely via the SCADA system, and periodic inspections and maintenance activities would occur.

Daily trips generated by the Project would be less than 10 daily trips associated with the one to two employees commuting to the site, visitors, and/or light deliveries. The number of permanent trips associated with the Project are not expected to impact the study area roadway network. The roadway conditions in the Project vicinity would not substantially differ from existing conditions during the O&M phase.

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SOURCE: Maxar 2021; Open Street Map 2023

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FIGURE 6

Construction Project Passenger Vehicle Trip Distribution

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SOURCE: Maxar 2021; Open Street Map 2023

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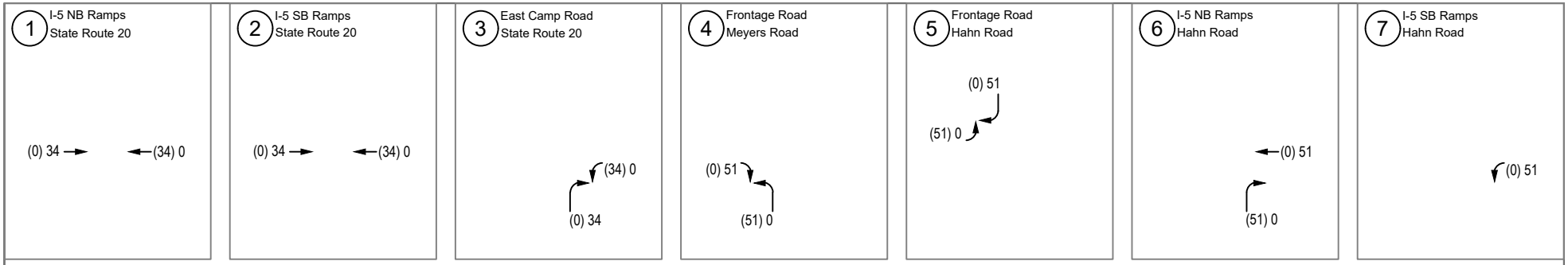
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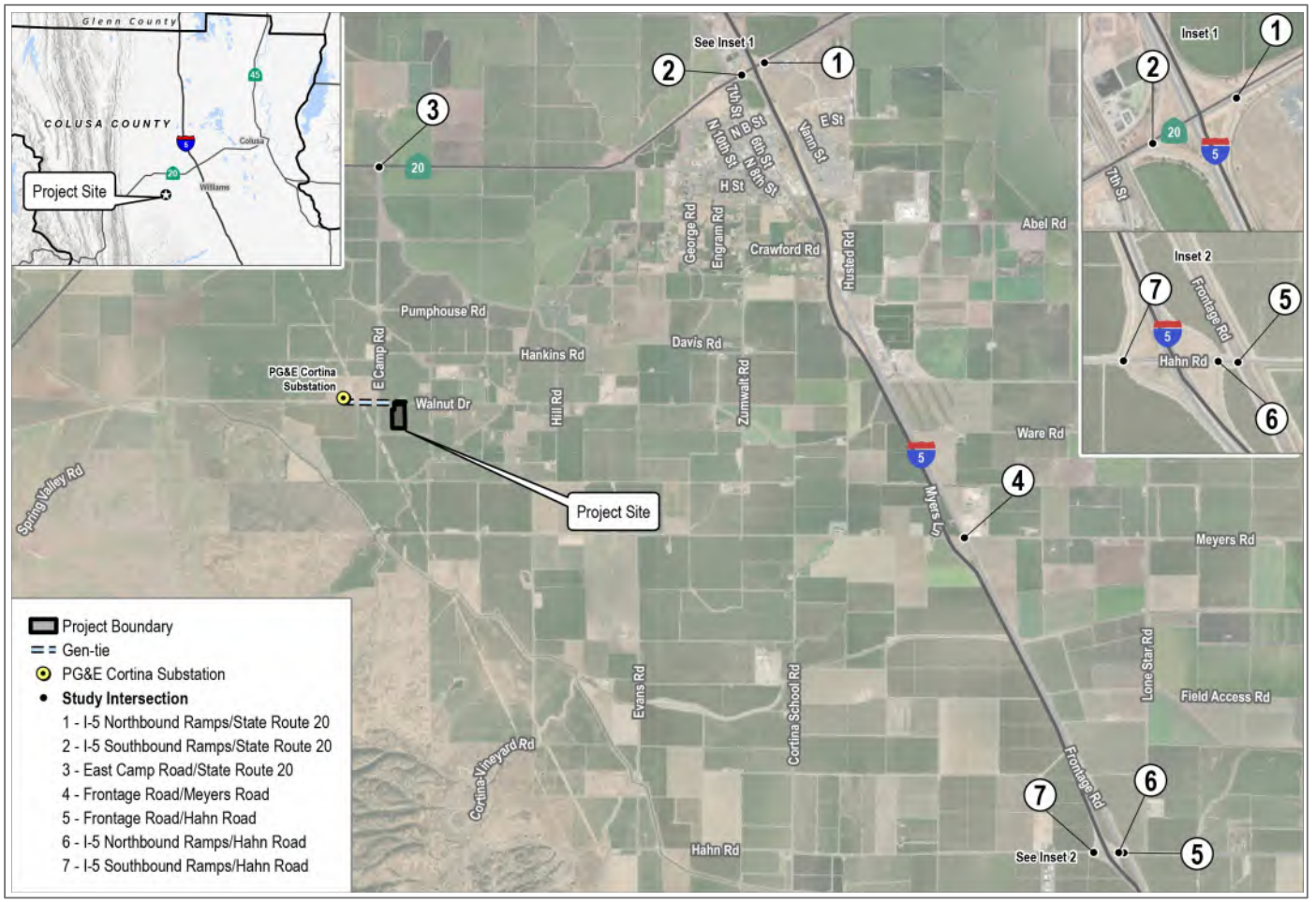
FIGURE 7

Construction Project Truck Trip Distribution

Saloon Energy Storage Project

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(X) Weekday AM Peak Hour Traffic Volumes

X Weekday AM Peak Hour Traffic Volumes

SOURCE: Maxar 2021; Open Street Map 2023

FIGURE 8

Construction Project Passenger Vehicle Trip Assignment

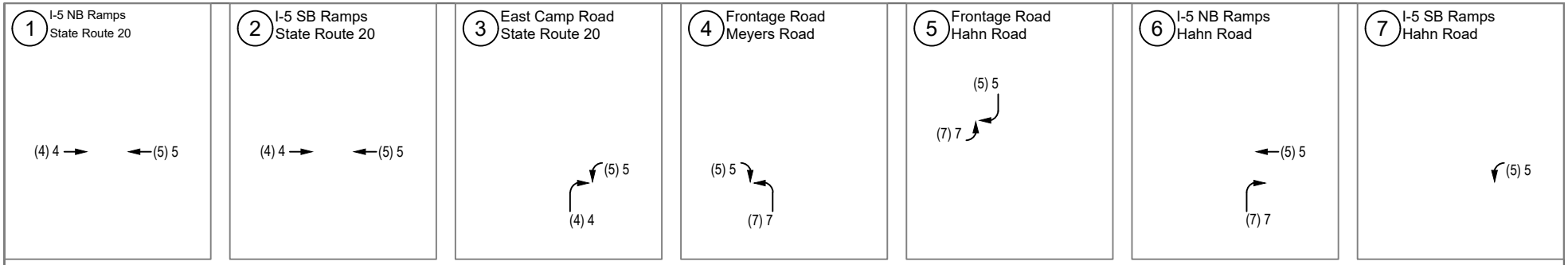
Saloon Energy Storage Project

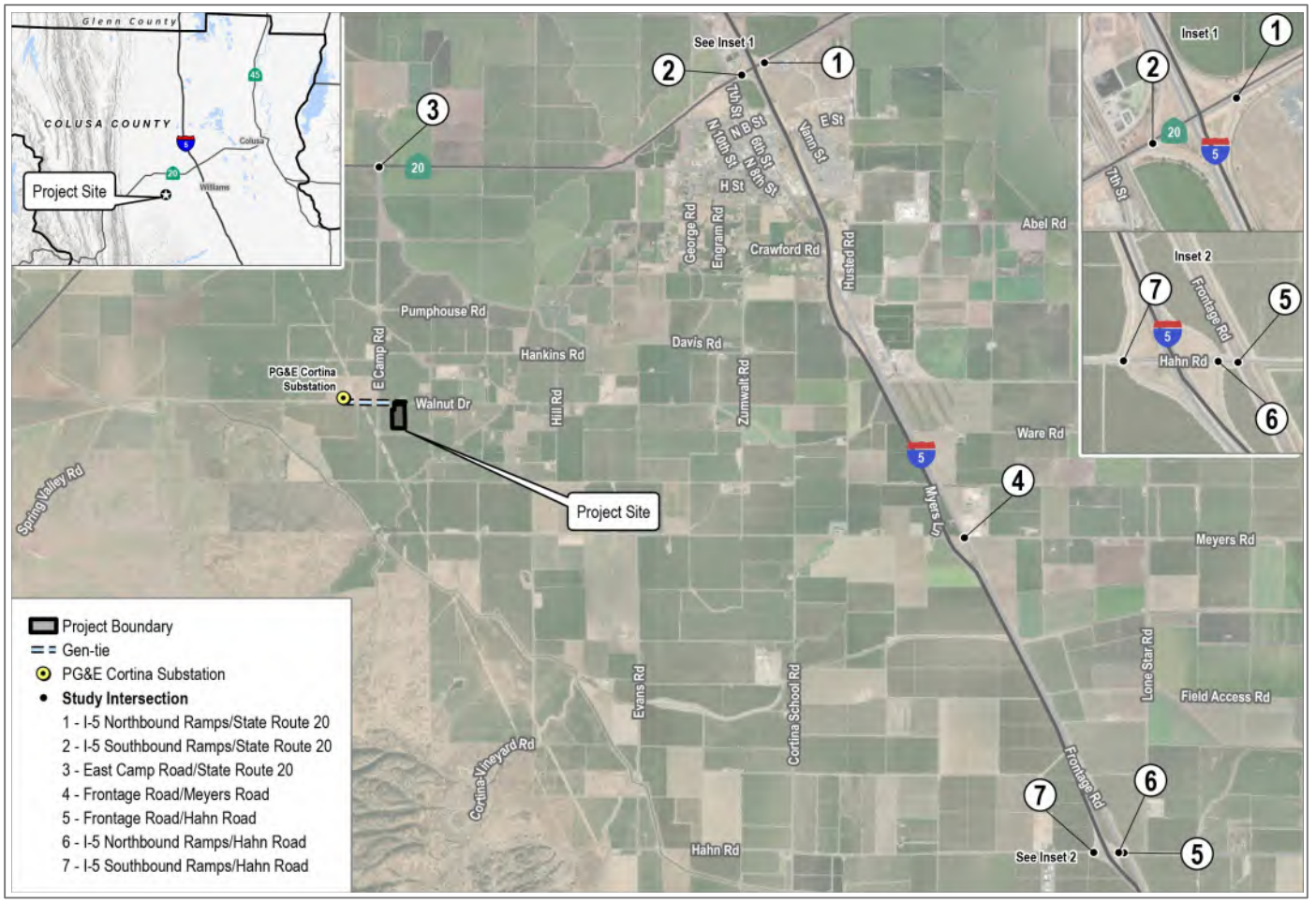
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(X) Weekday AM Peak Hour Traffic Volumes

X Weekday AM Peak Hour Traffic Volumes

SOURCE: Maxar 2021; Open Street Map 2023

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FIGURE 9

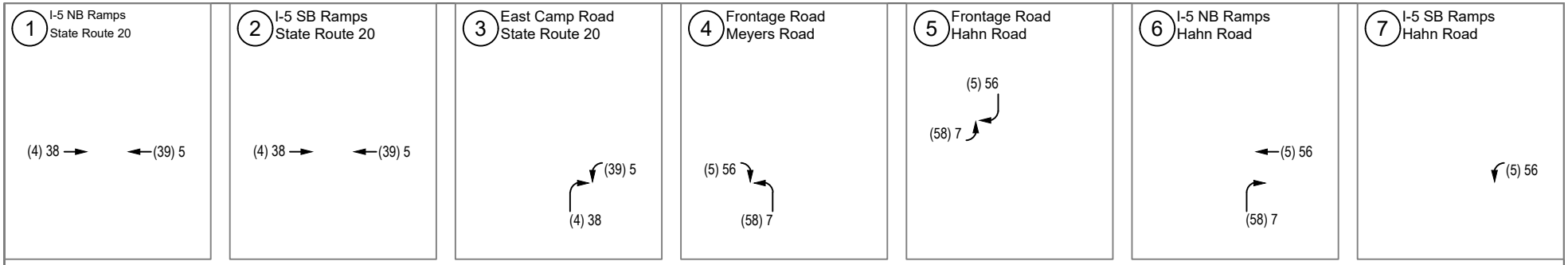
Construction Project Truck Trip Assignment (PCE)

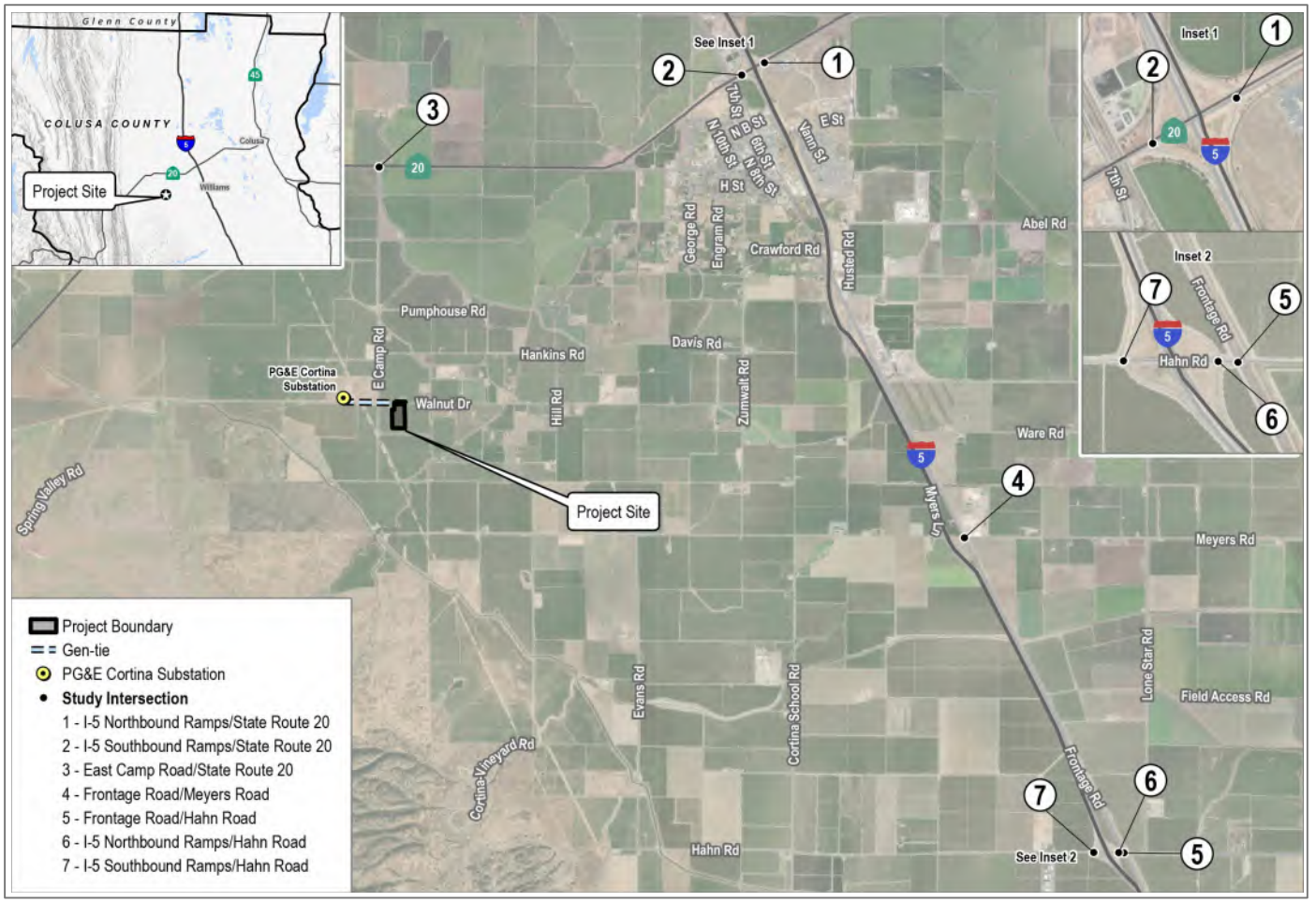
Saloon Energy Storage Project

DUDEK

Jan 23, 2025 - 4:11pm tmatthews C:\Users\tmatthews\Desktop\In Progress\Saloon\Graphics\AutoCAD\13993_Saloon.dwg Layout: Fig9-TRK_TripAsgn

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Legend

(X) Weekday AM Peak Hour Traffic Volumes

X Weekday AM Peak Hour Traffic Volumes

SOURCE: Maxar 2021; Open Street Map 2023

FIGURE 10

Construction Project Total Trip Assignment (PCE)

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NOT TO SCALE

Saloon Energy Storage Project

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4 Level of Service Methodology and Thresholds

Although automobile delay, as measured by level of service (LOS), no longer constitutes a significant environmental effect under CEQA, Colusa County has vehicle LOS policies to ensure that proposed developments are consistent with the County's Circulation Element. Therefore, a LOS analysis for the peak period of construction activities was prepared to evaluate the Project's consistency with the County's policies. It should be noted that the freeway and highway interchanges at I-5 and SR-20 are also within Caltrans jurisdiction, however since Caltrans no longer prioritizes LOS in its evaluation of proposed projects, choosing instead to focus on safety and reducing VMT, the County's LOS policies are applied in this analysis. The study intersections, analysis scenarios, traffic volumes, and LOS methodology and impact criteria are presented in the following section.

Study Intersections

The study intersections were selected based on locations with higher existing traffic volumes (e.g. along Major Collectors and freeway ramps) and where the Project's construction phase would add the greatest number of peak hour trips. This includes the following intersections:

1. I-5 Northbound Ramps/ State Route 20
2. I-5 Southbound Ramps/ State Route 20
3. East Camp Road/ State Route 20
4. Old Highway 99 (Frontage Road)/ Meyers Road
5. Old Highway 99 (Frontage Road)/ Hahn Road
6. I-5 Northbound Ramps/ Hahn Road
7. I-5 Southbound Ramps/ Hahn Road

The existing intersection controls and geometrics are provided in Figure 11.

Analysis Scenarios

Intersection LOS analyses were prepared for the weekday, AM and PM peak hours at the study area intersections listed above for the following analysis scenarios:

- Existing Conditions
- Existing plus Project Peak Construction Phase

4.1 Traffic Volumes

Daily, AM and PM peak hour turning movements counts were collected at the study intersections in January 2025. The raw traffic data is provided in Appendix A. Traffic counts were adjusted to passenger car equivalents (PCE) to reflect truck traffic according to industry standards, as shown below:

- Light-duty trucks (2-axle): 1.5 PCE
- Medium-duty trucks (3-axle): 2.0 PCE

- Heavy-duty trucks (4+-axle): 3.0 PCE

The existing peak hour traffic volumes with PCE adjustments are provided in Figure 12 and the existing plus peak period construction traffic volumes are provided in Figure 13.

4.2 Analysis Methodology

LOS is commonly used as a qualitative description of intersection operations and roadway segments and is based on the design capacity of the intersection configuration and roadway facility, compared to the volume of traffic using the facility. Consistent with the County's Circulation Element, the evaluation methodology used to assess transportation impacts and traffic operating conditions for intersections is based on the latest version of the Highway Capacity Manual (HCM) methodology.

The HCM analysis methodology describes the operation of an intersection using a range of LOS from LOS A (free-flow conditions) to LOS F (severely congested conditions), based on the corresponding control delay experienced per vehicle based on the worst turning movement for unsignalized intersections.

Synchro version 12 software was used to determine intersection LOS (for all scenarios), consistent with HCM 7 methodologies. Detailed LOS calculation worksheets (for all scenarios) are included in Appendix B. Table 2 shows the LOS values by delay ranges for unsignalized intersections under the HCM methodology.

Table 2. Levels of Service for Intersections using HCM Methodology

Level of Service	Unsignalized Intersections Control Delay (in seconds per vehicle)
A	≤10.0
B	>10.0 to <15.0
C	>15.0 to <25.0
D	>25.0 to <35.0
E	>35.0 to <50.0
F	>50.0

Source: HCM 7 (Transportation Research Board 2022).

4.3 General Plan Consistency Requirements

Colusa County's General Plan Circulation Element contains the following policies and programs related to transportation compliance and LOS requirements. These policies were used to identify the Project's potential impacts on intersections LOS:

- Policy Circ 1-4: Define level of service (LOS) consistent with the latest edition of the Highway Capacity Manual and calculate using the methodologies contained in that manual. At a minimum, weekday AM and PM peak hour traffic volumes will be used in determining compliance with the level of service standard. The analysis of other periods may be appropriate and will depend on type of use.

- Policy Circ 1-5: Maintain LOS C or better for County roadways and intersections in the unincorporated County.

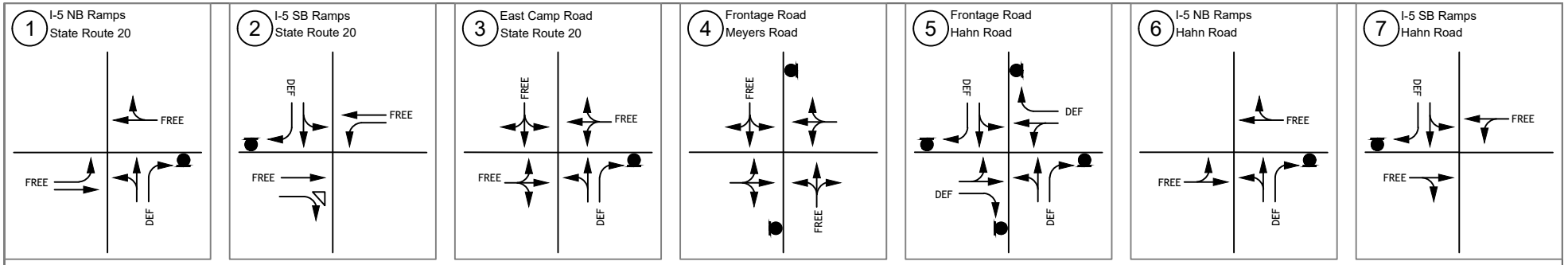
- Policy Circ 1-6: Maintain levels of service on state highways consistent with Caltrans standards, to the extent feasible.

Based on the above, the County has adopted LOS C as the minimum acceptable operating standard for intersections and roadways as it relates to the Project's study area.

4.4 Caltrans Transportation Impact Study Guide

As the owner and operator of the State Highway System, Caltrans implements established state planning priorities in all functional plans, programs, and activities. Caltrans has the responsibility to coordinate and consult with local jurisdictions when proposed local land use planning and development may impact state highway facilities. To comply with Senate Bill (SB) 743 implementation, the Caltrans Transportation Impact Study Guide (Caltrans 2020a), replaced the Guide for the Preparation of Traffic Impact Studies. Per the 2020 Transportation Impact Study Guide, Caltrans' primary review focus is VMT, replacing LOS as the metric used in CEQA transportation analyses. Caltrans recommends use of the LCI recommended thresholds and guidance on methods of VMT assessment found in LCI's (formerly OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA (LCI 2018). In addition to VMT, Caltrans has developed an Interim Local Development and Intergovernmental Review Safety Review Practitioners Guidance (December 2020b) which may require a targeted operational and safety analysis to address operational issues, including operational issues caused by an unacceptable LOS. However, since all freeway ramp intersections currently operate at an acceptable LOS (as is shown in Section 5, LOS Analysis), and because the permanent operation of the Project is expected to generate a nominal number of trips, there are no operational issues and no further analysis required.

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Legend

- Study Intersection
- Stop Sign
- Lane Geometrics
- FREE Free Movement
- DEF De Facto Right Turn

SOURCE: Maxar 2021; Open Street Map 2023

FIGURE 11

Existing Intersection Controls and Geometrics

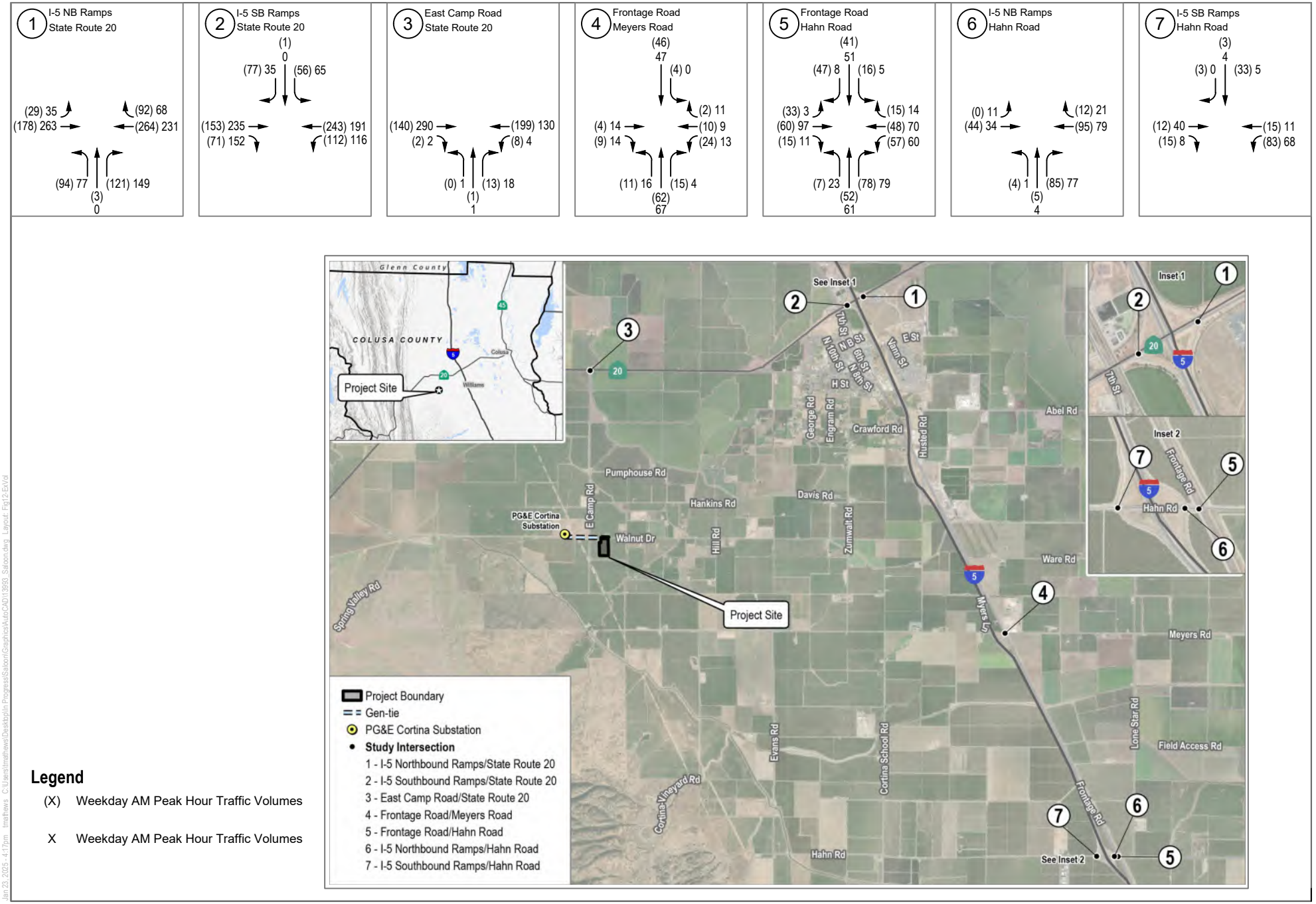
DUDEK

NOT TO SCALE

Saloon Energy Storage Project

Jan 23, 2025 - 4:15pm tmathews C:\Users\tmathews\Desktop\In Progress\Saloon\Graphics\AutoCAD\13993_Saloon.dwg Layout: Fig11-GEO

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Legend

(X) Weekday AM Peak Hour Traffic Volumes

X Weekday AM Peak Hour Traffic Volumes

SOURCE: Maxar 2021; Open Street Map 2023

FIGURE 12

Existing Peak Hour Traffic Volumes (PCE)

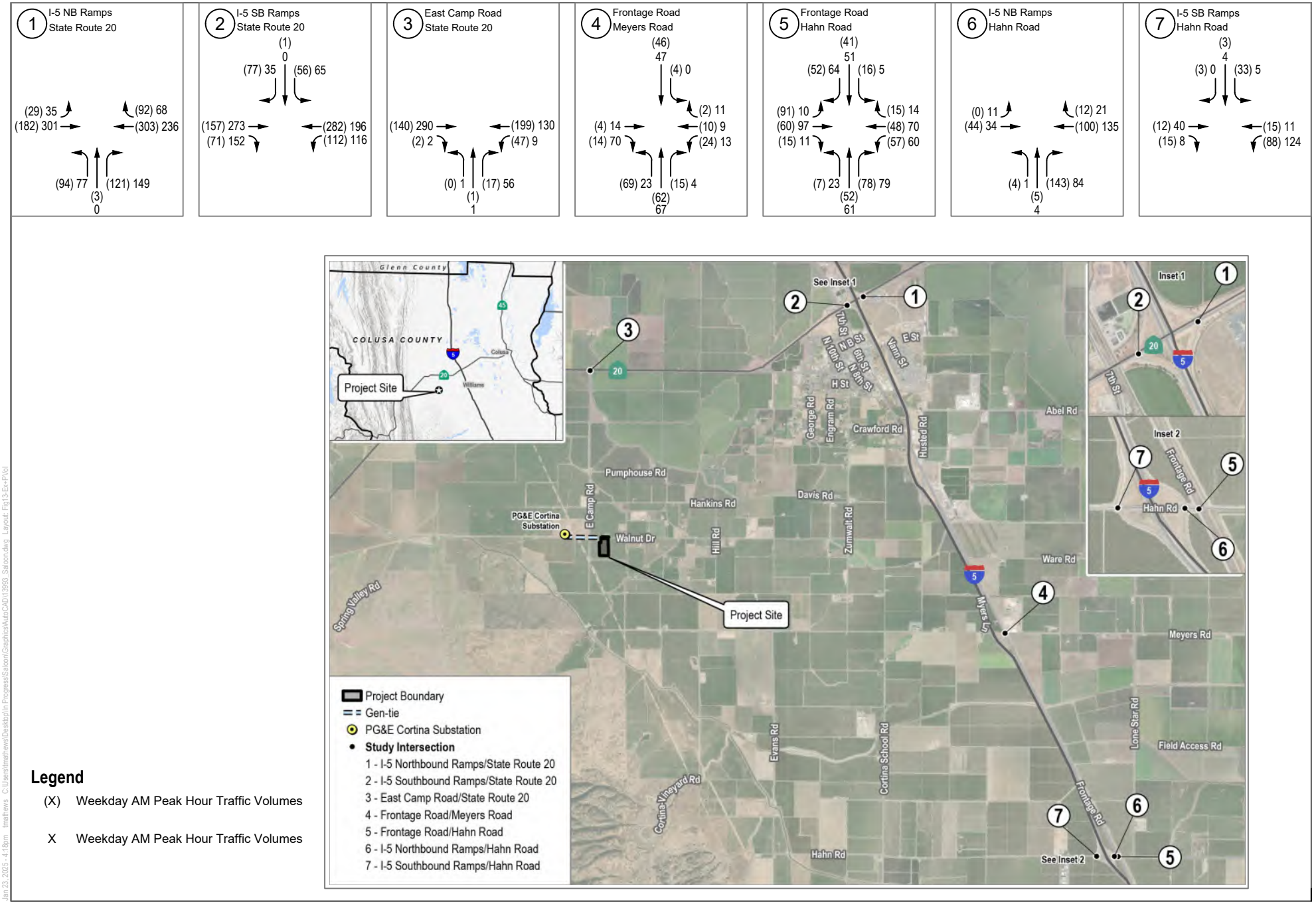
DUDEK

NOT TO SCALE

Saloon Energy Storage Project

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(X) Weekday AM Peak Hour Traffic Volumes

X Weekday AM Peak Hour Traffic Volumes

SOURCE: Maxar 2021; Open Street Map 2023

FIGURE 13

Existing plus Project Peak Hour Traffic Volumes (PCE)

DUDEK

NOT TO SCALE

Saloon Energy Storage Project

Jan 23, 2025 - 4:18pm tmatthews C:\Users\tmatthews\Desktop\In Progress\Saloon\Graphics\AutoCAD\13993_Saloon.dwg Layout: Fig13-Ex+PVol

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5 Level of Service Analysis

This section presents the results of the LOS analysis for the Existing conditions, with and without the project construction traffic.

5.1 Existing Conditions (2025)

Table 3 summarizes the results of the intersection analysis for the AM and PM peak hours for existing conditions. As shown in the table, all the study intersections are currently operating at satisfactory levels of service (LOS C or better) under existing conditions and will continue to operate at satisfactory LOS with the peak period of construction traffic added.

Table 3. Existing Weekday Peak Hour Intersection LOS (with and without Project)

No.	Intersection	Traffic Control[1]	Existing				Existing plus Peak period Construction				Change in Delay (Sec.)		Threshold Exceeded?	
			AM Peak		PM Peak		AM Peak		PM Peak					
			Delay[2]	LOS[2]	Delay[2]	LOS[2]	Delay[2]	LOS[2]	Delay[2]	LOS[2]	AM	PM	AM	PM
1	I-5 Northbound Ramps/State Route 20	TWSC	14.0	B	15.3	C	14.7	B	16.2	C	0.7	0.9	No	No
2	I-5 Southbound Ramps/State Route 20	TWSC	16.5	C	18.4	C	17.5	C	19.7	C	1.0	1.3	No	No
3	East Camp Road/State Route 20	TWSC	11.800	B	12.800	B	13.0	B	13.0	B	1.2	0.2	No	No
4	Frontage Road/Meyers Road	TWSC	10.1	B	9.8	A	11.7	B	10.1	B	1.6	0.3	No	No
5	Frontage Road/Hahn Road	AWSC	8.7	A	9.2	A	9.3	A	9.4	A	0.6	0.2	No	No
6	I-5 Northbound Ramps/Hahn Road	TWSC	9.3	A	9.7	A	9.3	A	10.2	B	0.0	0.5	No	No
7	I-5 Southbound Ramps/Hahn Road	TWSC	10.1	B	10.9	B	10.2	B	13.1	B	0.1	2.2	No	No

Source: Appendix B.
Notes:
1 TWSC = two-way stop control; AWSC = all-way stop-controlled
2 Delay in seconds per vehicle; highest movement delay is reported for TWSC intersections; LOS = Level of Service.
Bold: Exceeds County's threshold.

6 Project Site Access

As shown in Figure 1, delivery of materials and supplies would reach the site via I-5, Hahn Road, Frontage Road/Old Highway 99, Meyers Road, Zumwalt Road, Walnut Drive, SR-20 and East Camp Road. Direct access to the site will be provided via a new driveway on Walnut Drive.

All surrounding roadways have enough pavement width to accommodate large trucks, and do not have pedestrian or bicycle facilities. The Project site access roads would be located such that slow trucks exiting the site would be visible to oncoming traffic and would allow for traffic to slow down and be aware of trucks. In situations where there may be a large amount of slow-moving truck traffic entering or exiting the Project site at one time, the contractor should perform this activity during off-peak times and utilize flaggers to warn of slow-moving trucks ahead. It is expected that construction workers would park on-site and would not be staged or transported from any offsite location. These items are described as part of the Construction Traffic Management plan below. Additionally, the Project site would be readily accessible by emergency vehicles along Walnut Drive.

6.1 Construction Traffic Management Plan

While all construction related trips would be temporary for the duration of Project construction and background traffic volumes and travel patterns would return to pre-construction conditions upon the completion of construction, due to the possible closure of lanes, traffic delays, and because of slow-moving vehicles, a mitigation measure (MM-TRA-1) in the form of a Construction Traffic Management Plan is recommended to minimize potential impacts during construction.

MM-TRAF-1

Prior to initiation of construction activities, a construction traffic management plan will be prepared and filed with the County. The construction traffic management plan would include strategies to reduce the number of trucks that would be generated during both the AM and PM peak hours. Potential traffic management measures may also include:

- Warning signage to meet County and Caltrans requirements for driver awareness of construction activity in the vicinity.
- Stagger work shifts to reduce peak periods of congestion.
- Limit time for heavy truck deliveries.
- Use of flaggers at key locations to alert motorists to slow moving trucks.
- Information packet for affected residents to bring awareness to the Project activities and measures to minimize impacts.
- Informing emergency service providers of construction traffic schedule.

7 VMT Analysis

On September 27, 2013, Governor Brown signed SB 743, with the purpose of streamlining the California Environmental Quality Act (CEQA) review process for several categories of development projects. A key element of SB 743, is the elimination of automobile delay and LOS as the sole basis of determining CEQA impacts. The most recent CEQA guidelines, released in December 2018, recommend VMT as the most appropriate measure of evaluating transportation impacts. In accordance with SB 743 and the updated CEQA Guidelines, a VMT analysis has been prepared. The County has not yet adopted guidelines related to VMT, therefore the analysis is based on LCI's Technical Advisory on Evaluating Transportation Impacts in CEQA (LCI 2018).

It should be noted that there is no significance threshold for construction or maintenance activities, and therefore consistent with CEQA Guidelines Section 15064.3(b)(3), this assessment provides a qualitative analysis of construction traffic. Additionally, per LCI's Technical Advisory, traffic associated with heavy trucks is not required to be included in the estimation of a project's VMT.

7.1 Project Construction

The Project would result in temporary construction related trips that would be generated only during the construction phase. Construction workers are expected to travel to and from the construction site and live up to 50 miles from the Project site (likely either the Yuba City or Sacramento areas). Thus, the remoteness of the Project site would increase Project-generated VMT. However, the VMT thresholds described in the LCI Technical Advisory do not apply to construction trips. While there will be elements of the construction of the Project that could potentially produce a high number of VMT, impacts would be less than significant as VMT would return to pre-Project conditions once construction is completed.

Decommissioning impacts are expected to be similar to construction impacts, although future decommissioning impacts cannot be projected with certainty at this time. Therefore, VMT decommissioning impacts would be less than significant.

7.2 Project Operations

Per the LCI Technical Advisory, certain types of projects are presumed to have a less than significant impact and a quantitative VMT analysis is not required (LCI 2018). This includes a presumption of less than significant impacts for small projects (projects that generate 110 daily trips or less).

The permanent O&M of the Project would be maintained by up to 1 to 2 permanent staff employees and monitored remotely via a SCADA system. Daily trips generated by the Project would be less than 10 daily trips associated with the 1 to 2 permanent employees commuting to the site, visitors, and/or light deliveries. Thus, Project operation is presumed to have a less than significant impact to VMT since it meets OPR's screening criteria for small projects and would generate 110 or less (permanent) daily trips.

8 References

Caltrans. 2020a. Transportation Impact Study Guide. Accessed March 7, 2023. https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/sb-743/2020-05-20-approved-vmt-focused-tisg-a11y.pdf.

Caltrans. 2020b. Interim Land Development and Intergovernmental Review Safety Review Practitioners Guidance. Accessed March 7, 2023. https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/sb-743/2020-12-22-updated-interim-ldigr-safety-review-guidance-a11y.pdf

LCI (Governor's Office of Land Use and Climate Innovation; formerly OPR). 2018. Technical Advisory on Evaluating Transportation Impacts in CEQA. State of California.

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Colusa County. 2019. 2018 Colusa County Regional Transportation Plan Update. https://www.countyofcolusaca.gov/DocumentCenter/View/11093

Colusa County. 2012. Colusa County General Plan, Circulation Element. https://www.countyofcolusaca.gov/DocumentCenter/View/2720

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Appendix A
Raw Traffic Counts

INTERSECTION TURNING MOVEMENT COUNTS

T020624

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, Jan 14, 25

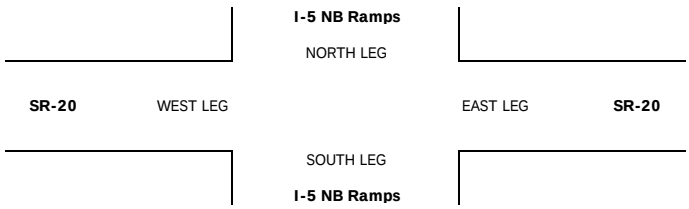
LOCATION: Colusa
NORTH & SOUTH: I-5 NB Ramps
EAST & WEST: SR-20

PROJECT #: SC5128
LOCATION #: 1
CONTROL: STOP N

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

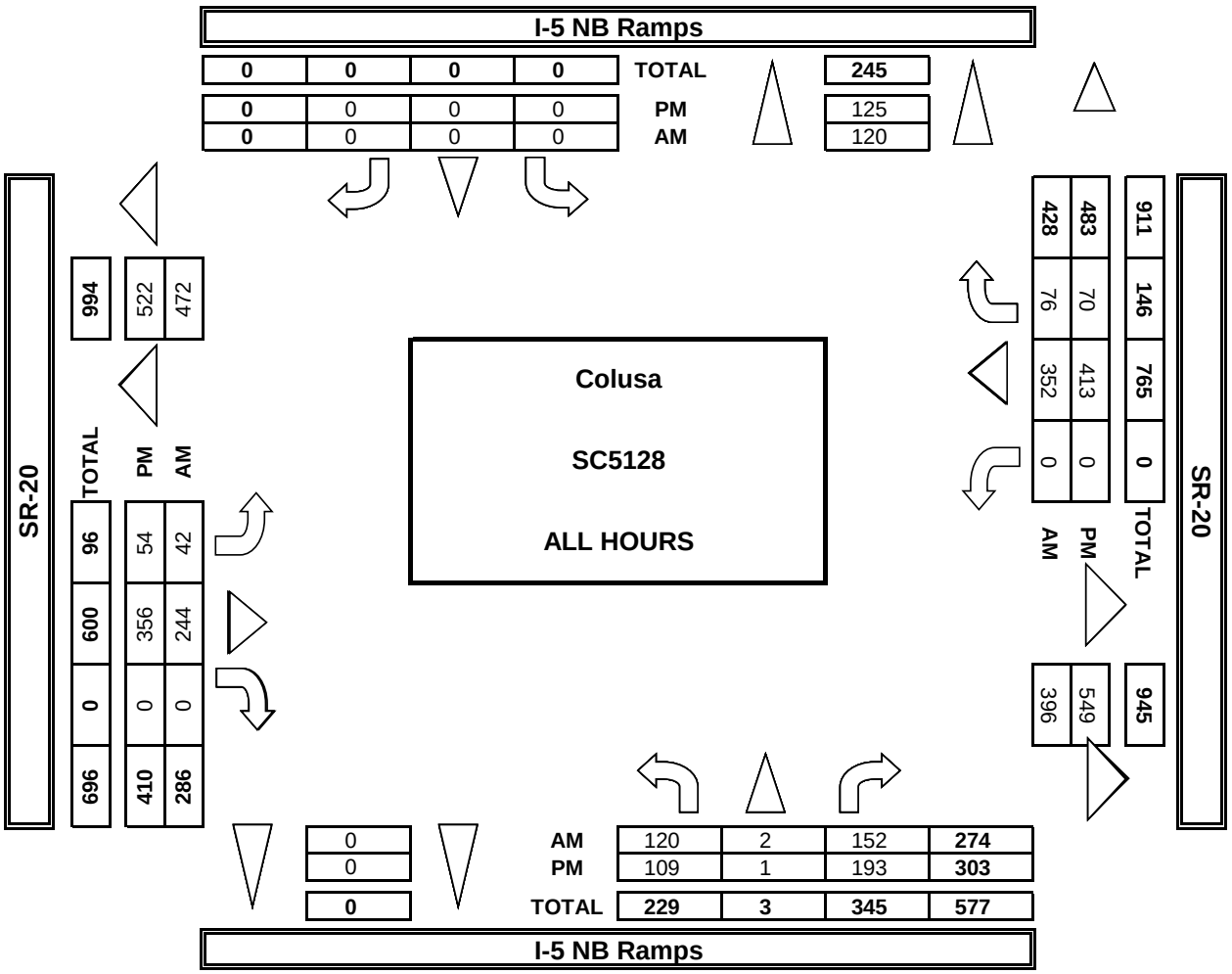
		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 1	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	15	0	24	0	0	0	4	20	0	0	40	7	110	0	0	0	0	0
	7:15 AM	20	0	16	0	0	0	10	24	0	0	40	8	118	0	0	0	0	0
	7:30 AM	13	1	16	0	0	0	3	33	0	0	58	9	133	0	0	0	0	0
	7:45 AM	18	0	24	0	0	0	5	37	0	0	49	9	142	0	0	0	0	0
	8:00 AM	13	0	20	0	0	0	4	39	0	0	46	14	136	0	0	0	0	0
	8:15 AM	17	0	21	0	0	0	4	33	0	0	45	10	130	0	0	0	0	0
	8:30 AM	9	1	18	0	0	0	6	30	0	0	41	7	112	0	0	0	0	0
	8:45 AM	15	0	13	0	0	0	6	28	0	0	33	12	107	0	0	0	0	0
	VOLUMES	120	2	152	0	0	0	42	244	0	0	352	76	988	0	0	0	0	0
	APPROACH %	44%	1%	55%	0%	0%	0%	15%	85%	0%	0%	82%	18%						
	APP/DEPART	274	/	120	0	/	0	286	/	396	428	/	472	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	61	1	81	0	0	0	16	142	0	0	198	42	541	0	0	0	0	
	APPROACH %	43%	1%	57%	0%	0%	0%	10%	90%	0%	0%	83%	18%						
	PEAK HR FACTOR		0.851			0.000			0.919			0.896		0.952					
	APP/DEPART	143	/	59	0	/	0	158	/	223	240	/	259	0					
PM	4:00 PM	17	0	26	0	0	0	5	66	0	0	54	8	176	0	0	0	0	0
	4:15 PM	14	0	28	0	0	0	6	36	0	0	43	10	137	0	0	0	0	0
	4:30 PM	10	0	25	0	0	0	4	54	0	0	45	10	148	0	0	0	0	0
	4:45 PM	20	0	25	0	0	0	12	43	0	0	49	9	158	0	0	0	0	0
	5:00 PM	7	0	29	0	0	0	6	58	0	0	58	9	167	0	0	0	0	0
	5:15 PM	16	0	20	0	0	0	4	30	0	0	52	9	131	0	0	0	0	0
	5:30 PM	17	0	14	0	0	0	7	37	0	0	62	7	144	0	0	0	0	0
	5:45 PM	8	1	26	0	0	0	10	32	0	0	50	8	135	0	0	0	0	0
	VOLUMES	109	1	193	0	0	0	54	356	0	0	413	70	1,196	0	0	0	0	0
	APPROACH %	36%	0%	64%	0%	0%	0%	13%	87%	0%	0%	86%	14%						
	APP/DEPART	303	/	125	0	/	0	410	/	549	483	/	522	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	61	0	104	0	0	0	27	199	0	0	191	37	619	0	0	0	0	
	APPROACH %	37%	0%	63%	0%	0%	0%	12%	88%	0%	0%	84%	16%						
	PEAK HR FACTOR		0.917			0.000			0.796			0.919		0.879					
	APP/DEPART	165	/	64	0	/	0	226	/	303	228	/	252	0					

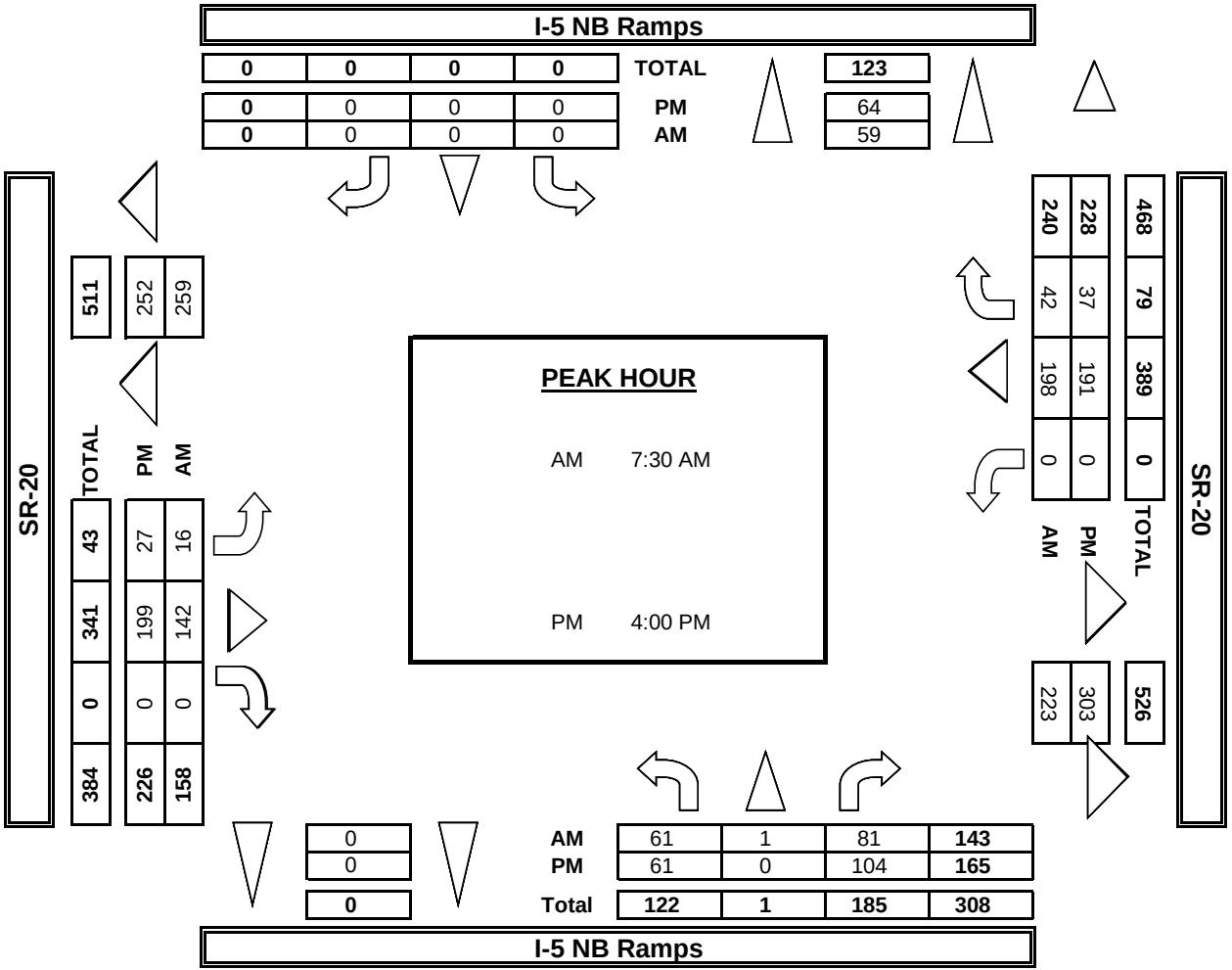


		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
1/14/25	LOCATION:	Colusa	PROJECT #:	SC5128	
TUESDAY	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	1	
	EAST & WEST:	SR-20	CONTROL:	STOP N	

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼	
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 1	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	28	0	42	0	0	0	6	29	0	0	53	17	173					0
	7:15 AM	31	0	21	0	0	0	12	37	0	0	58	15	173					0
	7:30 AM	20	3	23	0	0	0	5	43	0	0	84	18	196					0
	7:45 AM	22	0	42	0	0	0	9	43	0	0	67	21	204					0
	8:00 AM	21	0	26	0	0	0	10	46	0	0	62	35	198					0
	8:15 AM	31	0	30	0	0	0	5	47	0	0	51	19	183					0
	8:30 AM	16	3	25	0	0	0	11	44	0	0	60	17	176					0
	8:45 AM	25	0	25	0	0	0	9	48	0	0	60	29	195					0
	VOLUMES	193	6	232	0	0	0	66	335	0	0	495	170	1,496	0	0	0	0	0
	APPROACH %	45%	1%	54%	0%	0%	0%	16%	84%	0%	0%	74%	26%						
	APP/DEPART	431	/	241	0	/	0	401	/	567	664	/	688	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	94	3	121	0	0	0	29	178	0	0	264	92	780					
	APPROACH %	43%	1%	55%	0%	0%	0%	14%	86%	0%	0%	74%	26%						
	PEAK HR FACTOR		0.850			0.000			0.930			0.871		0.958					
	APP/DEPART	218	/	124	0	/	0	207	/	299	356	/	358	0					
PM	4:00 PM	20	0	35	0	0	0	6	83	0	0	71	15	228					0
	4:15 PM	18	0	43	0	0	0	6	51	0	0	53	20	190					0
	4:30 PM	12	0	34	0	0	0	8	71	0	0	53	16	193					0
	4:45 PM	28	0	38	0	0	0	16	59	0	0	54	17	212					0
	5:00 PM	11	0	43	0	0	0	8	77	0	0	68	20	226					0
	5:15 PM	20	0	34	0	0	0	6	49	0	0	65	18	192					0
	5:30 PM	23	0	20	0	0	0	7	53	0	0	76	16	194					0
	5:45 PM	13	3	39	0	0	0	18	49	0	0	65	14	200					0
	VOLUMES	143	3	285	0	0	0	74	490	0	0	504	136	1,633	0	0	0	0	0
	APPROACH %	33%	1%	66%	0%	0%	0%	13%	87%	0%	0%	79%	21%						
	APP/DEPART	431	/	212	0	/	0	563	/	775	639	/	647	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	77	0	149	0	0	0	35	263	0	0	231	68	822					
	APPROACH %	34%	0%	66%	0%	0%	0%	12%	88%	0%	0%	77%	23%						
	PEAK HR FACTOR		0.856			0.000			0.845			0.871		0.903					
	APP/DEPART	226	/	103	0	/	0	298	/	412	298	/	308	0					

I-5 NB Ramps

NORTH SIDE

SR-20 WEST SIDE EAST SIDE **SR-20**

SOUTH SIDE

I-5 NB Ramps

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

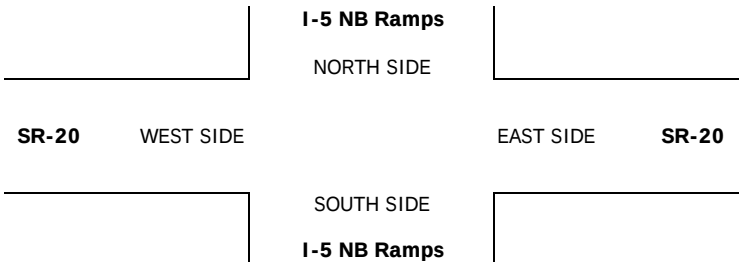
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	1
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB	SB	EB	WB	TTL
LANES:	0	1	0	X	X	X	1	1	X	X	1	0						
AM																		
7:00 AM	6	0	11	0	0	0	1	15	0	0	30	1	64	0	0	0	0	0
7:15 AM	13	0	13	0	0	0	9	17	0	0	28	3	83	0	0	0	0	0
7:30 AM	7	0	11	0	0	0	2	27	0	0	37	3	87	0	0	0	0	0
7:45 AM	13	0	13	0	0	0	3	32	0	0	35	1	97	0	0	0	0	0
8:00 AM	6	0	15	0	0	0	1	34	0	0	36	1	93	0	0	0	0	0
8:15 AM	7	0	15	0	0	0	3	22	0	0	39	4	90	0	0	0	0	0
8:30 AM	5	0	14	0	0	0	2	21	0	0	27	2	71	0	0	0	0	0
8:45 AM	5	0	5	0	0	0	4	18	0	0	15	3	50	0	0	0	0	0
VOLUMES	62	0	97	0	0	0	25	186	0	0	247	18	635	0	0	0	0	0
APPROACH %	39%	0%	61%	0%	0%	0%	12%	88%	0%	0%	93%	7%						
APP/DEPART	159	/	43	0	/	0	211	/	283	265	/	309	0					
BEGIN PEAK HR		7:30 AM																
VOLUMES	33	0	54	0	0	0	9	115	0	0	147	9	367	0	0	0	0	
APPROACH %	38%	0%	62%	0%	0%	0%	7%	93%	0%	0%	94%	6%						
PEAK HR FACTOR		0.837			0.000			0.886			0.907		0.946					
APP/DEPART	87	/	18	0	/	0	124	/	169	156	/	180	0					
PM																		
4:00 PM	15	0	21	0	0	0	4	47	0	0	38	4	129	0	0	0	0	0
4:15 PM	11	0	18	0	0	0	6	25	0	0	37	5	102	0	0	0	0	0
4:30 PM	9	0	20	0	0	0	2	40	0	0	39	7	117	0	0	0	0	0
4:45 PM	16	0	17	0	0	0	8	29	0	0	43	5	118	0	0	0	0	0
5:00 PM	3	0	22	0	0	0	4	45	0	0	51	2	127	0	0	0	0	0
5:15 PM	14	0	11	0	0	0	3	20	0	0	43	4	95	0	0	0	0	0
5:30 PM	13	0	11	0	0	0	7	27	0	0	54	2	114	0	0	0	0	0
5:45 PM	5	0	18	0	0	0	6	23	0	0	40	5	97	0	0	0	0	0
VOLUMES	86	0	138	0	0	0	40	256	0	0	345	34	899	0	0	0	0	0
APPROACH %	38%	0%	62%	0%	0%	0%	14%	86%	0%	0%	91%	9%						
APP/DEPART	224	/	74	0	/	0	296	/	394	379	/	431	0					
BEGIN PEAK HR		4:00 PM																
VOLUMES	51	0	76	0	0	0	20	141	0	0	157	21	466	0	0	0	0	
APPROACH %	40%	0%	60%	0%	0%	0%	12%	88%	0%	0%	88%	12%						
PEAK HR FACTOR		0.882			0.000			0.789			0.927		0.903					
APP/DEPART	127	/	41	0	/	0	161	/	217	178	/	208	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	1
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

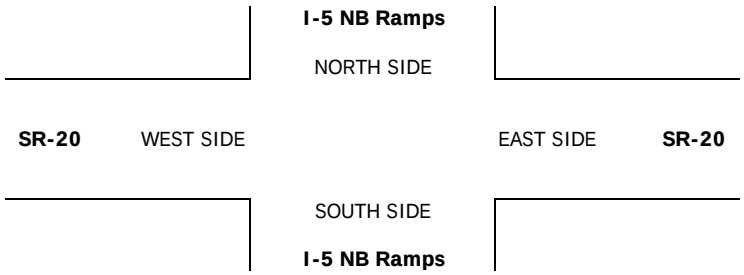
CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 1	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	3	0	5	0	0	0	3	1	0	0	4	0	16	0	0	0	0	0
	7:15 AM	2	0	1	0	0	0	0	1	0	0	4	2	10	0	0	0	0	0
	7:30 AM	2	0	2	0	0	0	0	1	0	0	8	2	15	0	0	0	0	0
	7:45 AM	4	0	2	0	0	0	0	2	0	0	6	3	17	0	0	0	0	0
	8:00 AM	4	0	3	0	0	0	0	1	0	0	3	3	14	0	0	0	0	0
	8:15 AM	4	0	2	0	0	0	1	4	0	0	4	2	17	0	0	0	0	0
	8:30 AM	1	0	0	0	0	0	2	2	0	0	6	0	11	0	0	0	0	0
	8:45 AM	6	0	3	0	0	0	1	0	0	0	4	1	15	0	0	0	0	0
	VOLUMES	26	0	18	0	0	0	7	12	0	0	39	13	115	0	0	0	0	0
	APPROACH %	59%	0%	41%	0%	0%	0%	37%	63%	0%	0%	75%	25%						
	APP/DEPART	44	/	20	0	/	0	19	/	30	52	/	65	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	14	0	9	0	0	0	1	8	0	0	21	10	63	0	0	0	0	
	APPROACH %	61%	0%	39%	0%	0%	0%	11%	89%	0%	0%	68%	32%						
	PEAK HR FACTOR		0.821			0.000			0.450			0.775		0.926					
	APP/DEPART	23	/	11	0	/	0	9	/	17	31	/	35	0					
PM	4:00 PM	1	0	1	0	0	0	1	13	0	0	6	1	23	0	0	0	0	0
	4:15 PM	1	0	2	0	0	0	0	5	0	0	0	0	8	0	0	0	0	0
	4:30 PM	0	0	1	0	0	0	0	7	0	0	3	0	11	0	0	0	0	0
	4:45 PM	0	0	2	0	0	0	3	8	0	0	4	0	17	0	0	0	0	0
	5:00 PM	2	0	0	0	0	0	1	4	0	0	3	2	12	0	0	0	0	0
	5:15 PM	0	0	2	0	0	0	0	1	0	0	2	0	5	0	0	0	0	0
	5:30 PM	1	0	0	0	0	0	0	2	0	0	1	0	4	0	0	0	0	0
	5:45 PM	1	0	2	0	0	0	0	1	0	0	2	0	6	0	0	0	0	0
	VOLUMES	6	0	10	0	0	0	5	41	0	0	21	3	86	0	0	0	0	0
	APPROACH %	38%	0%	63%	0%	0%	0%	11%	89%	0%	0%	88%	13%						
	APP/DEPART	16	/	8	0	/	0	46	/	51	24	/	27	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	2	0	6	0	0	0	4	33	0	0	13	1	59	0	0	0	0	
	APPROACH %	25%	0%	75%	0%	0%	0%	11%	89%	0%	0%	93%	7%						
	PEAK HR FACTOR		0.667			0.000			0.661			0.500		0.641					
	APP/DEPART	8	/	5	0	/	0	37	/	39	14	/	15	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	1
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

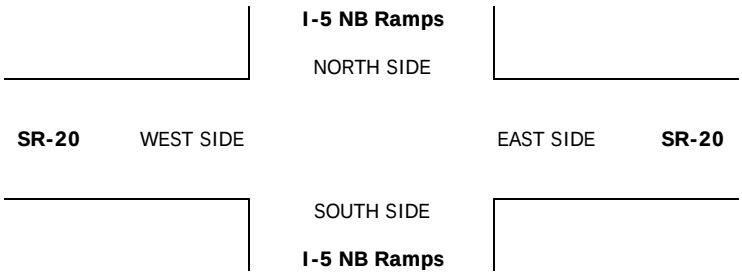
CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 1	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	1	0	1	0	0	0	0	0	0	0	1	2	5	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	2	0	0	0	0	0	0	1	0	0	4	0	7	0	0	0	0	0
	7:45 AM	0	0	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	2	0	0	0	1	3	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0
	8:30 AM	0	0	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0
	8:45 AM	1	0	0	0	0	0	0	0	0	0	3	0	4	0	0	0	0	0
	VOLUMES	4	0	3	0	0	0	0	7	0	0	8	3	25	0	0	0	0	0
	APPROACH %	57%	0%	43%	0%	0%	0%	0%	100%	0%	0%	73%	27%						
	APP/DEPART	7	/	3	0	/	0	7	/	10	11	/	12	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	2	0	1	0	0	0	0	6	0	0	4	1	14	0	0	0	0	
	APPROACH %	67%	0%	33%	0%	0%	0%	0%	100%	0%	0%	80%	20%						
	PEAK HR FACTOR		0.375			0.000			0.750			0.313		0.500					
	APP/DEPART	3	/	1	0	/	0	6	/	7	5	/	6	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0
	4:15 PM	1	0	2	0	0	0	0	0	0	0	2	0	5	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	5:00 PM	1	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0
	5:15 PM	0	0	1	0	0	0	0	0	0	0	2	1	4	0	0	0	0	0
	5:30 PM	1	0	0	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	VOLUMES	3	0	3	0	0	0	0	2	0	0	11	2	21	0	0	0	0	0
	APPROACH %	50%	0%	50%	0%	0%	0%	0%	100%	0%	0%	85%	15%						
	APP/DEPART	6	/	2	0	/	0	2	/	5	13	/	14	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	1	0	2	0	0	0	0	1	0	0	7	0	11	0	0	0	0	
	APPROACH %	33%	0%	67%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.250			0.000			0.250			0.438		0.550					
	APP/DEPART	3	/	0	0	/	0	1	/	3	7	/	8	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	1
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

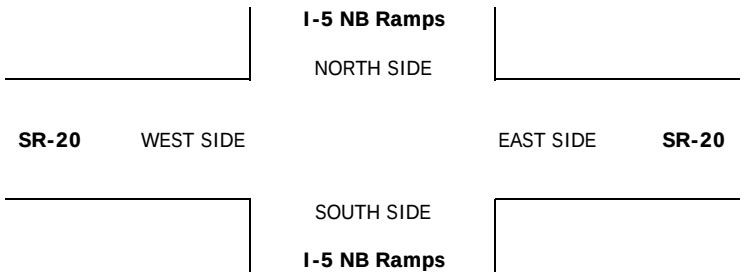
CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

	NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 1	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM 7:00 AM	5	0	7	0	0	0	0	4	0	0	5	4	25	0	0	0	0	0
7:15 AM	5	0	2	0	0	0	1	6	0	0	8	3	25	0	0	0	0	0
7:30 AM	2	1	3	0	0	0	1	4	0	0	9	4	24	0	0	0	0	0
7:45 AM	1	0	8	0	0	0	2	2	0	0	7	5	25	0	0	0	0	0
8:00 AM	3	0	2	0	0	0	3	2	0	0	7	9	26	0	0	0	0	0
8:15 AM	6	0	4	0	0	0	0	5	0	0	2	4	21	0	0	0	0	0
8:30 AM	3	1	3	0	0	0	2	6	0	0	8	5	28	0	0	0	0	0
8:45 AM	3	0	5	0	0	0	1	10	0	0	11	8	38	0	0	0	0	0
VOLUMES	28	2	34	0	0	0	10	39	0	0	57	42	212	0	0	0	0	0
APPROACH %	44%	3%	53%	0%	0%	0%	20%	80%	0%	0%	58%	42%						
APP/DEPART	64	/	54	0	/	0	49	/	73	99	/	85	0					
BEGIN PEAK HR		7:30 AM																
VOLUMES	12	1	17	0	0	0	6	13	0	0	25	22	96	0	0	0	0	
APPROACH %	40%	3%	57%	0%	0%	0%	32%	68%	0%	0%	53%	47%						
PEAK HR FACTOR		0.750			0.000			0.950			0.734		0.923					
APP/DEPART	30	/	29	0	/	0	19	/	30	47	/	37	0					
PM 4:00 PM	1	0	4	0	0	0	0	4	0	0	4	3	16	0	0	0	0	0
4:15 PM	1	0	6	0	0	0	0	6	0	0	4	5	22	0	0	0	0	0
4:30 PM	1	0	4	0	0	0	2	6	0	0	3	3	19	0	0	0	0	0
4:45 PM	4	0	6	0	0	0	1	6	0	0	1	4	22	0	0	0	0	0
5:00 PM	1	0	7	0	0	0	0	8	0	0	4	5	25	0	0	0	0	0
5:15 PM	2	0	6	0	0	0	1	9	0	0	5	4	27	0	0	0	0	0
5:30 PM	2	0	3	0	0	0	0	7	0	0	6	4	22	0	0	0	0	0
5:45 PM	2	1	6	0	0	0	4	8	0	0	6	3	30	0	0	0	0	0
VOLUMES	14	1	42	0	0	0	8	54	0	0	33	31	183	0	0	0	0	0
APPROACH %	25%	2%	74%	0%	0%	0%	13%	87%	0%	0%	52%	48%						
APP/DEPART	57	/	40	0	/	0	62	/	96	64	/	47	0					
BEGIN PEAK HR		4:00 PM																
VOLUMES	7	0	20	0	0	0	3	22	0	0	12	15	79	0	0	0	0	
APPROACH %	26%	0%	74%	0%	0%	0%	12%	88%	0%	0%	44%	56%						
PEAK HR FACTOR		0.675			0.000			0.781			0.750		0.898					
APP/DEPART	27	/	18	0	/	0	25	/	42	27	/	19	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	1
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

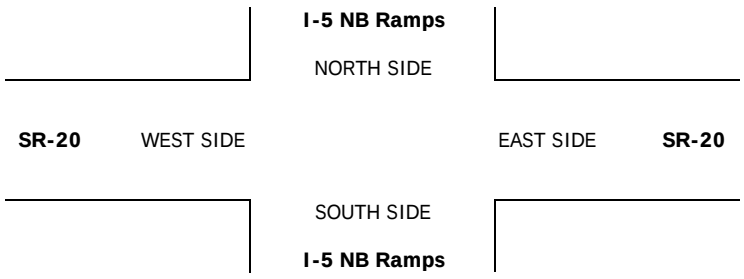
CLASS 5: RV

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 1	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	1	1	0	0	2	0	4	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	100%	0%						
	APP/DEPART	0	/	1	0	/	0	2	/	1	2	/	2	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
	APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

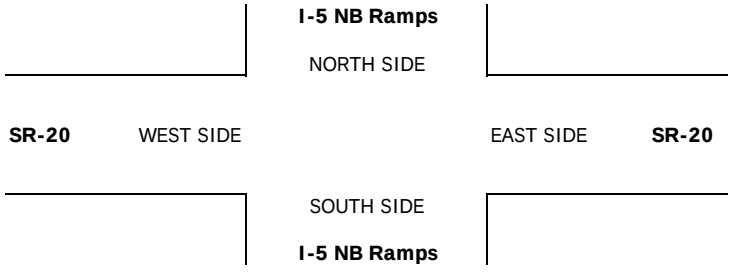
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	1
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 1	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					
BEGIN PEAK HR		7:30 AM																
VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					
PM 4:00 PM	0	0	0	0	0	0	0	2	0	0	1	0	3	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	2	0	0	1	0	3	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
APP/DEPART	0	/	0	0	/	0	2	/	2	1	/	1	0					
BEGIN PEAK HR		4:00 PM																
VOLUMES	0	0	0	0	0	0	0	2	0	0	1	0	3	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
PEAK HR FACTOR		0.000			0.000			0.250			0.250		0.250					
APP/DEPART	0	/	0	0	/	0	2	/	2	1	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

T020624

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, Jan 14, 25

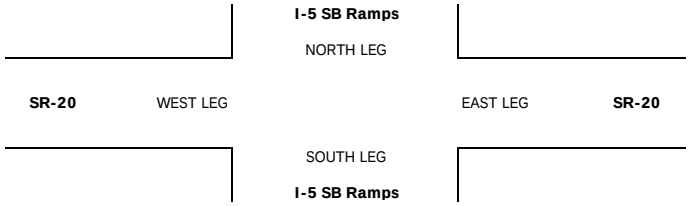
LOCATION: Colusa
NORTH & SOUTH: I-5 SB Ramps
EAST & WEST: SR-20

PROJECT #: SC5128
LOCATION #: 2
CONTROL: STOP S

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

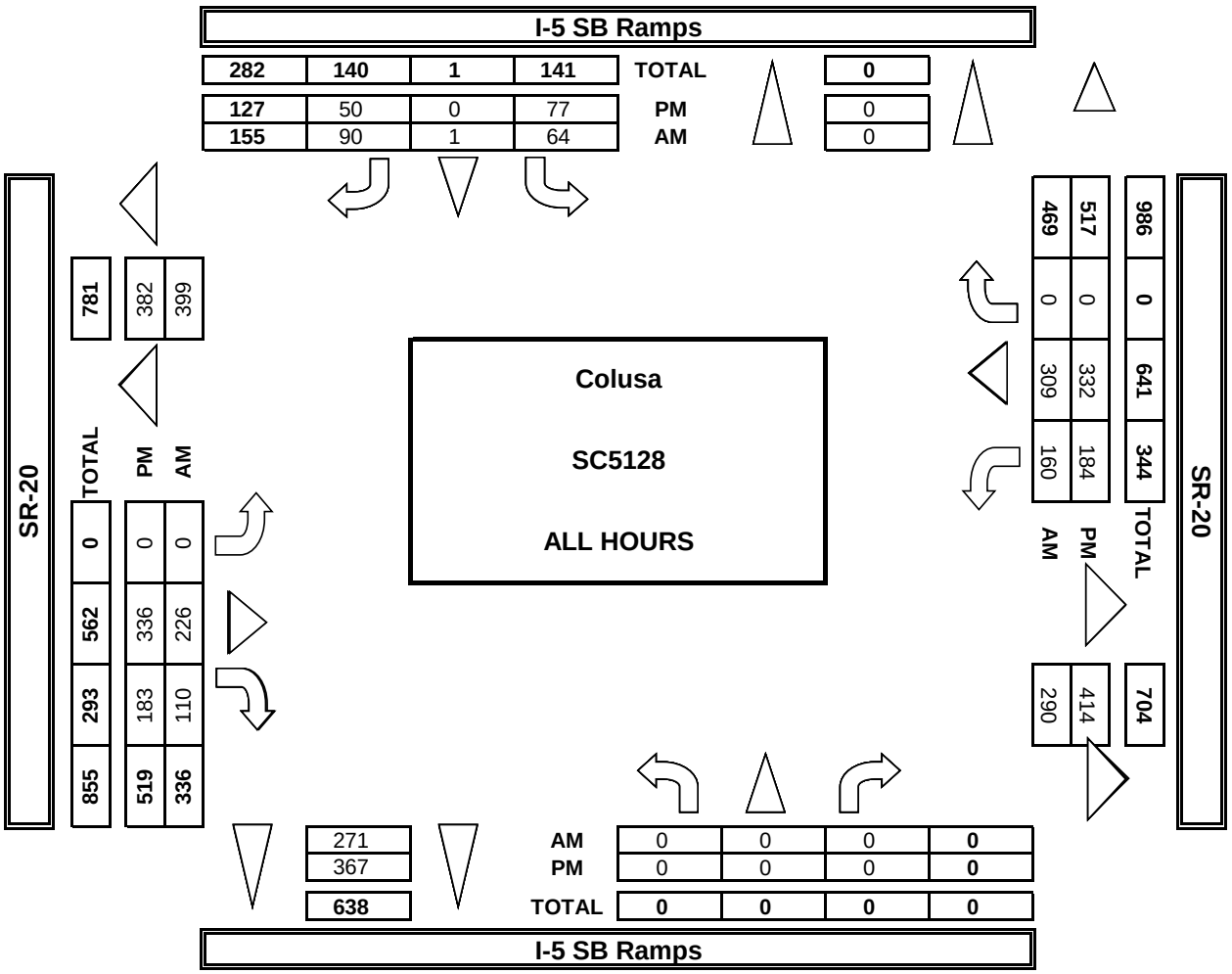
		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 1	WL 1	WT 1	WR X	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	3	0	6	0	21	11	22	33	0	96	0	0	0	0	0
	7:15 AM	0	0	0	11	0	14	0	24	13	19	41	0	122	0	0	0	0	0
	7:30 AM	0	0	0	8	0	11	0	29	10	24	46	0	128	0	0	0	0	0
	7:45 AM	0	0	0	9	1	22	0	33	18	16	51	0	150	0	0	0	0	0
	8:00 AM	0	0	0	7	0	7	0	36	12	15	43	0	120	0	0	0	0	0
	8:15 AM	0	0	0	10	0	13	0	28	13	21	40	0	125	0	0	0	0	0
	8:30 AM	0	0	0	6	0	4	0	31	13	22	28	0	104	0	0	0	0	0
	8:45 AM	0	0	0	10	0	13	0	24	20	21	27	0	115	0	0	0	0	0
	VOLUMES	0	0	0	64	1	90	0	226	110	160	309	0	960	0	0	0	0	0
	APPROACH %	0%	0%	0%	41%	1%	58%	0%	67%	33%	34%	66%	0%						
	APP/DEPART	0	/	0	155	/	271	336	/	290	469	/	399	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	34	1	53	0	126	53	76	180	0	523	0	0	0	0	
	APPROACH %	0%	0%	0%	39%	1%	60%	0%	70%	30%	30%	70%	0%						
	PEAK HR FACTOR		0.000			0.688			0.877			0.914		0.872					
	APP/DEPART	0	/	0	88	/	130	179	/	160	256	/	233	0					
PM	4:00 PM	0	0	0	5	0	8	0	67	26	27	45	0	178	0	0	0	0	0
	4:15 PM	0	0	0	10	0	3	0	32	23	22	35	0	125	0	0	0	0	0
	4:30 PM	0	0	0	13	0	8	0	45	18	18	36	0	138	0	0	0	0	0
	4:45 PM	0	0	0	6	0	6	0	50	31	18	50	0	161	0	0	0	0	0
	5:00 PM	0	0	0	13	0	5	0	51	27	22	41	0	159	0	0	0	1	1
	5:15 PM	0	0	0	14	0	5	0	20	20	23	44	0	126	0	0	0	0	0
	5:30 PM	0	0	0	7	0	3	0	38	21	28	50	0	147	0	0	0	0	0
	5:45 PM	0	0	0	9	0	12	0	33	17	26	31	0	128	0	0	0	0	0
	VOLUMES	0	0	0	77	0	50	0	336	183	184	332	0	1,163	0	0	0	1	1
	APPROACH %	0%	0%	0%	61%	0%	39%	0%	65%	35%	36%	64%	0%						
	APP/DEPART	0	/	0	127	/	367	519	/	414	517	/	382	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	34	0	25	0	194	98	85	166	0	602	0	0	0	0	
	APPROACH %	0%	0%	0%	58%	0%	42%	0%	66%	34%	34%	66%	0%						
	PEAK HR FACTOR		0.000			0.702			0.785			0.872		0.846					
	APP/DEPART	0	/	0	59	/	183	292	/	228	251	/	191	0					

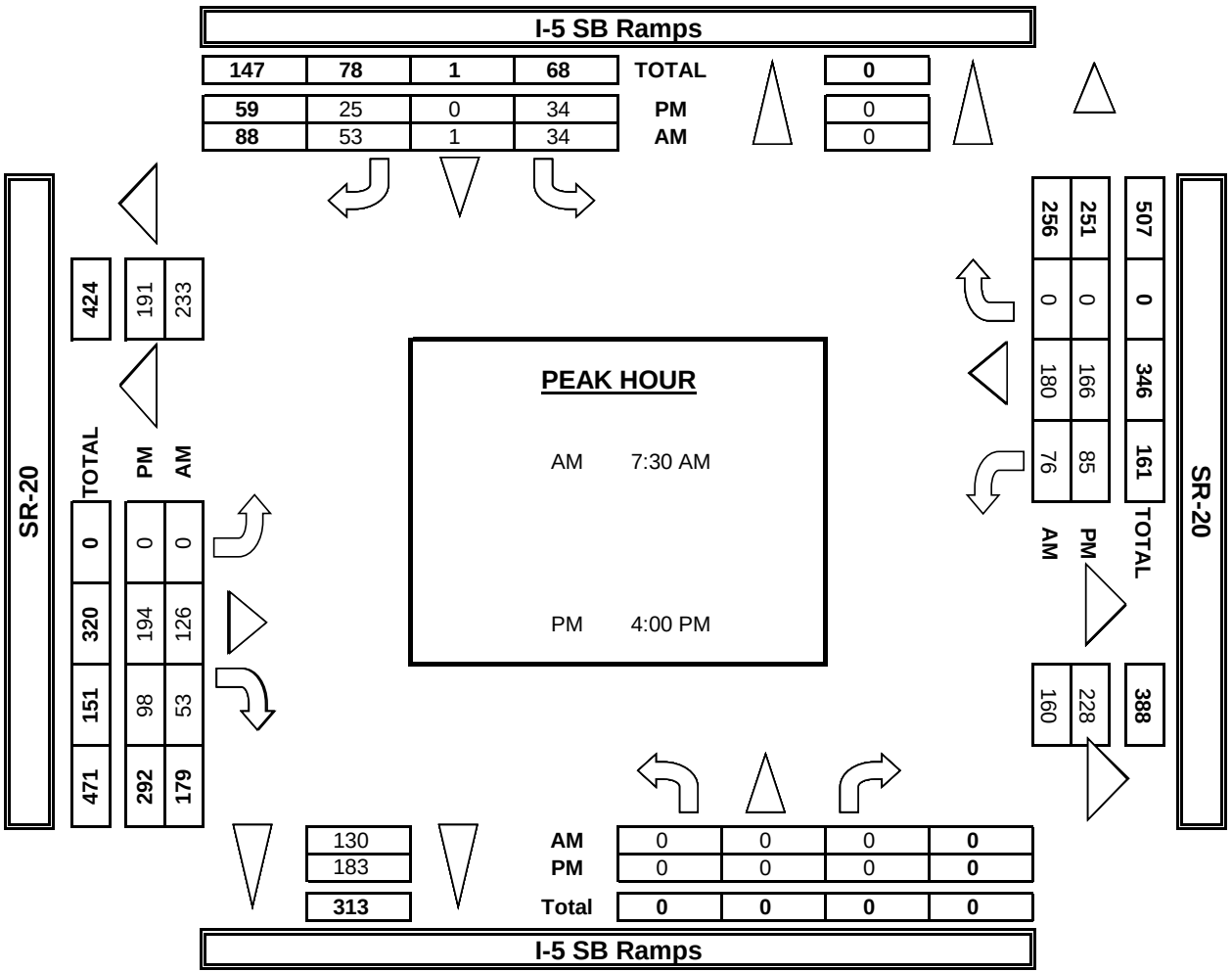


		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
1/14/25	LOCATION:	Colusa	PROJECT #:	SC5128	
TUESDAY	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	2	
	EAST & WEST:	SR-20	CONTROL:	STOP S	

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼	
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 1	WL 1	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	5	0	7	0	29	20	34	47	0	141					0
	7:15 AM	0	0	0	20	0	22	0	30	13	28	62	0	174					0
	7:30 AM	0	0	0	15	0	13	0	34	11	39	64	0	175					0
	7:45 AM	0	0	0	13	1	31	0	40	24	24	65	0	197					0
	8:00 AM	0	0	0	12	0	10	0	44	15	24	58	0	162					0
	8:15 AM	0	0	0	18	0	24	0	35	21	25	56	0	178					0
	8:30 AM	0	0	0	13	0	8	0	44	22	37	39	0	161					0
	8:45 AM	0	0	0	24	0	18	0	33	29	41	44	0	188					0
	VOLUMES	0	0	0	117	1	131	0	288	154	252	433	0	1,375	0	0	0	0	0
	APPROACH %	0%	0%	0%	47%	0%	53%	0%	65%	35%	37%	63%	0%						
	APP/DEPART	0	/	0	249	/	406	441	/	405	685	/	564	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	56	1	77	0	153	71	112	243	0	712					
	APPROACH %	0%	0%	0%	42%	1%	57%	0%	68%	32%	32%	68%	0%						
	PEAK HR FACTOR		0.000			0.761			0.878			0.860		0.905					
	APP/DEPART	0	/	0	134	/	184	223	/	209	355	/	320	0					
PM	4:00 PM	0	0	0	10	0	11	0	79	35	39	53	0	226					0
	4:15 PM	0	0	0	19	0	5	0	38	34	31	40	0	166					0
	4:30 PM	0	0	0	22	0	12	0	57	32	25	39	0	185					0
	4:45 PM	0	0	0	15	0	8	0	61	52	22	59	0	217					0
	5:00 PM	0	0	0	23	0	5	0	61	36	29	47	0	201					0
	5:15 PM	0	0	0	29	0	5	0	26	30	36	49	0	173					0
	5:30 PM	0	0	0	15	0	5	0	47	25	42	56	0	188					0
	5:45 PM	0	0	0	19	0	17	0	48	17	37	40	0	177					0
	VOLUMES	0	0	0	150	0	67	0	416	259	259	382	0	1,531	0	0	0	0	0
	APPROACH %	0%	0%	0%	69%	0%	31%	0%	62%	38%	40%	60%	0%						
	APP/DEPART	0	/	0	216	/	517	675	/	566	640	/	448	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	65	0	35	0	235	152	116	191	0	793					
	APPROACH %	0%	0%	0%	65%	0%	35%	0%	61%	39%	38%	62%	0%						
	PEAK HR FACTOR		0.000			0.754			0.851			0.837		0.879					
	APP/DEPART	0	/	0	100	/	268	387	/	300	307	/	226	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

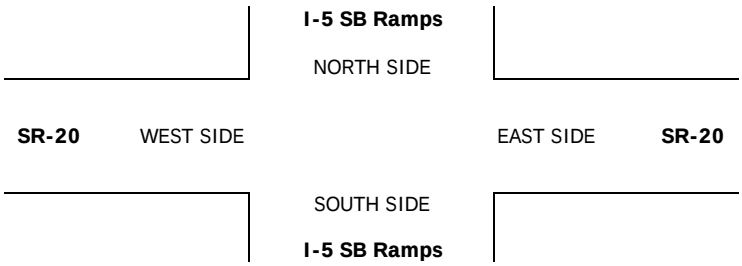
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	2
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP S

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 1	WL 1	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	2	0	4	0	14	6	14	22	0	62	0	0	0	0	0
	7:15 AM	0	0	0	6	0	7	0	21	13	14	27	0	88	0	0	0	0	0
	7:30 AM	0	0	0	4	0	10	0	26	9	13	30	0	92	0	0	0	0	0
	7:45 AM	0	0	0	6	1	17	0	29	15	9	39	0	116	0	0	0	0	0
	8:00 AM	0	0	0	4	0	5	0	31	9	9	32	0	90	0	0	0	0	0
	8:15 AM	0	0	0	4	0	5	0	22	9	16	29	0	85	0	0	0	0	0
	8:30 AM	0	0	0	2	0	1	0	22	7	13	19	0	64	0	0	0	0	0
	8:45 AM	0	0	0	3	0	8	0	19	15	8	12	0	65	0	0	0	0	0
	VOLUMES	0	0	0	31	1	57	0	184	83	96	210	0	662	0	0	0	0	0
	APPROACH %	0%	0%	0%	35%	1%	64%	0%	69%	31%	31%	69%	0%						
	APP/DEPART	0	/	0	89	/	180	267	/	215	306	/	267	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	18	1	37	0	108	42	47	130	0	383	0	0	0	0	
	APPROACH %	0%	0%	0%	32%	2%	66%	0%	72%	28%	27%	73%	0%						
	PEAK HR FACTOR		0.000			0.583			0.852			0.922		0.825					
	APP/DEPART	0	/	0	56	/	90	150	/	126	177	/	167	0					
PM	4:00 PM	0	0	0	2	0	6	0	50	18	17	37	0	130	0	0	0	0	0
	4:15 PM	0	0	0	5	0	2	0	26	17	17	31	0	98	0	0	0	0	0
	4:30 PM	0	0	0	8	0	4	0	34	9	14	33	0	102	0	0	0	0	0
	4:45 PM	0	0	0	1	0	5	0	37	17	16	42	0	118	0	0	0	0	0
	5:00 PM	0	0	0	6	0	5	0	44	21	17	36	0	129	0	0	0	0	0
	5:15 PM	0	0	0	6	0	5	0	17	13	15	41	0	97	0	0	0	0	0
	5:30 PM	0	0	0	2	0	2	0	33	17	20	46	0	120	0	0	0	0	0
	5:45 PM	0	0	0	4	0	9	0	25	17	19	25	0	99	0	0	0	0	0
	VOLUMES	0	0	0	34	0	38	0	266	129	135	291	0	893	0	0	0	0	0
	APPROACH %	0%	0%	0%	47%	0%	53%	0%	67%	33%	32%	68%	0%						
	APP/DEPART	0	/	0	72	/	264	395	/	300	426	/	329	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	16	0	17	0	147	61	64	143	0	448	0	0	0	0	
	APPROACH %	0%	0%	0%	48%	0%	52%	0%	71%	29%	31%	69%	0%						
	PEAK HR FACTOR		0.000			0.688			0.765			0.892		0.862					
	APP/DEPART	0	/	0	33	/	125	208	/	163	207	/	160	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	2
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP S

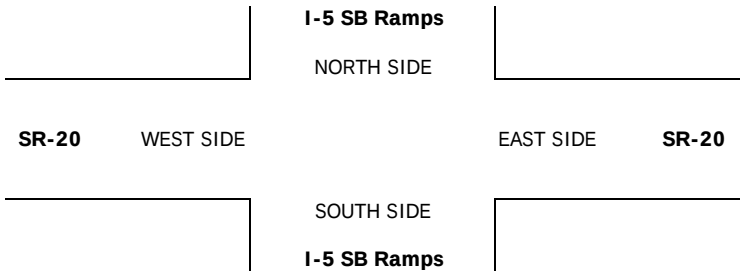
CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 1	WL 1	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	2	0	4	1	2	5	0	14	0	0	0	0	0
	7:15 AM	0	0	0	1	0	4	0	0	0	1	5	0	11	0	0	0	0	0
	7:30 AM	0	0	0	1	0	0	0	0	1	4	6	0	12	0	0	0	0	0
	7:45 AM	0	0	0	1	0	1	0	1	0	4	6	0	13	0	0	0	0	0
	8:00 AM	0	0	0	1	0	0	0	0	2	2	5	0	10	0	0	0	0	0
	8:15 AM	0	0	0	3	0	3	0	2	0	4	4	0	16	0	0	0	0	0
	8:30 AM	0	0	0	1	0	1	0	3	2	2	5	0	14	0	0	0	0	0
	8:45 AM	0	0	0	0	0	3	0	1	1	2	8	0	15	0	0	0	0	0
	VOLUMES	0	0	0	8	0	14	0	11	7	21	44	0	105	0	0	0	0	0
	APPROACH %	0%	0%	0%	36%	0%	64%	0%	61%	39%	32%	68%	0%						
	APP/DEPART	0	/	0	22	/	28	18	/	19	65	/	58	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	6	0	4	0	3	3	14	21	0	51	0	0	0	0	
	APPROACH %	0%	0%	0%	60%	0%	40%	0%	50%	50%	40%	60%	0%						
	PEAK HR FACTOR		0.000			0.417			0.750			0.875		0.797					
	APP/DEPART	0	/	0	10	/	17	6	/	9	35	/	25	0					
PM	4:00 PM	0	0	0	0	0	1	0	14	5	5	2	0	27	0	0	0	0	0
	4:15 PM	0	0	0	1	0	0	0	4	1	0	1	0	7	0	0	0	0	0
	4:30 PM	0	0	0	1	0	3	0	6	3	1	2	0	16	0	0	0	0	0
	4:45 PM	0	0	0	1	0	0	0	10	4	0	4	0	19	0	0	0	0	0
	5:00 PM	0	0	0	2	0	0	0	2	2	2	2	0	10	0	0	0	1	1
	5:15 PM	0	0	0	1	0	0	0	0	3	1	1	0	6	0	0	0	0	0
	5:30 PM	0	0	0	1	0	0	0	1	3	1	1	0	7	0	0	0	0	0
	5:45 PM	0	0	0	0	0	1	0	1	0	1	2	0	5	0	0	0	0	0
	VOLUMES	0	0	0	7	0	5	0	38	21	11	15	0	98	0	0	0	1	1
	APPROACH %	0%	0%	0%	58%	0%	42%	0%	64%	36%	41%	56%	0%						
	APP/DEPART	0	/	0	12	/	32	59	/	46	27	/	20	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	3	0	4	0	34	13	6	9	0	69	0	0	0	0	
	APPROACH %	0%	0%	0%	43%	0%	57%	0%	72%	28%	40%	60%	0%						
	PEAK HR FACTOR		0.000			0.438			0.618			0.536		0.639					
	APP/DEPART	0	/	0	7	/	19	47	/	37	15	/	13	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	2
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP S

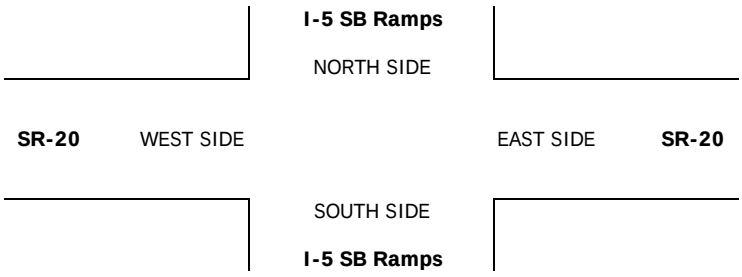
CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 1	WL 1	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	1	0	1	5	0	7	0	0	0	0	0
	7:45 AM	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0
	8:15 AM	0	0	0	0	0	1	0	2	0	0	0	0	3	0	0	0	0	0
	8:30 AM	0	0	0	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0
	8:45 AM	0	0	0	0	0	1	0	0	0	3	1	0	5	0	0	0	0	0
	VOLUMES	0	0	0	1	0	3	0	6	0	5	7	0	22	0	0	0	0	0
	APPROACH %	0%	0%	0%	25%	0%	75%	0%	100%	0%	42%	58%	0%						
	APP/DEPART	0	/	0	4	/	5	6	/	7	12	/	10	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	1	0	1	0	5	0	1	5	0	13	0	0	0	0	
	APPROACH %	0%	0%	0%	50%	0%	50%	0%	100%	0%	17%	83%	0%						
	PEAK HR FACTOR		0.000			0.500			0.625			0.250		0.464					
	APP/DEPART	0	/	0	2	/	1	5	/	6	6	/	6	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0
	5:00 PM	0	0	0	1	0	0	0	0	0	0	1	0	2	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	VOLUMES	0	0	0	1	0	0	0	1	1	5	9	0	17	0	0	0	0	0
	APPROACH %	0%	0%	0%	100%	0%	0%	0%	50%	50%	36%	64%	0%						
	APP/DEPART	0	/	0	1	/	6	2	/	2	14	/	9	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	0	0	0	0	1	1	1	7	0	10	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	50%	50%	13%	88%	0%						
	PEAK HR FACTOR		0.000			0.000			0.500			0.500		0.625					
	APP/DEPART	0	/	0	0	/	2	2	/	1	8	/	7	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

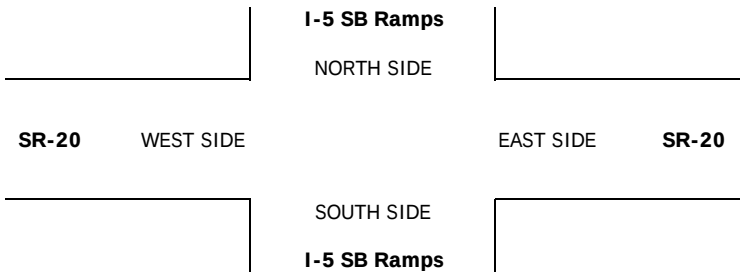
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	2
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP S

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 1	WL 1	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM																		
7:00 AM	0	0	0	1	0	0	0	3	4	5	5	0	18	0	0	0	0	0
7:15 AM	0	0	0	4	0	3	0	3	0	4	9	0	23	0	0	0	0	0
7:30 AM	0	0	0	3	0	1	0	2	0	6	5	0	17	0	0	0	0	0
7:45 AM	0	0	0	1	0	4	0	3	3	3	5	0	19	0	0	0	0	0
8:00 AM	0	0	0	2	0	1	0	3	1	4	6	0	17	0	0	0	0	0
8:15 AM	0	0	0	3	0	4	0	2	4	1	7	0	21	0	0	0	0	0
8:30 AM	0	0	0	3	0	1	0	5	4	7	4	0	24	0	0	0	0	0
8:45 AM	0	0	0	7	0	1	0	4	4	8	6	0	30	0	0	0	0	0
VOLUMES	0	0	0	24	0	15	0	25	20	38	47	0	169	0	0	0	0	0
APPROACH %	0%	0%	0%	62%	0%	38%	0%	56%	44%	45%	55%	0%						
APP/DEPART	0	/	0	39	/	58	45	/	49	85	/	62	0					
BEGIN PEAK HR		7:30 AM																
VOLUMES	0	0	0	9	0	10	0	10	8	14	23	0	74	0	0	0	0	
APPROACH %	0%	0%	0%	47%	0%	53%	0%	56%	44%	38%	62%	0%						
PEAK HR FACTOR		0.000			0.679			0.750			0.841		0.881					
APP/DEPART	0	/	0	19	/	22	18	/	19	37	/	33	0					
PM																		
4:00 PM	0	0	0	2	0	1	0	2	3	4	1	0	13	0	0	0	0	0
4:15 PM	0	0	0	4	0	1	0	2	5	4	1	0	17	0	0	0	0	0
4:30 PM	0	0	0	4	0	1	0	4	6	3	1	0	19	0	0	0	0	0
4:45 PM	0	0	0	4	0	1	0	3	9	2	3	0	22	0	0	0	0	0
5:00 PM	0	0	0	4	0	0	0	4	4	3	2	0	17	0	0	0	0	0
5:15 PM	0	0	0	7	0	0	0	3	4	5	2	0	21	0	0	0	0	0
5:30 PM	0	0	0	3	0	1	0	4	1	6	2	0	17	0	0	0	0	0
5:45 PM	0	0	0	5	0	2	0	7	0	4	4	0	22	0	0	0	0	0
VOLUMES	0	0	0	33	0	7	0	29	32	31	16	0	148	0	0	0	0	0
APPROACH %	0%	0%	0%	83%	0%	18%	0%	48%	52%	66%	34%	0%						
APP/DEPART	0	/	0	40	/	63	61	/	62	47	/	23	0					
BEGIN PEAK HR		4:00 PM																
VOLUMES	0	0	0	14	0	4	0	11	23	13	6	0	71	0	0	0	0	
APPROACH %	0%	0%	0%	78%	0%	22%	0%	32%	68%	68%	32%	0%						
PEAK HR FACTOR		0.000			0.900			0.708			0.950		0.807					
APP/DEPART	0	/	0	18	/	36	34	/	25	19	/	10	0					



INTERSECTION TURNING MOVEMENT COUNTS

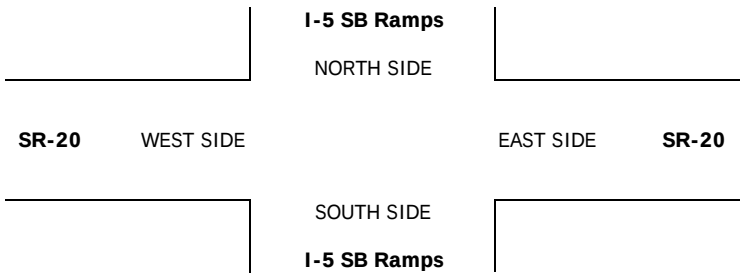
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	2
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP S

CLASS 5:	NOTES:
RV	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 1	WL 1	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	1	/	0	0	/	0	0	/	1	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.250			0.000			0.000		0.250					
	APP/DEPART	0	/	0	1	/	0	0	/	0	0	/	1	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	VOLUMES	0	0	0	1	0	0	0	1	0	2	0	0	4	0	0	0	0	0
	APPROACH %	0%	0%	0%	100%	0%	0%	0%	100%	0%	100%	0%	0%						
	APP/DEPART	0	/	0	1	/	2	1	/	2	2	/	0	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
	APP/DEPART	0	/	0	0	/	1	0	/	0	1	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

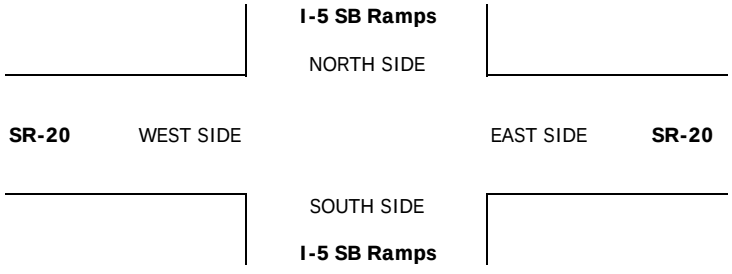
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	2
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP S

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 1	WL 1	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					
BEGIN PEAK HR		7:30 AM																
VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					
PM 4:00 PM	0	0	0	1	0	0	0	1	0	0	1	0	3	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	1	0	0	0	1	0	0	1	0	3	0	0	0	0	0
APPROACH %	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%						
APP/DEPART	0	/	0	1	/	0	1	/	2	1	/	1	0					
BEGIN PEAK HR		4:00 PM																
VOLUMES	0	0	0	1	0	0	0	1	0	0	1	0	3	0	0	0	0	
APPROACH %	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%						
PEAK HR FACTOR		0.000			0.250			0.250			0.250		0.250					
APP/DEPART	0	/	0	1	/	0	1	/	2	1	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

T020624

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, Jan 14, 25

LOCATION: Colusa
NORTH & SOUTH: E Camp Rd
EAST & WEST: SR-20

PROJECT #: SC5128
LOCATION #: 3
CONTROL: STOP N

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N
◄ W
E ►
S ▼

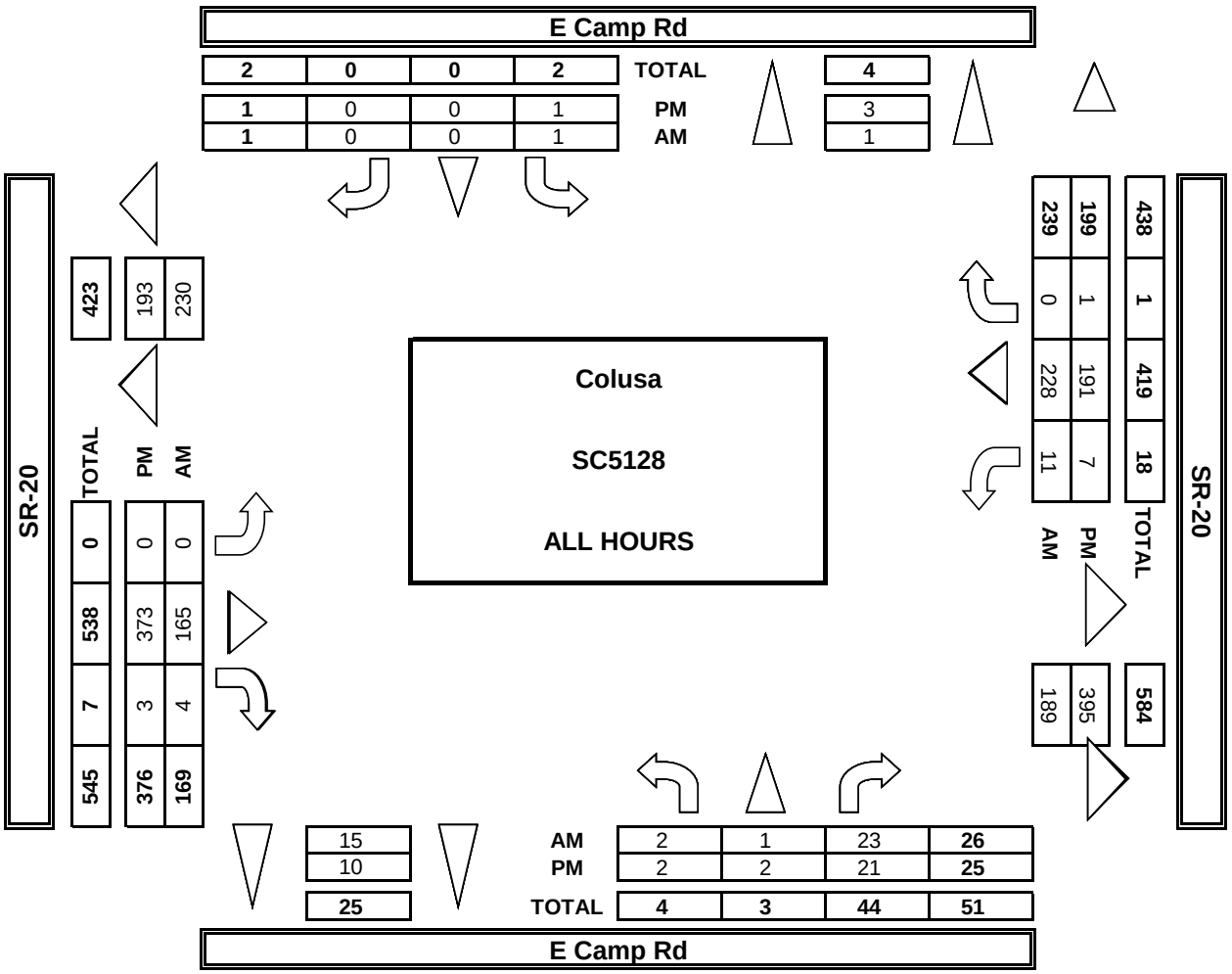
		NORTHBOUND E Camp Rd			SOUTHBOUND E Camp Rd			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	0	0	0	0	22	1	1	22	0	46	0	0	0	0	0
	7:15 AM	1	0	4	1	0	0	0	18	0	2	33	0	59	0	0	0	0	0
	7:30 AM	0	0	5	0	0	0	0	14	0	1	29	0	49	0	0	0	0	0
	7:45 AM	0	0	5	0	0	0	0	14	0	1	34	0	54	0	0	0	0	0
	8:00 AM	0	1	3	0	0	0	0	23	2	0	25	0	54	0	0	0	0	0
	8:15 AM	0	0	3	0	0	0	0	25	0	4	34	0	66	0	0	0	0	0
	8:30 AM	0	0	2	0	0	0	0	28	0	2	28	0	60	0	0	0	0	0
	8:45 AM	1	0	1	0	0	0	0	21	1	0	23	0	47	0	0	0	0	0
	VOLUMES	2	1	23	1	0	0	0	165	4	11	228	0	435	0	0	0	0	0
	APPROACH %	8%	4%	88%	100%	0%	0%	0%	98%	2%	5%	95%	0%						
	APP/DEPART	26	/	1	1	/	15	169	/	189	239	/	230	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	1	13	0	0	0	0	90	2	7	121	0	234	0	0	0	0	
	APPROACH %	0%	7%	93%	0%	0%	0%	0%	98%	2%	5%	95%	0%						
	PEAK HR FACTOR		0.700			0.000			0.821			0.842		0.886					
	APP/DEPART	14	/	1	0	/	9	92	/	103	128	/	121	0					
PM	4:00 PM	1	0	3	0	0	0	0	53	0	2	32	0	91	0	0	0	0	0
	4:15 PM	0	0	1	0	0	0	0	33	0	0	21	0	55	0	0	0	0	0
	4:30 PM	0	0	9	0	0	0	0	48	0	1	26	0	84	0	0	0	0	0
	4:45 PM	0	1	2	0	0	0	0	64	1	1	27	0	96	0	0	0	0	0
	5:00 PM	1	0	3	0	0	0	0	59	1	2	26	0	92	0	0	0	0	0
	5:15 PM	0	1	1	0	0	0	0	23	1	1	21	1	49	0	0	0	0	0
	5:30 PM	0	0	2	1	0	0	0	60	0	0	21	0	84	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	33	0	0	17	0	50	0	0	0	0	0
	VOLUMES	2	2	21	1	0	0	0	373	3	7	191	1	601	0	0	0	0	0
	APPROACH %	8%	8%	84%	100%	0%	0%	0%	99%	1%	4%	96%	1%						
	APP/DEPART	25	/	3	1	/	10	376	/	395	199	/	193	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	1	1	15	0	0	0	0	204	2	4	100	0	327	0	0	0	0	
	APPROACH %	6%	6%	88%	0%	0%	0%	0%	99%	1%	4%	96%	0%						
	PEAK HR FACTOR		0.472			0.000			0.792			0.929		0.852					
	APP/DEPART	17	/	1	0	/	6	206	/	219	104	/	101	0					

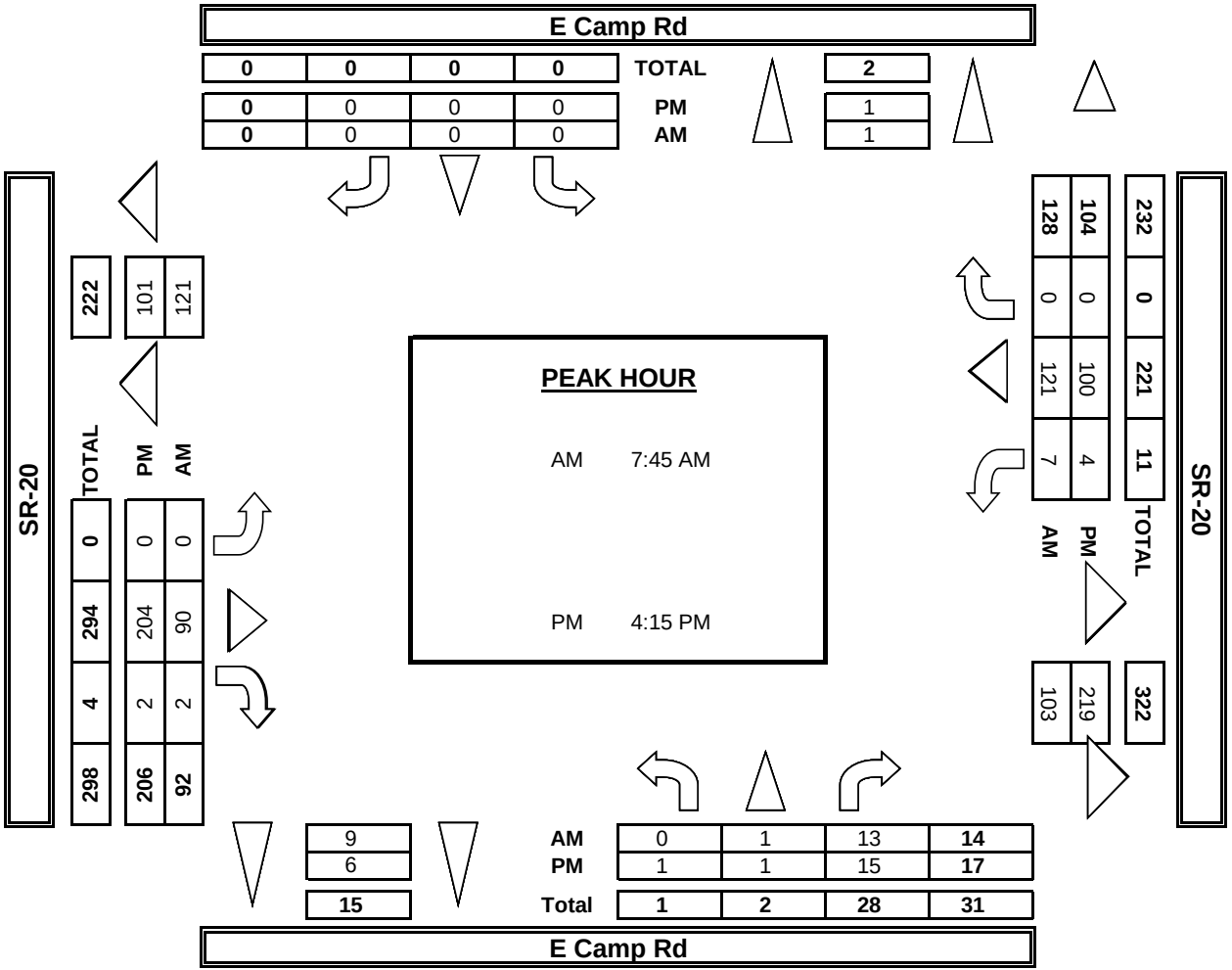


		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
1/14/25	LOCATION:	Colusa	PROJECT #:	SC5128	
TUESDAY	NORTH & SOUTH:	E Camp Rd	LOCATION #:	3	
	EAST & WEST:	SR-20	CONTROL:	STOP N	

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼	
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND E Camp Rd			SOUTHBOUND E Camp Rd			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	32	2	1	38	0	72					0
	7:15 AM	1	0	4	1	0	0	0	22	0	2	54	0	84					0
	7:30 AM	0	0	6	0	0	0	0	15	0	1	44	0	66					0
	7:45 AM	0	0	5	0	0	0	0	23	0	1	55	0	84					0
	8:00 AM	0	1	3	0	0	0	0	29	2	0	37	0	71					0
	8:15 AM	0	0	3	0	0	0	0	38	0	5	61	0	106					0
	8:30 AM	0	0	2	0	0	0	0	51	0	2	47	0	102					0
	8:45 AM	1	0	1	0	0	0	0	37	1	0	33	0	73					0
	VOLUMES	2	1	24	1	0	0	0	245	5	12	368	0	657	0	0	0	0	0
	APPROACH %	7%	4%	89%	100%	0%	0%	0%	98%	2%	3%	97%	0%						
	APP/DEPART	27	/	1	1	/	17	250	/	270	379	/	370	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	1	13	0	0	0	0	140	2	8	199	0	363					
	APPROACH %	0%	7%	93%	0%	0%	0%	0%	99%	1%	4%	96%	0%						
	PEAK HR FACTOR		0.700			0.000			0.696			0.788		0.855					
	APP/DEPART	14	/	1	0	/	10	142	/	153	207	/	199	0					
PM	4:00 PM	1	0	7	0	0	0	0	70	0	4	38	0	120					0
	4:15 PM	0	0	1	0	0	0	0	48	0	0	27	0	76					0
	4:30 PM	0	0	9	0	0	0	0	75	0	1	33	0	118					0
	4:45 PM	0	1	5	0	0	0	0	91	1	1	36	0	134					0
	5:00 PM	1	0	3	0	0	0	0	77	1	2	35	0	119					0
	5:15 PM	0	2	1	0	0	0	0	34	3	1	25	1	67					0
	5:30 PM	0	0	2	1	0	0	0	86	0	0	26	0	115					0
	5:45 PM	0	0	0	0	0	0	0	43	0	0	25	0	68					0
	VOLUMES	2	3	28	1	0	0	0	522	5	9	244	1	814	0	0	0	0	0
	APPROACH %	6%	9%	85%	100%	0%	0%	0%	99%	1%	3%	96%	0%						
	APP/DEPART	33	/	4	1	/	14	527	/	550	254	/	246	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	1	1	18	0	0	0	0	290	2	4	130	0	446					
	APPROACH %	5%	5%	90%	0%	0%	0%	0%	99%	1%	3%	97%	0%						
	PEAK HR FACTOR		0.542			0.000			0.798			0.905		0.834					
	APP/DEPART	20	/	1	0	/	6	292	/	308	134	/	131	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

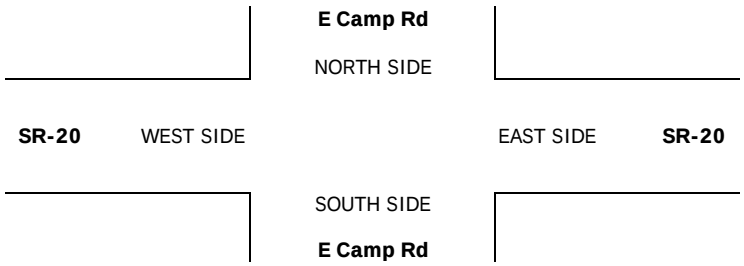
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	E Camp Rd	LOCATION #:	3
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND E Camp Rd			SOUTHBOUND E Camp Rd			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	16	0	1	11	0	28	0	0	0	0	0
	7:15 AM	1	0	4	1	0	0	0	16	0	2	16	0	40	0	0	0	0	0
	7:30 AM	0	0	3	0	0	0	0	13	0	1	18	0	35	0	0	0	0	0
	7:45 AM	0	0	5	0	0	0	0	8	0	1	18	0	32	0	0	0	0	0
	8:00 AM	0	1	3	0	0	0	0	19	2	0	15	0	40	0	0	0	0	0
	8:15 AM	0	0	3	0	0	0	0	18	0	3	16	0	40	0	0	0	0	0
	8:30 AM	0	0	2	0	0	0	0	15	0	2	15	0	34	0	0	0	0	0
	8:45 AM	1	0	1	0	0	0	0	10	1	0	14	0	27	0	0	0	0	0
	VOLUMES	2	1	21	1	0	0	0	115	3	10	123	0	276	0	0	0	0	0
	APPROACH %	8%	4%	88%	100%	0%	0%	0%	97%	3%	8%	92%	0%						
	APP/DEPART	24	/	1	1	/	13	118	/	137	133	/	125	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	1	13	0	0	0	0	60	2	6	64	0	146	0	0	0	0	
	APPROACH %	0%	7%	93%	0%	0%	0%	0%	97%	3%	9%	91%	0%						
	PEAK HR FACTOR		0.700			0.000			0.738			0.921		0.913					
	APP/DEPART	14	/	1	0	/	8	62	/	73	70	/	64	0					
PM	4:00 PM	1	0	1	0	0	0	0	37	0	0	29	0	68	0	0	0	0	0
	4:15 PM	0	0	1	0	0	0	0	22	0	0	16	0	39	0	0	0	0	0
	4:30 PM	0	0	9	0	0	0	0	28	0	1	20	0	58	0	0	0	0	0
	4:45 PM	0	1	0	0	0	0	0	43	1	1	22	0	68	0	0	0	0	0
	5:00 PM	1	0	3	0	0	0	0	45	1	2	18	0	70	0	0	0	0	0
	5:15 PM	0	0	1	0	0	0	0	17	0	1	19	1	39	0	0	0	0	0
	5:30 PM	0	0	2	1	0	0	0	42	0	0	18	0	63	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	26	0	0	13	0	39	0	0	0	0	0
	VOLUMES	2	1	17	1	0	0	0	260	2	5	155	1	444	0	0	0	0	0
	APPROACH %	10%	5%	85%	100%	0%	0%	0%	99%	1%	3%	96%	1%						
	APP/DEPART	20	/	2	1	/	7	262	/	278	161	/	157	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	1	1	13	0	0	0	0	138	2	4	76	0	235	0	0	0	0	
	APPROACH %	7%	7%	87%	0%	0%	0%	0%	99%	1%	5%	95%	0%						
	PEAK HR FACTOR		0.417			0.000			0.761			0.870		0.839					
	APP/DEPART	15	/	1	0	/	6	140	/	151	80	/	77	0					



INTERSECTION TURNING MOVEMENT COUNTS

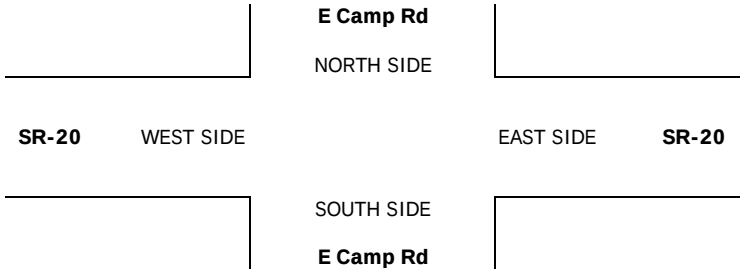
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	E Camp Rd	LOCATION #:	3
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND E Camp Rd			SOUTHBOUND E Camp Rd			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	1	0	0	3	0	4	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	8	0	8	0	0	0	0	0
	7:30 AM	0	0	2	0	0	0	0	1	0	0	4	0	7	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	2	0	0	7	0	9	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	1	0	0	5	0	6	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	1	0	1	6	0	8	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	2	0	0	4	0	6	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	4	0	0	4	0	8	0	0	0	0	0
	VOLUMES	0	0	2	0	0	0	0	12	0	1	41	0	56	0	0	0	0	0
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	2%	98%	0%						
	APP/DEPART	2	/	0	0	/	1	12	/	14	42	/	41	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	0	0	0	0	0	0	6	0	1	22	0	29	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	4%	96%	0%						
	PEAK HR FACTOR		0.000			0.000			0.750			0.821		0.806					
	APP/DEPART	0	/	0	0	/	1	6	/	6	23	/	22	0					
PM	4:00 PM	0	0	0	0	0	0	0	10	0	1	0	0	11	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	5	0	0	2	0	7	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	6	0	0	3	0	9	0	0	0	0	0
	4:45 PM	0	0	1	0	0	0	0	9	0	0	1	0	11	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	6	0	0	4	0	10	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	7	0	0	0	0	7	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0
	VOLUMES	0	0	1	0	0	0	0	47	0	1	10	0	59	0	0	0	0	0
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	9%	91%	0%						
	APP/DEPART	1	/	0	0	/	1	47	/	48	11	/	10	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	0	1	0	0	0	0	26	0	0	10	0	37	0	0	0	0	
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.250			0.000			0.722			0.625		0.841					
	APP/DEPART	1	/	0	0	/	0	26	/	27	10	/	10	0					



INTERSECTION TURNING MOVEMENT COUNTS

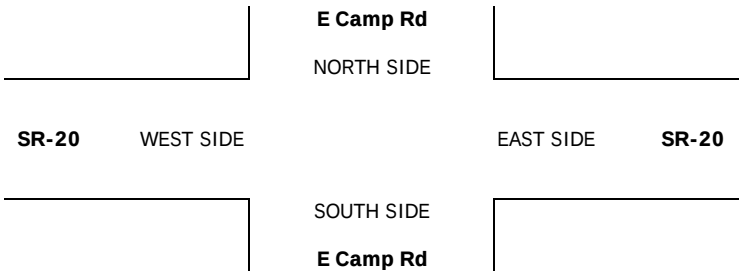
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	E Camp Rd	LOCATION #:	3
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

CLASS 3:	NOTES:
3-AXLE TRUCKS	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND E Camp Rd			SOUTHBOUND E Camp Rd			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	2	0	0	7	0	9	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	0	/	0	0	/	0	2	/	2	7	/	7	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	0	0	0	0	0	0	1	0	0	2	0	3	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.250			0.500		0.750					
	APP/DEPART	0	/	0	0	/	0	1	/	1	2	/	2	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	4	0	0	1	0	5	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0
	5:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	1	0	0	0	0	0	6	0	1	4	0	12	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	0%	0%	0%	100%	0%	20%	80%	0%						
	APP/DEPART	1	/	1	0	/	1	6	/	6	5	/	4	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	0	0	0	0	0	0	6	0	0	3	0	9	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.375			0.750		0.450					
	APP/DEPART	0	/	0	0	/	0	6	/	6	3	/	3	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	E Camp Rd	LOCATION #:	3
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

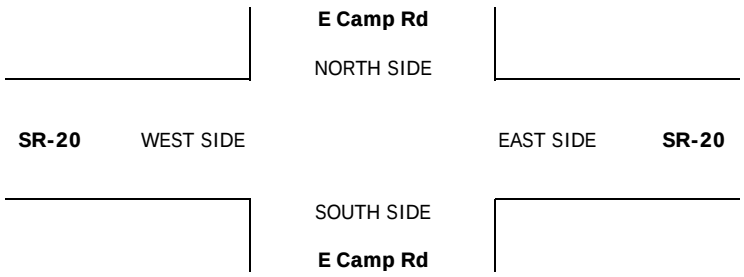
CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

	NORTHBOUND E Camp Rd			SOUTHBOUND E Camp Rd			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM																		
7:00 AM	0	0	0	0	0	0	0	4	0	0	6	0	10	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	2	0	0	8	0	10	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	6	0	6	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	4	0	0	8	0	12	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	2	0	0	4	0	6	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	6	0	0	12	0	18	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	11	0	0	8	0	19	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	7	0	0	3	0	10	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	36	0	0	55	0	91	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
APP/DEPART	0	/	0	0	/	0	36	/	36	55	/	55	0					
BEGIN PEAK HR		7:45 AM																
VOLUMES	0	0	0	0	0	0	0	23	0	0	32	0	55	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
PEAK HR FACTOR		0.000			0.000			0.523			0.667		0.724					
APP/DEPART	0	/	0	0	/	0	23	/	23	32	/	32	0					
PM																		
4:00 PM	0	0	2	0	0	0	0	6	0	0	3	0	11	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	6	0	0	2	0	8	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	10	0	0	2	0	12	0	0	0	0	0
4:45 PM	0	0	1	0	0	0	0	10	0	0	4	0	15	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	7	0	0	3	0	10	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	5	1	0	2	0	8	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	11	0	0	2	0	13	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	4	0	0	4	0	8	0	0	0	0	0
VOLUMES	0	0	3	0	0	0	0	59	1	0	22	0	85	0	0	0	0	0
APPROACH %	0%	0%	100%	0%	0%	0%	0%	98%	2%	0%	100%	0%						
APP/DEPART	3	/	0	0	/	1	60	/	62	22	/	22	0					
BEGIN PEAK HR		4:15 PM																
VOLUMES	0	0	1	0	0	0	0	33	0	0	11	0	45	0	0	0	0	
APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
PEAK HR FACTOR		0.250			0.000			0.825			0.688		0.750					
APP/DEPART	1	/	0	0	/	0	33	/	34	11	/	11	0					



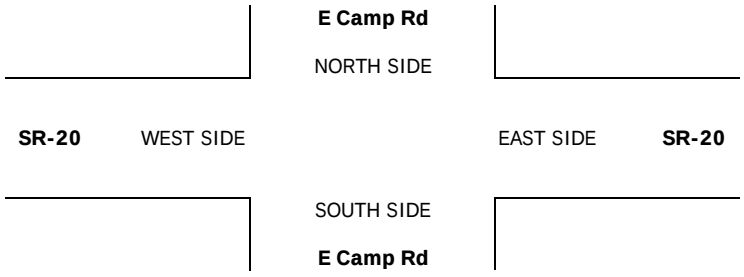
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
1/14/25	LOCATION:	Colusa	PROJECT #:	SC5128	
TUESDAY	NORTH & SOUTH:	E Camp Rd	LOCATION #:	3	
	EAST & WEST:	SR-20	CONTROL:	STOP N	

CLASS 5:	NOTES:	AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼
RV			

		NORTHBOUND E Camp Rd			SOUTHBOUND E Camp Rd			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
	APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	1	/	1	0	/	0	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.250			0.000		0.250					
	APP/DEPART	0	/	0	0	/	0	1	/	1	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

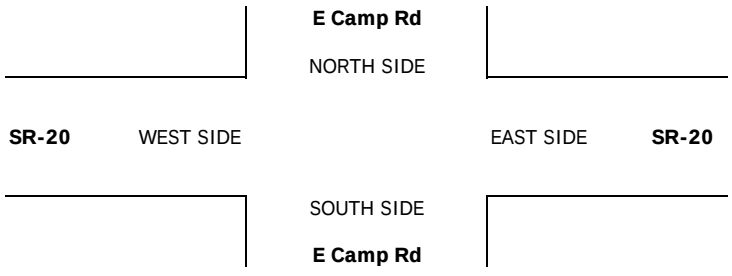
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	E Camp Rd	LOCATION #:	3
TUESDAY	EAST & WEST:	SR-20	CONTROL:	STOP N

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND E Camp Rd			SOUTHBOUND E Camp Rd			EASTBOUND SR-20			WESTBOUND SR-20				U-TURNS				
LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM																		
7:00 AM	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	0%						
APP/DEPART	0	/	0	0	/	1	1	/	0	1	/	1	0					
BEGIN PEAK HR		7:45 AM																
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM																		
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
BEGIN PEAK HR		4:15 PM																
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

T020624

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, Jan 14, 25

LOCATION: Colusa
NORTH & SOUTH: Frontage Rd
EAST & WEST: Meyers Rd

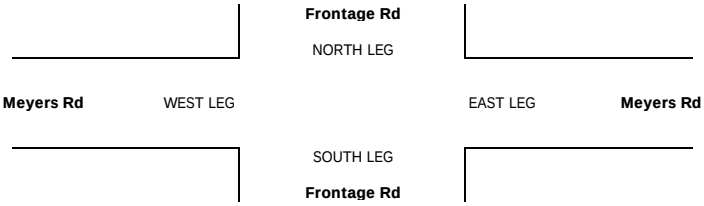
PROJECT #: SC5128
LOCATION #: 4
CONTROL: STOP E/W

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N
◄ W
E ►
S ▼

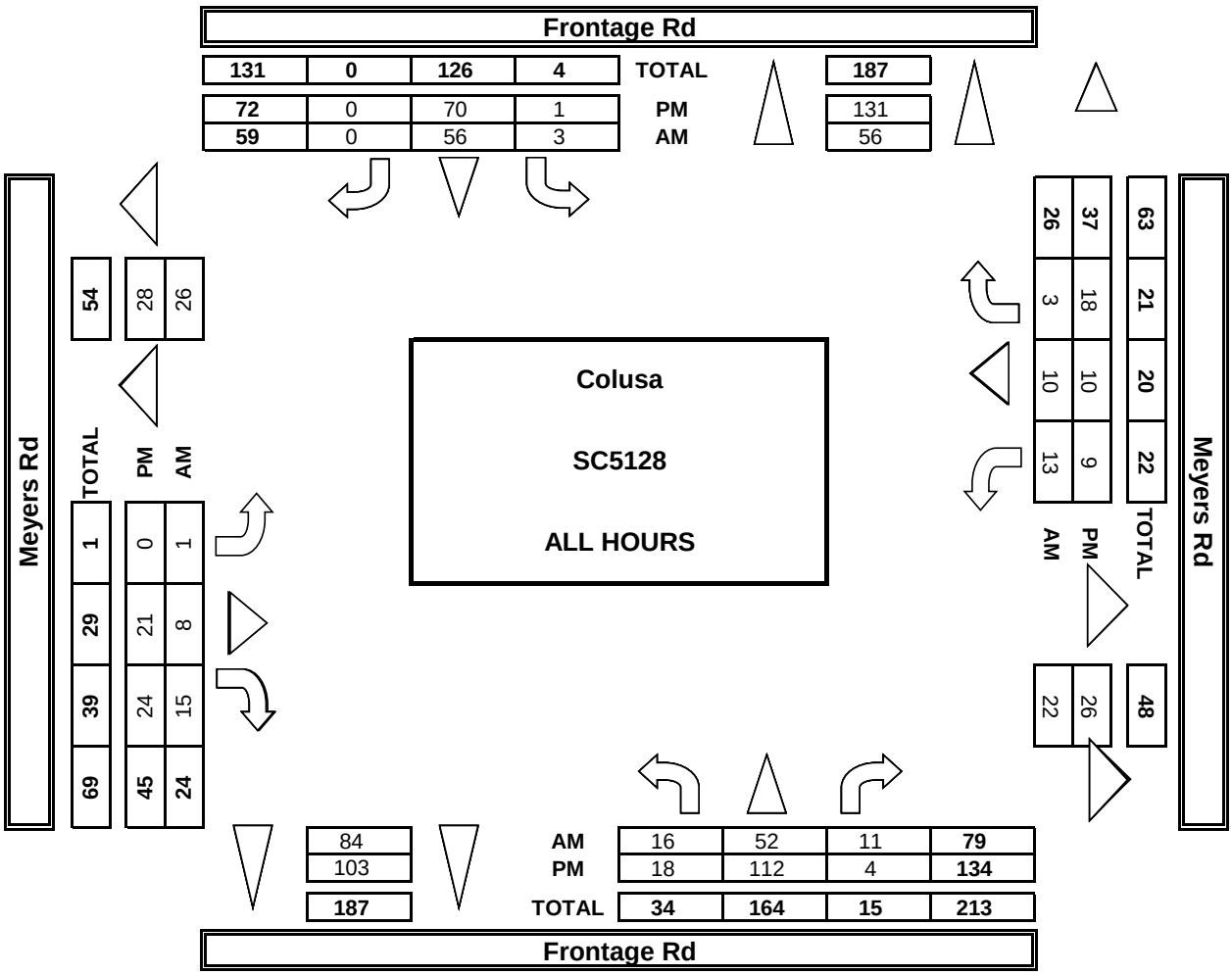
		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Meyers Rd			WESTBOUND Meyers Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	4	3	3	0	8	0	0	1	2	0	1	0	22	0	0	0	0	0
	7:15 AM	2	4	1	1	5	0	0	2	2	0	0	0	17	0	0	0	0	0
	7:30 AM	2	3	0	0	6	0	1	2	1	1	1	0	17	0	0	0	0	0
	7:45 AM	2	6	1	1	7	0	0	0	5	2	5	0	29	0	0	0	0	0
	8:00 AM	2	7	1	0	7	0	0	0	1	5	2	1	26	0	0	0	0	0
	8:15 AM	1	12	1	0	11	0	0	1	0	0	0	1	27	0	0	0	0	0
	8:30 AM	3	13	4	1	7	0	0	1	2	3	1	0	35	0	0	0	0	0
	8:45 AM	0	4	0	0	5	0	0	1	2	2	0	1	15	0	0	0	0	0
	VOLUMES	16	52	11	3	56	0	1	8	15	13	10	3	188	0	0	0	0	0
	APPROACH %	20%	66%	14%	5%	95%	0%	4%	33%	63%	50%	38%	12%						
	APP/DEPART	79	/	56	59	/	84	24	/	22	26	/	26	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	8	38	7	2	32	0	0	2	8	10	8	2	117	0	0	0	0	
	APPROACH %	15%	72%	13%	6%	94%	0%	0%	20%	80%	50%	40%	10%						
	PEAK HR FACTOR		0.663			0.773			0.500			0.625		0.836					
	APP/DEPART	53	/	40	34	/	50	10	/	11	20	/	16	0					
PM	4:00 PM	1	15	0	0	17	0	0	1	2	1	4	9	50	0	0	0	0	0
	4:15 PM	5	13	2	0	9	0	0	2	0	2	1	1	35	0	0	0	0	0
	4:30 PM	2	20	0	0	8	0	0	3	7	2	3	1	46	0	0	0	0	0
	4:45 PM	4	10	0	0	8	0	0	6	4	3	0	0	35	0	0	0	0	0
	5:00 PM	2	16	0	0	8	0	0	5	4	0	0	0	35	0	0	0	0	0
	5:15 PM	4	15	1	1	9	0	0	1	5	0	0	4	40	0	0	0	0	0
	5:30 PM	0	18	0	0	6	0	0	2	2	1	2	2	33	0	0	0	0	0
	5:45 PM	0	5	1	0	5	0	0	1	0	0	0	1	13	0	1	0	0	1
	VOLUMES	18	112	4	1	70	0	0	21	24	9	10	18	288	0	1	0	0	1
	APPROACH %	13%	84%	3%	1%	97%	0%	0%	47%	53%	24%	27%	49%						
	APP/DEPART	134	/	131	72	/	103	45	/	26	37	/	28	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	12	58	2	0	42	0	0	12	13	8	8	11	166	0	0	0	0	
	APPROACH %	17%	81%	3%	0%	100%	0%	0%	48%	52%	30%	30%	41%						
	PEAK HR FACTOR		0.818			0.618			0.625			0.482		0.830					
	APP/DEPART	72	/	69	42	/	63	25	/	14	27	/	20	0					

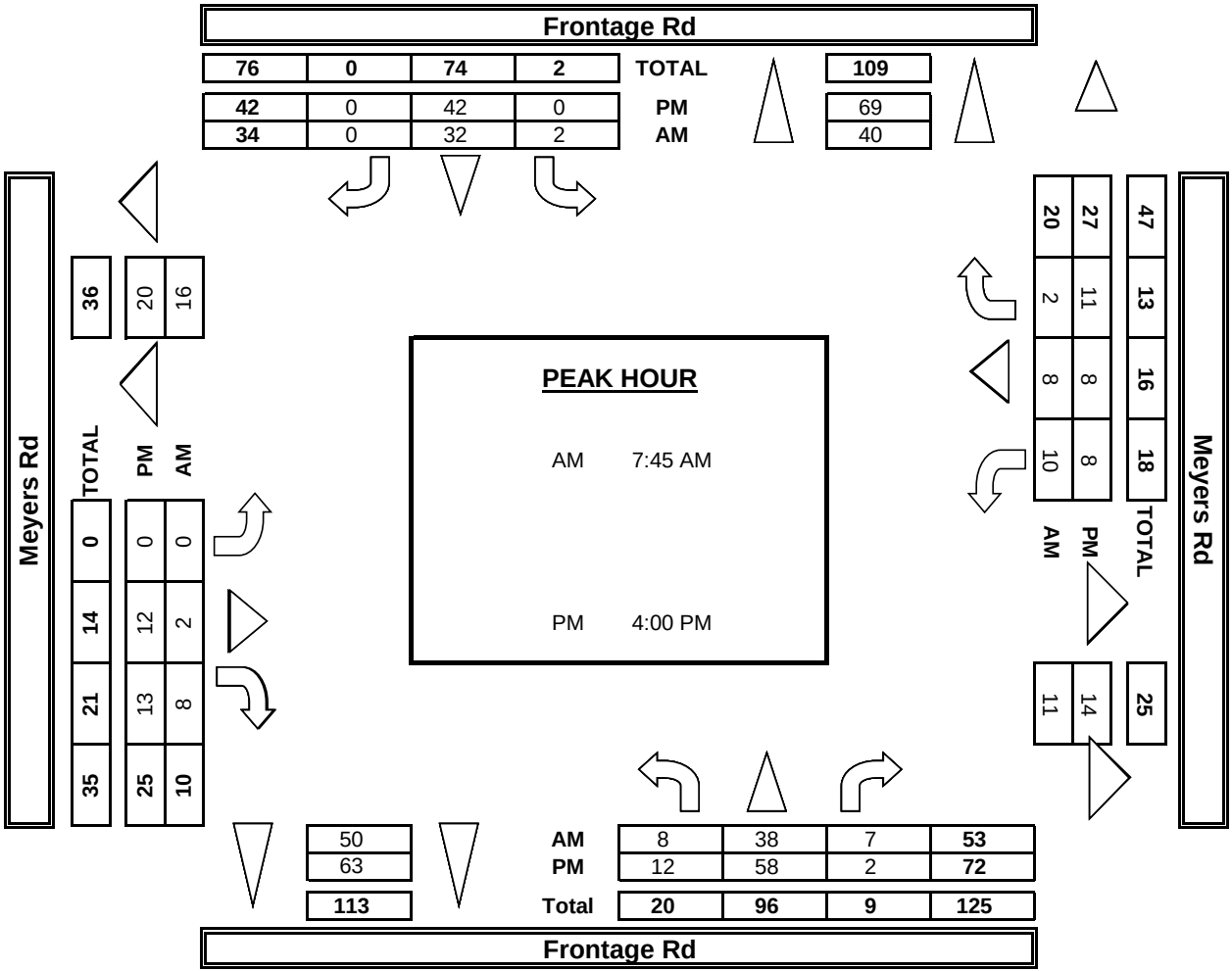


		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AimTD LLC

TURNING MOVEMENT COUNTS





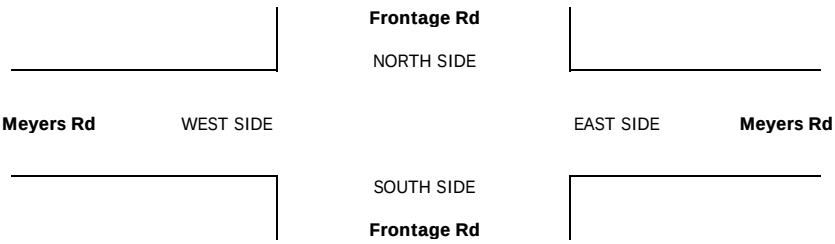
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
1/14/25	LOCATION:	Colusa	PROJECT #:	SC5128	
TUESDAY	NORTH & SOUTH:	Frontage Rd	LOCATION #:	4	
	EAST & WEST:	Meyers Rd	CONTROL:	STOP E/W	

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM PM MD OTHER OTHER	▲ N ◄ W E ► S ▼	
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Meyers Rd			WESTBOUND Meyers Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	5	3	5	0	9	0	0	1	2	0	1	0	25					0
	7:15 AM	4	6	1	2	7	0	0	2	2	0	0	0	24					0
	7:30 AM	3	3	0	0	9	0	1	2	1	1	1	0	21					0
	7:45 AM	2	12	3	3	13	0	0	0	5	6	5	0	49					0
	8:00 AM	4	8	1	0	9	0	0	0	1	9	4	1	36					0
	8:15 AM	1	21	3	0	15	0	0	3	0	0	0	1	44					0
	8:30 AM	4	22	8	1	10	0	0	1	3	9	1	0	58					0
	8:45 AM	0	6	0	0	11	0	0	1	2	6	0	1	27					0
	VOLUMES	22	80	21	6	82	0	1	10	16	31	12	3	283	0	0	0	0	0
	APPROACH %	18%	65%	17%	6%	94%	0%	4%	37%	59%	67%	26%	7%						
	APP/DEPART	123	/	84	87	/	129	27	/	37	46	/	34	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	11	62	15	4	46	0	0	4	9	24	10	2	187					
	APPROACH %	12%	71%	17%	8%	92%	0%	0%	31%	69%	67%	28%	6%						
	PEAK HR FACTOR		0.663			0.781			0.650			0.643		0.804					
	APP/DEPART	88	/	64	50	/	79	13	/	23	36	/	21	0					
PM	4:00 PM	1	15	0	0	17	0	0	3	3	1	4	9	53					0
	4:15 PM	5	15	4	0	11	0	0	2	0	2	1	1	41					0
	4:30 PM	6	27	0	0	9	0	0	3	7	3	4	1	60					0
	4:45 PM	4	10	0	0	10	0	0	6	4	7	0	0	41					0
	5:00 PM	3	17	0	0	8	0	0	7	5	0	0	0	39					0
	5:15 PM	4	18	3	1	9	0	0	1	7	0	0	4	47					0
	5:30 PM	0	19	0	0	6	0	0	2	2	3	2	2	36					0
	5:45 PM	0	5	1	0	5	0	0	1	0	0	0	1	13					0
	VOLUMES	23	125	8	1	75	0	0	25	27	16	11	18	328	0	0	0	0	0
	APPROACH %	14%	80%	5%	1%	99%	0%	0%	48%	52%	35%	25%	40%						
	APP/DEPART	156	/	143	76	/	118	52	/	34	45	/	34	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	16	67	4	0	47	0	0	14	14	13	9	11	194					
	APPROACH %	18%	77%	5%	0%	100%	0%	0%	51%	49%	38%	28%	34%						
	PEAK HR FACTOR		0.659			0.691			0.688			0.580		0.815					
	APP/DEPART	87	/	78	47	/	73	28	/	18	33	/	25	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

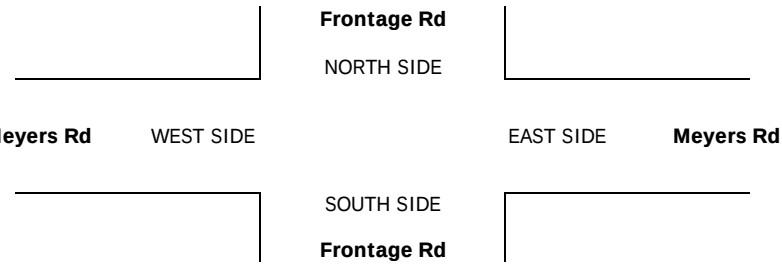
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	4
TUESDAY	EAST & WEST:	Meyers Rd	CONTROL:	STOP E/W

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND (Frontage Rd)			SOUTHBOUND (Frontage Rd)			EASTBOUND (Meyers Rd)			WESTBOUND (Meyers Rd)				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	3	3	2	0	7	0	0	1	2	0	1	0	19	0	0	0	0	0
	7:15 AM	1	3	1	0	4	0	0	2	2	0	0	0	13	0	0	0	0	0
	7:30 AM	1	3	0	0	4	0	1	2	1	1	1	0	14	0	0	0	0	0
	7:45 AM	2	2	0	0	1	0	0	0	5	0	5	0	15	0	0	0	0	0
	8:00 AM	1	6	1	0	5	0	0	0	1	3	1	1	19	0	0	0	0	0
	8:15 AM	1	7	0	0	5	0	0	0	0	0	0	1	14	0	0	0	0	0
	8:30 AM	2	6	2	1	5	0	0	1	1	0	1	0	19	0	0	0	0	0
	8:45 AM	0	3	0	0	2	0	0	1	2	0	0	1	9	0	0	0	0	0
	VOLUMES	11	33	6	1	33	0	1	7	14	4	9	3	122	0	0	0	0	0
	APPROACH %	22%	66%	12%	3%	97%	0%	5%	32%	64%	25%	56%	19%						
	APP/DEPART	50	/	37	34	/	51	22	/	14	16	/	20	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	6	21	3	1	16	0	0	1	7	3	7	2	67	0	0	0	0	
	APPROACH %	20%	70%	10%	6%	94%	0%	0%	13%	88%	25%	58%	17%						
	PEAK HR FACTOR		0.750			0.708			0.400			0.600		0.882					
	APP/DEPART	30	/	23	17	/	26	8	/	5	12	/	13	0					
PM	4:00 PM	1	15	0	0	17	0	0	0	1	1	4	9	48	0	0	0	0	0
	4:15 PM	5	12	1	0	8	0	0	2	0	2	1	1	32	0	0	0	0	0
	4:30 PM	0	15	0	0	6	0	0	3	7	1	2	1	35	0	0	0	0	0
	4:45 PM	4	10	0	0	5	0	0	6	4	1	0	0	30	0	0	0	0	0
	5:00 PM	1	14	0	0	8	0	0	4	3	0	0	0	30	0	0	0	0	0
	5:15 PM	4	13	0	1	9	0	0	1	4	0	0	4	36	0	0	0	0	0
	5:30 PM	0	17	0	0	6	0	0	2	2	0	2	2	31	0	0	0	0	0
	5:45 PM	0	5	1	0	5	0	0	1	0	0	0	1	13	0	1	0	0	1
	VOLUMES	15	101	2	1	64	0	0	19	21	5	9	18	256	0	1	0	0	1
	APPROACH %	13%	86%	2%	2%	97%	0%	0%	48%	53%	16%	28%	56%						
	APP/DEPART	118	/	120	66	/	90	40	/	22	32	/	24	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	10	52	1	0	36	0	0	11	12	5	7	11	145	0	0	0	0	
	APPROACH %	16%	83%	2%	0%	100%	0%	0%	48%	52%	22%	30%	48%						
	PEAK HR FACTOR		0.875			0.529			0.575			0.411		0.755					
	APP/DEPART	63	/	63	36	/	53	23	/	12	23	/	17	0					



INTERSECTION TURNING MOVEMENT COUNTS

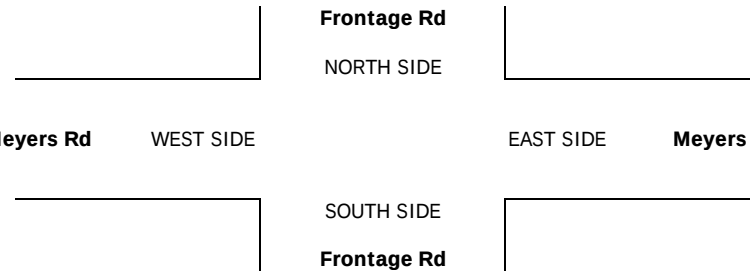
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	4
TUESDAY	EAST & WEST:	Meyers Rd	CONTROL:	STOP E/W

CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Meyers Rd			WESTBOUND Meyers Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	1	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0
	7:15 AM	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	7:30 AM	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	7:45 AM	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	0	0	0
	8:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0
	8:15 AM	0	0	0	0	5	0	0	0	0	0	0	0	5	0	0	0	0	0
	8:30 AM	1	3	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	3	4	0	1	11	0	0	0	0	0	0	0	19	0	0	0	0	0
	APPROACH %	43%	57%	0%	8%	92%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	7	/	4	12	/	11	0	/	1	0	/	3	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	1	4	0	0	10	0	0	0	0	0	0	0	15	0	0	0	0	
	APPROACH %	20%	80%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.313			0.500			0.000			0.000		0.750					
	APP/DEPART	5	/	4	10	/	10	0	/	0	0	/	1	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	2	0	0	2	0	0	0	0	1	0	0	5	0	0	0	0	0
	4:45 PM	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0
	5:00 PM	1	2	0	0	0	0	0	0	1	0	0	0	4	0	0	0	0	0
	5:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	1	6	0	0	4	0	0	0	2	1	0	0	14	0	0	0	0	0
	APPROACH %	14%	86%	0%	0%	100%	0%	0%	0%	100%	100%	0%	0%						
	APP/DEPART	7	/	6	4	/	7	2	/	0	1	/	1	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	2	0	0	4	0	0	0	1	1	0	0	8	0	0	0	0	
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	100%	100%	0%	0%						
	PEAK HR FACTOR		0.250			0.500			0.250			0.250		0.400					
	APP/DEPART	2	/	2	4	/	6	1	/	0	1	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	4
TUESDAY	EAST & WEST:	Meyers Rd	CONTROL:	STOP E/W

CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Meyers Rd			WESTBOUND Meyers Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	7:45 AM	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0
	8:30 AM	0	1	0	0	1	0	0	0	1	0	0	0	3	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	4	0	0	4	0	0	0	1	0	0	0	9	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%						
	APP/DEPART	4	/	4	4	/	5	1	/	0	0	/	0	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	4	0	0	3	0	0	0	1	0	0	0	8	0	0	0	0	
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%						
	PEAK HR FACTOR		0.500			0.750			0.250			0.000		0.667					
	APP/DEPART	4	/	4	3	/	4	1	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	4:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%						
	APP/DEPART	0	/	0	1	/	1	0	/	0	1	/	1	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.250			0.000			0.250		0.500					
	APP/DEPART	0	/	0	1	/	1	0	/	0	1	/	1	0					

Frontage Rd

NORTH SIDE

Meyers Rd WEST SIDE EAST SIDE **Meyers Rd**

SOUTH SIDE

Frontage Rd

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

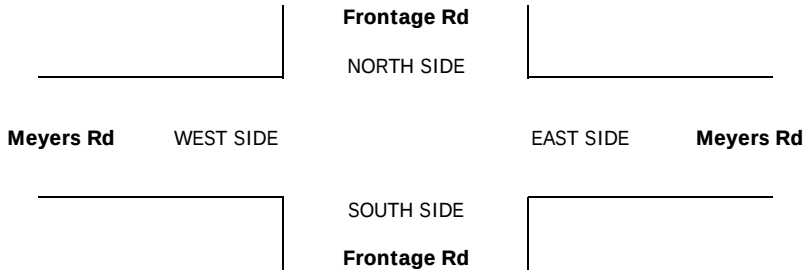
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	4
TUESDAY	EAST & WEST:	Meyers Rd	CONTROL:	STOP E/W

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Meyers Rd			WESTBOUND Meyers Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	7:15 AM	1	1	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0
	7:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	7:45 AM	0	2	1	1	2	0	0	0	0	2	0	0	8	0	0	0	0	0
	8:00 AM	1	0	0	0	0	0	0	0	0	2	1	0	4	0	0	0	0	0
	8:15 AM	0	4	1	0	0	0	0	1	0	0	0	0	6	0	0	0	0	0
	8:30 AM	0	3	2	0	1	0	0	0	0	3	0	0	9	0	0	0	0	0
	8:45 AM	0	1	0	0	3	0	0	0	0	2	0	0	6	0	0	0	0	0
	VOLUMES	2	11	5	1	8	0	0	1	0	9	1	0	38	0	0	0	0	0
	APPROACH %	11%	61%	28%	11%	89%	0%	0%	100%	0%	90%	10%	0%						
	APP/DEPART	18	/	11	9	/	17	1	/	7	10	/	3	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	1	9	4	1	3	0	0	1	0	7	1	0	27	0	0	0	0	
	APPROACH %	7%	64%	29%	25%	75%	0%	0%	100%	0%	88%	13%	0%						
	PEAK HR FACTOR		0.700			0.333			0.250			0.667		0.750					
	APP/DEPART	14	/	9	4	/	10	1	/	6	8	/	2	0					
PM	4:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	4:15 PM	0	1	1	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0
	4:30 PM	2	3	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	1	1	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	2	5	2	0	1	0	0	2	1	3	0	0	16	0	0	0	0	0
	APPROACH %	22%	56%	22%	0%	100%	0%	0%	67%	33%	100%	0%	0%						
	APP/DEPART	9	/	5	1	/	5	3	/	4	3	/	2	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	2	4	1	0	1	0	0	1	0	2	0	0	11	0	0	0	0	
	APPROACH %	29%	57%	14%	0%	100%	0%	0%	100%	0%	100%	0%	0%						
	PEAK HR FACTOR		0.350			0.250			0.250			0.250		0.550					
	APP/DEPART	7	/	4	1	/	3	1	/	2	2	/	2	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	4
TUESDAY	EAST & WEST:	Meyers Rd	CONTROL:	STOP E/W

CLASS 5:	NOTES:
RV	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Meyers Rd			WESTBOUND Meyers Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					

Frontage Rd

NORTH SIDE

Meyers Rd WEST SIDE EAST SIDE **Meyers Rd**

SOUTH SIDE

Frontage Rd

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
1/14/25	LOCATION:	Colusa	PROJECT #:	SC5128	
TUESDAY	NORTH & SOUTH:	Frontage Rd	LOCATION #:	4	
	EAST & WEST:	Meyers Rd	CONTROL:	STOP E/W	

CLASS 6:	NOTES:	AM		▲ N	
BUSES		PM			
		MD	◄ W		E ►
		OTHER		S ▼	
		OTHER			

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Meyers Rd			WESTBOUND Meyers Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					

Frontage Rd

NORTH SIDE

Meyers Rd WEST SIDE EAST SIDE **Meyers Rd**

SOUTH SIDE

Frontage Rd

INTERSECTION TURNING MOVEMENT COUNTS

T020624

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, Jan 14, 25	LOCATION:	Colusa	PROJECT #: SC5128
	NORTH & SOUTH:	Frontage Rd	LOCATION #: 5
	EAST & WEST:	Hahn Rd	CONTROL: STOP ALL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL 0
AM	7:00 AM	3	11	8	2	6	2	2	9	1	12	15	0	71	0	0	0	0	0
	7:15 AM	4	7	8	0	7	1	1	15	1	7	11	0	62	0	0	0	0	0
	7:30 AM	2	3	21	1	4	3	2	14	2	17	13	0	82	0	0	0	0	0
	7:45 AM	3	5	17	3	6	3	3	6	0	16	9	5	76	0	0	0	0	0
	8:00 AM	3	8	23	3	8	10	3	10	2	14	8	0	92	0	0	0	0	0
	8:15 AM	1	10	14	2	9	3	3	14	3	6	18	1	84	0	0	0	0	0
	8:30 AM	0	14	13	2	9	4	4	15	3	9	8	2	83	0	0	0	0	0
	8:45 AM	2	2	11	2	4	5	1	18	2	8	11	1	67	0	0	0	0	0
	VOLUMES	18	60	115	15	53	31	19	101	14	89	93	9	617	0	0	0	0	0
	APPROACH %	9%	31%	60%	15%	54%	31%	14%	75%	10%	47%	49%	5%						
	APP/DEPART	193	/	88	99	/	156	134	/	231	191	/	142	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	7	37	67	10	32	20	13	45	8	45	43	8	335	0	0	0	0	
	APPROACH %	6%	33%	60%	16%	52%	32%	20%	68%	12%	47%	45%	8%						
	PEAK HR FACTOR		0.816			0.738			0.750			0.800		0.910					
	APP/DEPART	111	/	58	62	/	85	66	/	122	96	/	70	0					
PM	4:00 PM	4	14	15	2	11	0	1	21	3	7	10	3	91	0	0	0	0	0
	4:15 PM	1	19	22	0	10	3	1	14	1	6	10	2	89	0	0	0	0	0
	4:30 PM	7	15	21	2	10	2	1	15	1	17	15	1	107	0	0	0	0	0
	4:45 PM	5	12	12	1	13	3	0	19	0	14	14	0	93	0	0	0	0	0
	5:00 PM	4	16	19	1	10	2	0	39	10	8	14	7	130	0	0	0	0	0
	5:15 PM	3	11	15	1	12	0	2	14	0	16	20	5	99	0	0	0	0	0
	5:30 PM	1	12	7	2	7	0	0	12	1	15	18	2	77	0	0	0	0	0
	5:45 PM	1	2	8	0	7	0	2	19	0	8	12	0	59	0	0	0	0	0
	VOLUMES	26	101	119	9	80	10	7	153	16	91	113	20	745	0	0	0	0	0
	APPROACH %	11%	41%	48%	9%	81%	10%	4%	87%	9%	41%	50%	9%						
	APP/DEPART	246	/	128	99	/	187	176	/	281	224	/	149	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	19	54	67	5	45	7	3	87	11	55	63	13	429	0	0	0	0	
	APPROACH %	14%	39%	48%	9%	79%	12%	3%	86%	11%	42%	48%	10%						
	PEAK HR FACTOR		0.814			0.838			0.515			0.799		0.825					
	APP/DEPART	140	/	70	57	/	111	101	/	159	131	/	89	0					

Frontage Rd

NORTH LEG

Hahn Rd WEST LEG EAST LEG **Hahn Rd**

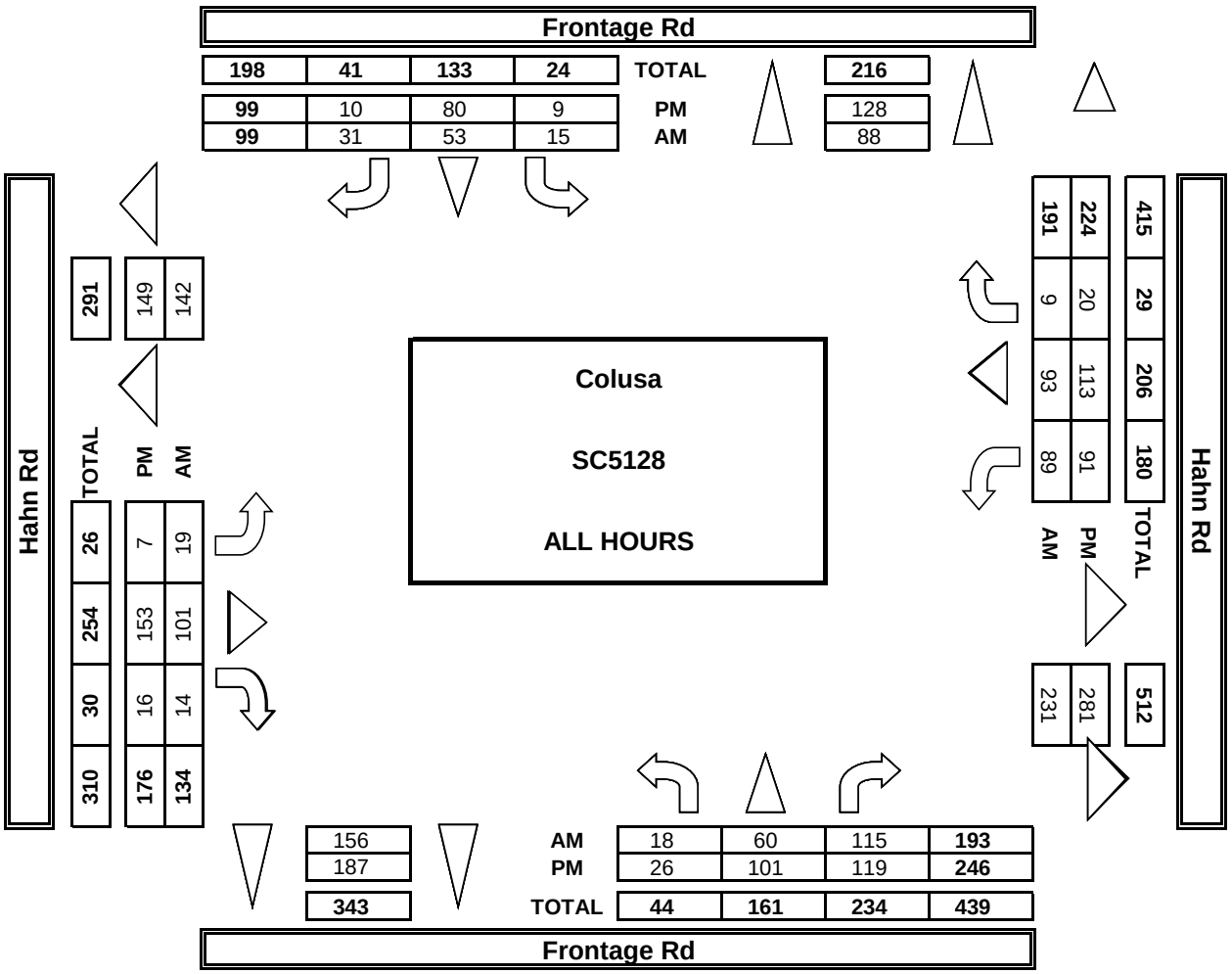
SOUTH LEG

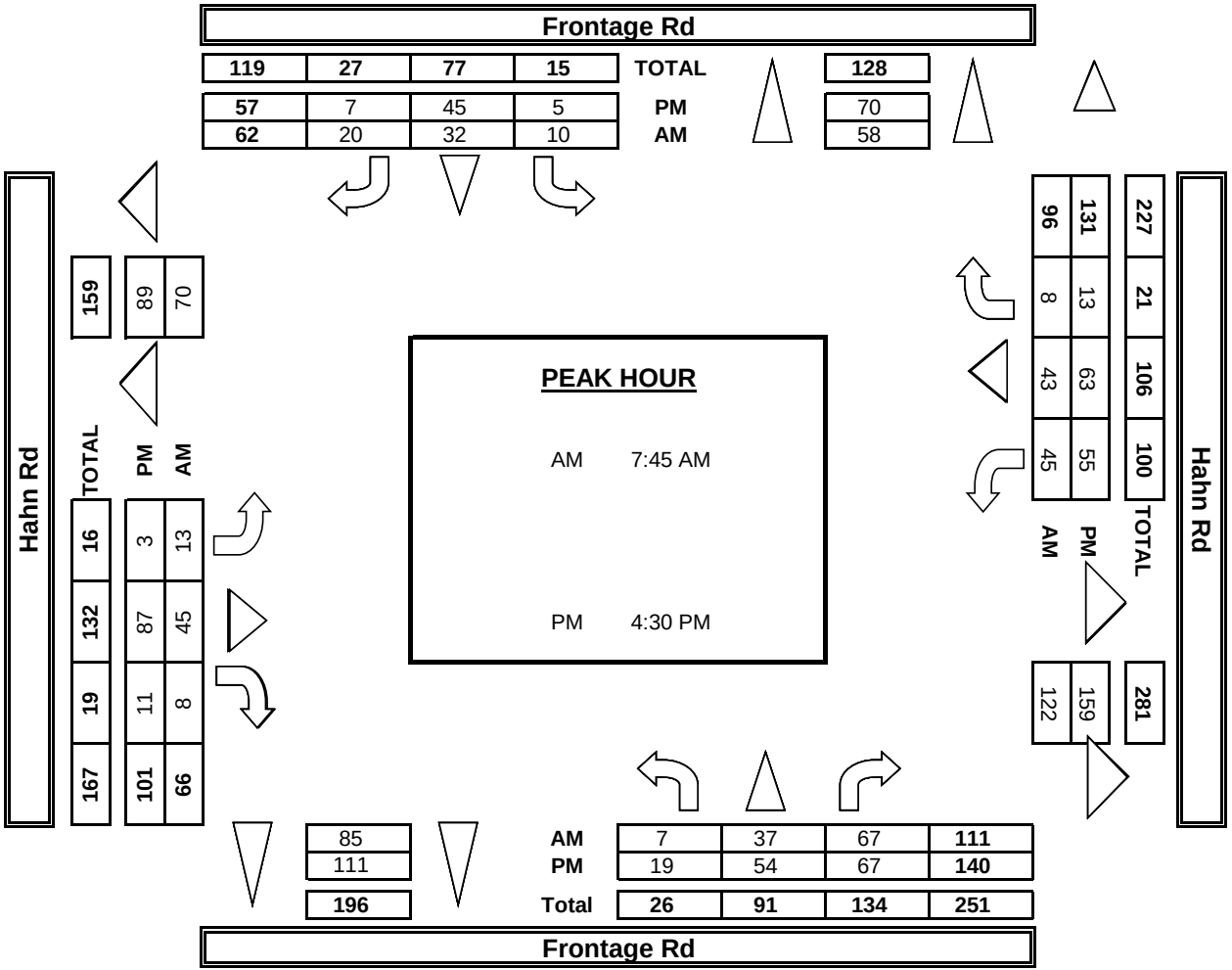
Frontage Rd

		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AimTD LLC

TURNING MOVEMENT COUNTS





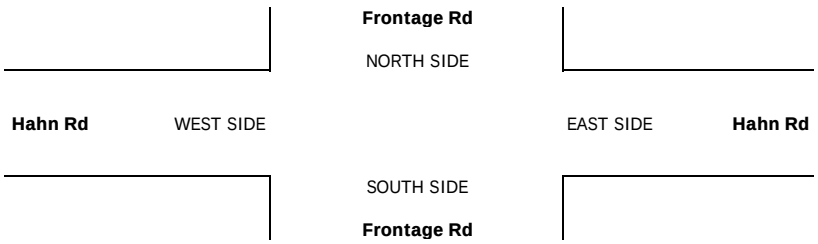
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
1/14/25	LOCATION:	Colusa	PROJECT #:	SC5128	
TUESDAY	NORTH & SOUTH:	Frontage Rd	LOCATION #:	5	
	EAST & WEST:	Hahn Rd	CONTROL:	STOP ALL	

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼	
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	3	16	9	2	7	6	4	10	1	15	18	0	90					0
	7:15 AM	4	13	9	0	7	1	3	16	1	8	12	0	73					0
	7:30 AM	4	4	22	1	4	5	3	17	4	27	19	0	108					0
	7:45 AM	3	10	19	3	7	7	7	7	0	19	12	9	102					0
	8:00 AM	3	11	23	4	9	19	7	11	6	19	9	0	119					0
	8:15 AM	1	13	16	5	11	9	9	19	4	8	19	3	115					0
	8:30 AM	0	19	20	4	14	12	10	24	5	12	9	3	130					0
	8:45 AM	2	3	17	2	6	14	3	25	6	13	12	1	103					0
	VOLUMES	20	86	134	21	65	73	46	127	27	120	108	16	839	0	0	0	0	0
	APPROACH %	8%	36%	56%	13%	41%	46%	23%	64%	13%	49%	44%	6%						
	APP/DEPART	240	/	147	158	/	211	199	/	281	243	/	200	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	7	52	78	16	41	47	33	60	15	57	48	15	466					
	APPROACH %	5%	38%	57%	15%	40%	45%	31%	56%	14%	48%	40%	12%						
	PEAK HR FACTOR		0.895			0.809			0.686			0.753		0.895					
	APP/DEPART	136	/	99	104	/	113	107	/	153	119	/	102	0					
PM	4:00 PM	4	15	17	3	12	0	1	22	4	10	12	3	101					0
	4:15 PM	2	30	27	0	10	5	1	15	1	6	11	2	109					0
	4:30 PM	7	18	22	2	11	2	1	16	1	18	17	1	114					0
	4:45 PM	5	12	12	1	15	3	0	23	0	16	15	0	101					0
	5:00 PM	5	17	24	1	13	3	0	42	10	8	16	7	145					0
	5:15 PM	6	14	22	1	13	0	2	17	0	18	23	6	120					0
	5:30 PM	1	12	7	2	9	0	0	14	1	20	19	2	86					0
	5:45 PM	1	2	9	0	10	0	4	19	0	8	13	0	66					0
	VOLUMES	30	120	138	10	92	13	9	167	17	103	124	21	841	0	0	0	0	0
	APPROACH %	10%	42%	48%	8%	81%	11%	5%	87%	9%	42%	50%	8%						
	APP/DEPART	288	/	149	114	/	212	192	/	314	247	/	166	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	23	61	79	5	51	8	3	97	11	60	70	14	480					
	APPROACH %	14%	38%	48%	8%	80%	12%	3%	87%	10%	42%	49%	9%						
	PEAK HR FACTOR		0.871			0.858			0.534			0.777		0.827					
	APP/DEPART	162	/	78	64	/	122	111	/	181	143	/	100	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	5
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP ALL

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	3	8	6	2	5	0	1	7	1	9	13	0	55	0	0	0	0	0
	7:15 AM	4	4	7	0	7	1	0	13	1	6	10	0	53	0	0	0	0	0
	7:30 AM	1	2	19	1	4	2	1	12	1	11	10	0	64	0	0	0	0	0
	7:45 AM	3	2	16	3	4	1	1	5	0	14	7	3	59	0	0	0	0	0
	8:00 AM	3	6	23	1	6	5	1	9	0	9	7	0	70	0	0	0	0	0
	8:15 AM	1	8	13	0	6	0	0	9	2	5	17	0	61	0	0	0	0	0
	8:30 AM	0	9	7	1	4	0	1	10	2	7	6	1	48	0	0	0	0	0
	8:45 AM	2	1	8	2	3	0	0	12	0	1	9	1	39	0	0	0	0	0
	VOLUMES	17	40	99	10	39	9	5	77	7	62	79	5	449	0	0	0	0	0
	APPROACH %	11%	26%	63%	17%	67%	16%	6%	87%	8%	42%	54%	3%						
	APP/DEPART	156	/	50	58	/	108	89	/	186	146	/	105	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	7	25	59	5	20	6	3	33	4	35	37	4	238	0	0	0	0	
	APPROACH %	8%	27%	65%	16%	65%	19%	8%	83%	10%	46%	49%	5%						
	PEAK HR FACTOR		0.711			0.646			0.769			0.792		0.850					
	APP/DEPART	91	/	32	31	/	59	40	/	97	76	/	50	0					
PM	4:00 PM	4	13	14	1	9	0	1	19	2	5	7	3	78	0	0	0	0	0
	4:15 PM	0	12	18	0	10	2	1	13	1	6	9	2	74	0	0	0	0	0
	4:30 PM	7	12	20	2	9	2	1	14	1	15	12	1	96	0	0	0	0	0
	4:45 PM	5	12	12	1	10	3	0	17	0	13	13	0	86	0	0	0	0	0
	5:00 PM	3	14	16	1	7	1	0	36	10	8	13	7	116	0	0	0	0	0
	5:15 PM	1	8	9	1	10	0	2	12	0	15	18	4	80	0	0	0	0	0
	5:30 PM	1	12	7	2	6	0	0	9	1	12	17	2	69	0	0	0	0	0
	5:45 PM	1	2	7	0	4	0	1	19	0	8	10	0	52	0	0	0	0	0
	VOLUMES	22	85	103	8	65	8	6	139	15	82	99	19	651	0	0	0	0	0
	APPROACH %	10%	40%	49%	10%	80%	10%	4%	87%	9%	41%	50%	10%						
	APP/DEPART	210	/	110	81	/	162	160	/	250	200	/	129	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	16	46	57	5	36	6	3	79	11	51	56	12	378	0	0	0	0	
	APPROACH %	13%	39%	48%	11%	77%	13%	3%	85%	12%	43%	47%	10%						
	PEAK HR FACTOR		0.763			0.839			0.505			0.804		0.815					
	APP/DEPART	119	/	61	47	/	98	93	/	141	119	/	78	0					

Frontage Rd

NORTH SIDE

Hahn Rd WEST SIDE EAST SIDE **Hahn Rd**

SOUTH SIDE

Frontage Rd

INTERSECTION TURNING MOVEMENT COUNTS

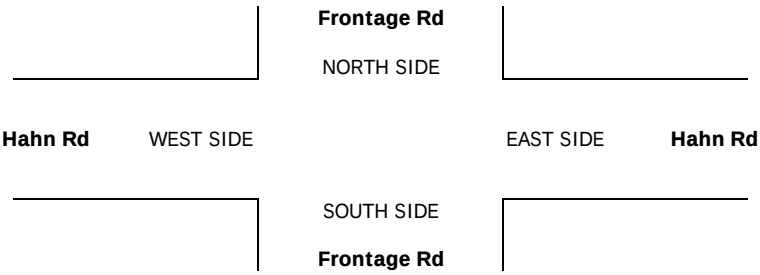
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	5
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP ALL

CLASS 2:	NOTES:
2-AXLE WORK VEHICLES/ TRUCKS	

AM PM MD OTHER OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	1	2	0	1	0	0	2	0	2	1	0	9	0	0	0	0	0
	7:15 AM	0	0	1	0	0	0	0	2	0	0	1	0	4	0	0	0	0	0
	7:30 AM	0	1	2	0	0	0	1	1	0	1	0	0	6	0	0	0	0	0
	7:45 AM	0	0	0	0	2	0	0	1	0	0	1	0	4	0	0	0	0	0
	8:00 AM	0	1	0	2	2	0	0	1	0	3	1	0	10	0	0	0	0	0
	8:15 AM	0	1	0	1	2	0	0	3	1	0	1	0	9	0	0	0	0	0
	8:30 AM	0	3	3	0	2	0	0	0	0	1	2	1	12	0	0	0	0	0
	8:45 AM	0	1	0	0	0	1	0	3	0	6	2	0	13	0	0	0	0	0
	VOLUMES	0	8	8	3	9	1	1	13	1	13	9	1	67	0	0	0	0	0
	APPROACH %	0%	50%	50%	23%	69%	8%	7%	87%	7%	57%	39%	4%						
	APP/DEPART	16	/	10	13	/	23	15	/	24	23	/	10	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	5	3	3	8	0	0	5	1	4	5	1	35	0	0	0	0	
	APPROACH %	0%	63%	38%	27%	73%	0%	0%	83%	17%	40%	50%	10%						
	PEAK HR FACTOR		0.333			0.688			0.375			0.625		0.729					
	APP/DEPART	8	/	6	11	/	13	6	/	11	10	/	5	0					
PM	4:00 PM	0	1	0	1	2	0	0	2	1	1	2	0	10	0	0	0	0	0
	4:15 PM	1	2	2	0	0	0	0	1	0	0	1	0	7	0	0	0	0	0
	4:30 PM	0	2	1	0	1	0	0	1	0	2	3	0	10	0	0	0	0	0
	4:45 PM	0	0	0	0	3	0	0	0	0	0	1	0	4	0	0	0	0	0
	5:00 PM	0	2	1	0	2	1	0	2	0	0	0	0	8	0	0	0	0	0
	5:15 PM	1	2	3	0	2	0	0	1	0	0	1	1	11	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	2	0	1	1	0	4	0	0	0	0	0
	5:45 PM	0	0	1	0	2	0	0	0	0	0	2	0	5	0	0	0	0	0
	VOLUMES	2	9	8	1	12	1	0	9	1	4	11	1	59	0	0	0	0	0
	APPROACH %	11%	47%	42%	7%	86%	7%	0%	90%	10%	25%	69%	6%						
	APP/DEPART	19	/	10	14	/	17	10	/	18	16	/	14	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	1	6	5	0	8	1	0	4	0	2	5	1	33	0	0	0	0	
	APPROACH %	8%	50%	42%	0%	89%	11%	0%	100%	0%	25%	63%	13%						
	PEAK HR FACTOR		0.500			0.750			0.500			0.400		0.750					
	APP/DEPART	12	/	7	9	/	10	4	/	9	8	/	7	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	5
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP ALL

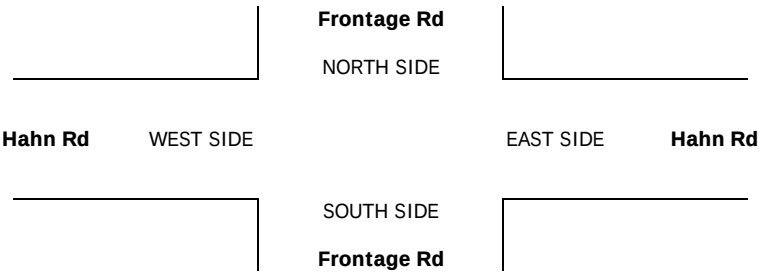
CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	7:45 AM	0	1	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0
	8:00 AM	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	0	0	0
	8:15 AM	0	0	0	0	1	0	0	1	0	0	0	0	2	0	0	0	0	0
	8:30 AM	0	1	0	0	2	0	0	1	0	0	0	0	4	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	VOLUMES	0	2	0	0	3	1	0	3	0	4	0	0	13	0	0	0	0	0
	APPROACH %	0%	100%	0%	0%	75%	25%	0%	100%	0%	100%	0%	0%						
	APP/DEPART	2	/	2	4	/	7	3	/	3	4	/	1	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	2	0	0	3	1	0	2	0	2	0	0	10	0	0	0	0	
	APPROACH %	0%	100%	0%	0%	75%	25%	0%	100%	0%	100%	0%	0%						
	PEAK HR FACTOR		0.500			0.500			0.500			0.500		0.625					
	APP/DEPART	2	/	2	4	/	5	2	/	2	2	/	1	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:15 PM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	1	0	1	0	0	0	0	1	0	0	1	0	4	0	0	0	0	0
	APPROACH %	50%	0%	50%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	2	/	0	0	/	0	1	/	2	1	/	2	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	1	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	
	APPROACH %	50%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.500			0.000			0.000			0.000		0.500					
	APP/DEPART	2	/	0	0	/	0	0	/	1	0	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

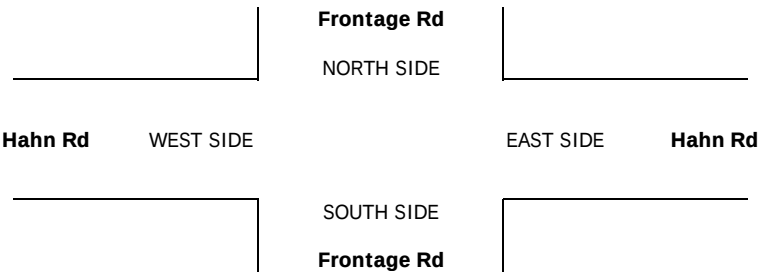
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	5
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP ALL

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM																		
7:00 AM	0	2	0	0	0	2	1	0	0	1	1	0	7	0	0	0	0	0
7:15 AM	0	3	0	0	0	0	1	0	0	0	0	0	4	0	0	0	0	0
7:30 AM	1	0	0	0	0	1	0	1	1	4	3	0	11	0	0	0	0	0
7:45 AM	0	2	1	0	0	2	2	0	0	1	1	2	11	0	0	0	0	0
8:00 AM	0	1	0	0	0	4	2	0	2	1	0	0	10	0	0	0	0	0
8:15 AM	0	1	1	1	0	3	3	1	0	1	0	1	12	0	0	0	0	0
8:30 AM	0	1	2	1	1	4	3	4	1	1	0	0	18	0	0	0	0	0
8:45 AM	0	0	3	0	1	4	1	2	2	1	0	0	14	0	0	0	0	0
VOLUMES	1	10	7	2	2	20	13	8	6	10	5	3	87	0	0	0	0	0
APPROACH %	6%	56%	39%	8%	8%	83%	48%	30%	22%	56%	28%	17%						
APP/DEPART	18	/	26	24	/	18	27	/	17	18	/	26	0					
BEGIN PEAK HR		7:45 AM																
VOLUMES	0	5	4	2	1	13	10	5	3	4	1	3	51	0	0	0	0	
APPROACH %	0%	56%	44%	13%	6%	81%	56%	28%	17%	50%	13%	38%						
PEAK HR FACTOR		0.750			0.667			0.563			0.500		0.708					
APP/DEPART	9	/	18	16	/	8	18	/	11	8	/	14	0					
PM																		
4:00 PM	0	0	1	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0
4:15 PM	0	5	2	0	0	1	0	0	0	0	0	0	8	0	0	0	0	0
4:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	2	0	1	0	0	3	0	0	0	0	0
5:00 PM	0	0	2	0	1	0	0	1	0	0	1	0	5	0	0	0	0	0
5:15 PM	1	1	2	0	0	0	0	1	0	1	1	0	7	0	0	0	0	0
5:30 PM	0	0	0	0	1	0	0	0	0	2	0	0	3	0	0	0	0	0
5:45 PM	0	0	0	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0
VOLUMES	1	7	7	0	3	1	1	4	0	5	2	0	31	0	0	0	0	0
APPROACH %	7%	47%	47%	0%	75%	25%	20%	80%	0%	71%	29%	0%						
APP/DEPART	15	/	8	4	/	8	5	/	11	7	/	4	0					
BEGIN PEAK HR		4:30 PM																
VOLUMES	1	2	4	0	1	0	0	4	0	2	2	0	16	0	0	0	0	
APPROACH %	14%	29%	57%	0%	100%	0%	0%	100%	0%	50%	50%	0%						
PEAK HR FACTOR		0.438			0.250			0.500			0.500		0.571					
APP/DEPART	7	/	2	1	/	3	4	/	8	4	/	3	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	5
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP ALL

CLASS 5: RV

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					

Frontage Rd

NORTH SIDE

Hahn Rd WEST SIDE EAST SIDE **Hahn Rd**

SOUTH SIDE

Frontage Rd

INTERSECTION TURNING MOVEMENT COUNTS

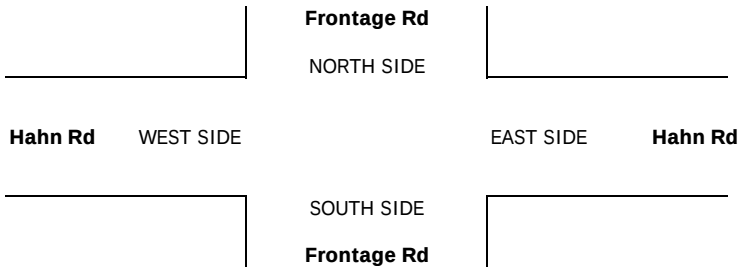
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	Frontage Rd	LOCATION #:	5
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP ALL

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Frontage Rd			SOUTHBOUND Frontage Rd			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	1	/	0	0	/	0	0	/	1	0	/	0	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.250			0.000			0.000			0.000		0.250					
	APP/DEPART	1	/	0	0	/	0	0	/	1	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

T020624

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
Tue, Jan 14, 25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	6
	EAST & WEST:	Hahn Rd	CONTROL:	STOP N

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 0	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	2	1	9	0	0	0	0	3	0	0	17	3	35	0	0	0	0	0
	7:15 AM	3	0	14	0	0	0	0	3	0	0	13	3	36	0	0	0	0	0
	7:30 AM	0	0	14	0	0	0	0	4	0	0	14	4	36	0	0	0	0	0
	7:45 AM	0	1	9	0	0	0	0	0	0	0	10	5	25	0	0	0	0	0
	8:00 AM	0	0	10	0	0	0	0	6	0	0	18	3	37	0	0	0	0	0
	8:15 AM	0	0	12	0	0	0	0	8	0	0	19	2	41	0	0	0	0	0
	8:30 AM	0	2	19	0	0	0	0	3	0	0	11	1	36	0	0	0	0	0
	8:45 AM	3	0	15	0	0	0	0	6	0	0	16	2	42	0	0	0	0	0
	VOLUMES	8	4	102	0	0	0	0	33	0	0	118	23	288	0	0	0	0	0
	APPROACH %	7%	4%	89%	0%	0%	0%	0%	100%	0%	0%	84%	16%						
	APP/DEPART	114	/	27	0	/	0	33	/	135	141	/	126	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	3	2	56	0	0	0	0	23	0	0	64	8	156	0	0	0	0	
	APPROACH %	5%	3%	92%	0%	0%	0%	0%	100%	0%	0%	89%	11%						
	PEAK HR FACTOR		0.726			0.000			0.719			0.857		0.929					
	APP/DEPART	61	/	10	0	/	0	23	/	79	72	/	67	0					
PM	4:00 PM	0	1	21	0	0	0	1	4	0	0	10	4	41	0	0	0	0	0
	4:15 PM	0	0	15	0	0	0	0	1	0	0	12	2	30	0	0	0	0	0
	4:30 PM	0	2	15	0	0	0	1	2	0	0	16	8	44	0	0	0	0	0
	4:45 PM	0	0	18	0	0	0	0	1	0	0	17	5	41	0	0	0	0	0
	5:00 PM	0	0	22	0	0	0	9	26	0	0	15	5	77	0	0	0	0	0
	5:15 PM	1	0	14	0	0	0	0	2	0	0	22	1	40	0	0	0	0	0
	5:30 PM	1	0	13	0	0	0	0	0	0	0	16	3	33	0	0	0	0	0
	5:45 PM	0	0	20	0	0	0	0	1	0	0	12	1	34	0	0	0	0	0
	VOLUMES	2	3	138	0	0	0	11	37	0	0	120	29	340	0	0	0	0	0
	APPROACH %	1%	2%	97%	0%	0%	0%	23%	77%	0%	0%	81%	19%						
	APP/DEPART	143	/	43	0	/	0	48	/	175	149	/	122	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	1	2	69	0	0	0	10	31	0	0	70	19	202	0	0	0	0	
	APPROACH %	1%	3%	96%	0%	0%	0%	24%	76%	0%	0%	79%	21%						
	PEAK HR FACTOR		0.818			0.000			0.293			0.927		0.656					
	APP/DEPART	72	/	31	0	/	0	41	/	100	89	/	71	0					

I-5 NB Ramps

NORTH LEG

Hahn Rd WEST LEG EAST LEG **Hahn Rd**

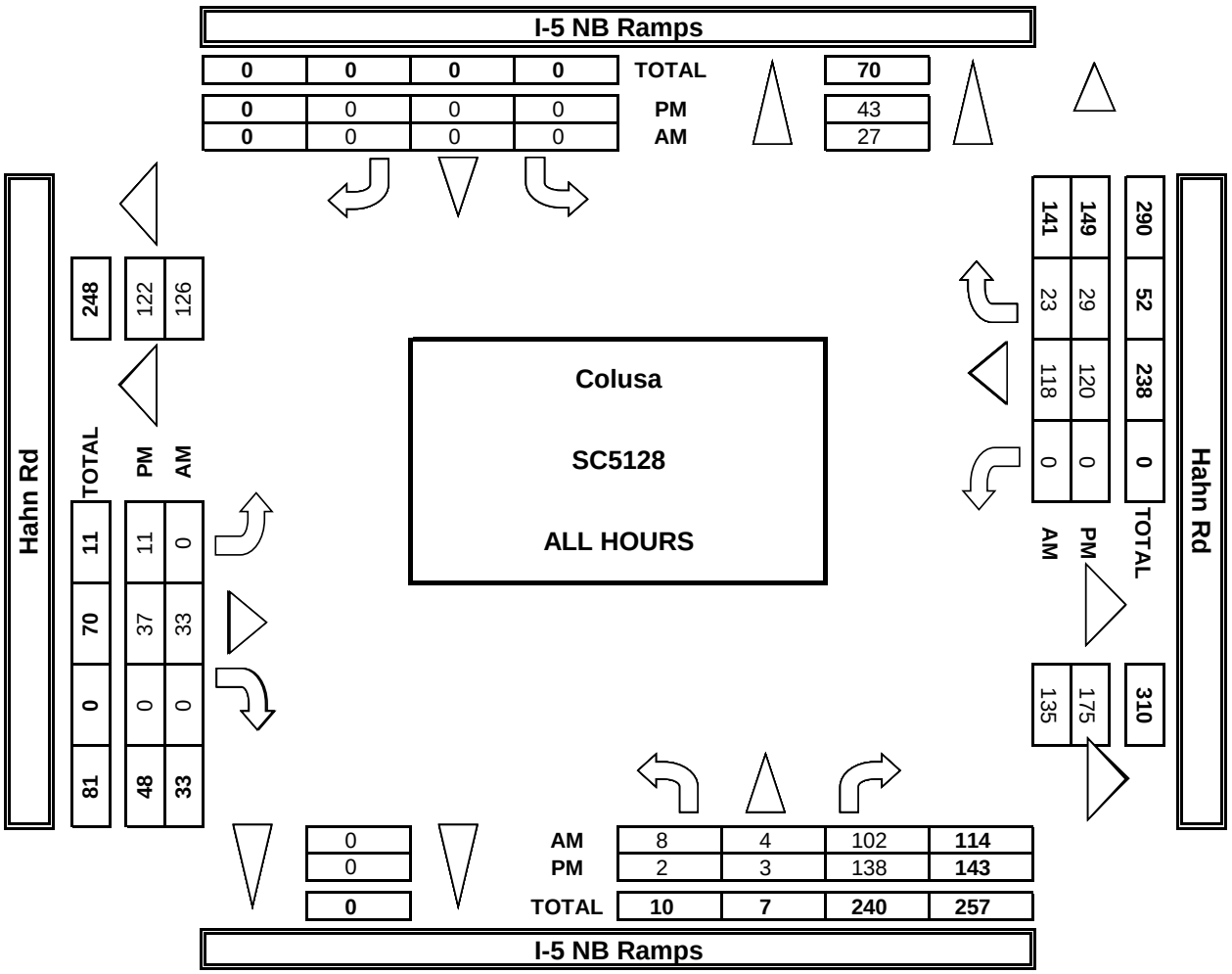
SOUTH LEG

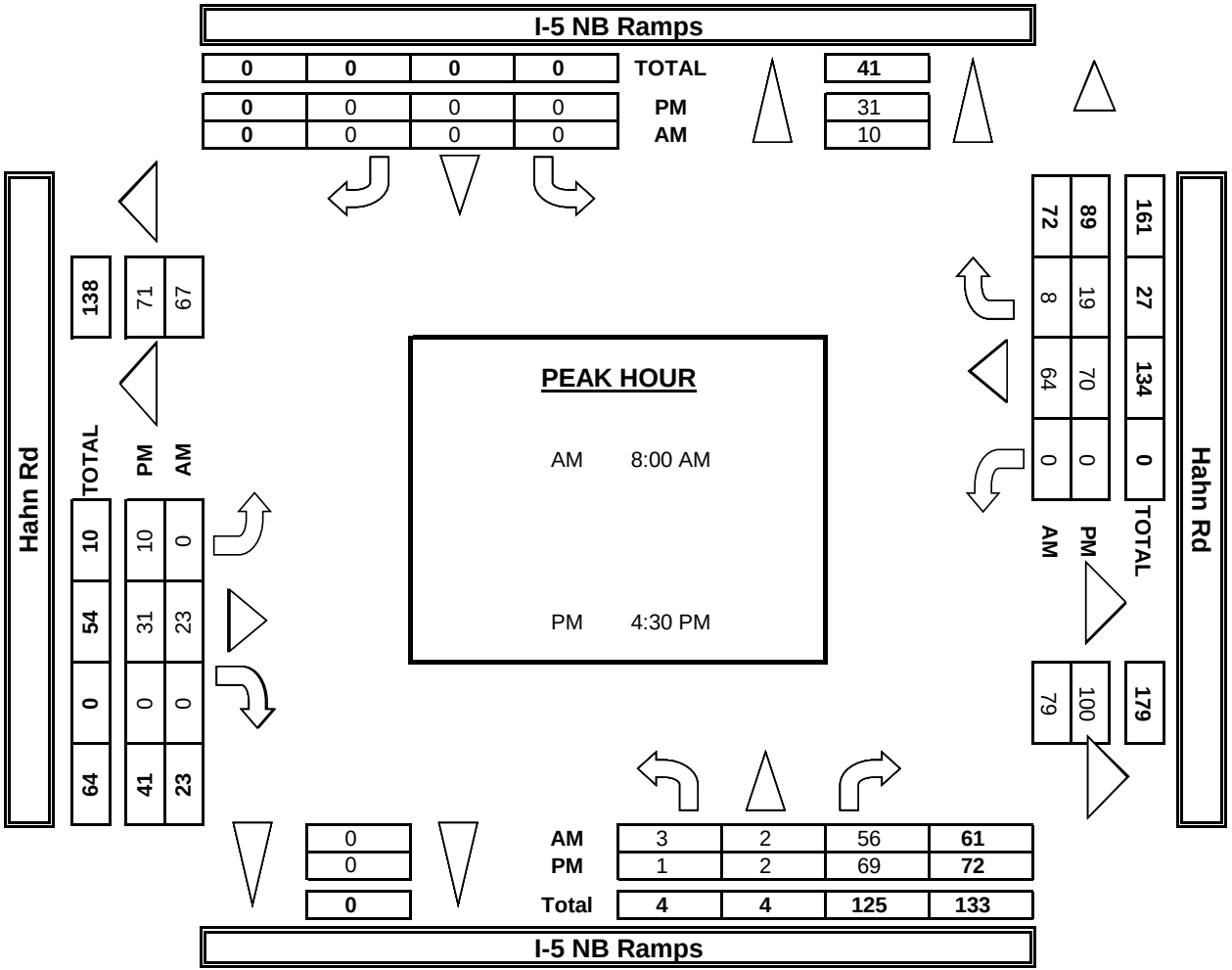
I-5 NB Ramps

		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
1/14/25	LOCATION:	Colusa	PROJECT #:	SC5128	
TUESDAY	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	6	
	EAST & WEST:	Hahn Rd	CONTROL:	STOP N	

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM / PM / MD / OTHER / OTHER	▲ N / ◄ W / E ► / S ▼	
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 0	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	3	1	12	0	0	0	0	3	0	0	24	3	45					0
	7:15 AM	7	0	17	0	0	0	0	3	0	0	14	3	44					0
	7:30 AM	0	0	19	0	0	0	0	5	0	0	22	6	51					0
	7:45 AM	0	3	14	0	0	0	0	0	0	0	17	5	38					0
	8:00 AM	0	0	13	0	0	0	0	12	0	0	26	5	55					0
	8:15 AM	0	0	21	0	0	0	0	11	0	0	26	2	59					0
	8:30 AM	0	5	32	0	0	0	0	7	0	0	20	1	65					0
	8:45 AM	4	0	20	0	0	0	0	14	0	0	24	4	65					0
	VOLUMES	13	9	146	0	0	0	0	54	0	0	170	29	420	0	0	0	0	0
	APPROACH %	8%	5%	87%	0%	0%	0%	0%	100%	0%	0%	85%	15%						
	APP/DEPART	167	/	38	0	/	0	54	/	200	199	/	183	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	4	5	85	0	0	0	0	44	0	0	95	12	243					
	APPROACH %	4%	5%	91%	0%	0%	0%	0%	100%	0%	0%	89%	11%						
	PEAK HR FACTOR		0.634			0.000			0.777			0.873		0.940					
	APP/DEPART	93	/	17	0	/	0	44	/	128	107	/	98	0					
PM	4:00 PM	0	3	22	0	0	0	1	5	0	0	12	4	47					0
	4:15 PM	0	0	16	0	0	0	0	1	0	0	15	3	34					0
	4:30 PM	0	4	16	0	0	0	2	2	0	0	18	8	49					0
	4:45 PM	0	0	22	0	0	0	0	1	0	0	18	5	46					0
	5:00 PM	0	0	25	0	0	0	9	26	0	0	17	7	84					0
	5:15 PM	1	0	14	0	0	0	0	5	0	0	27	1	48					0
	5:30 PM	1	0	15	0	0	0	0	0	0	0	17	3	36					0
	5:45 PM	0	0	22	0	0	0	0	1	0	0	13	1	37					0
	VOLUMES	2	7	151	0	0	0	12	40	0	0	135	32	378	0	0	0	0	0
	APPROACH %	1%	4%	94%	0%	0%	0%	22%	78%	0%	0%	81%	19%						
	APP/DEPART	160	/	50	0	/	0	52	/	191	166	/	137	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	1	4	77	0	0	0	11	34	0	0	79	21	225					
	APPROACH %	1%	5%	94%	0%	0%	0%	24%	76%	0%	0%	79%	21%						
	PEAK HR FACTOR		0.815			0.000			0.314			0.888		0.674					
	APP/DEPART	82	/	36	0	/	0	44	/	110	100	/	80	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

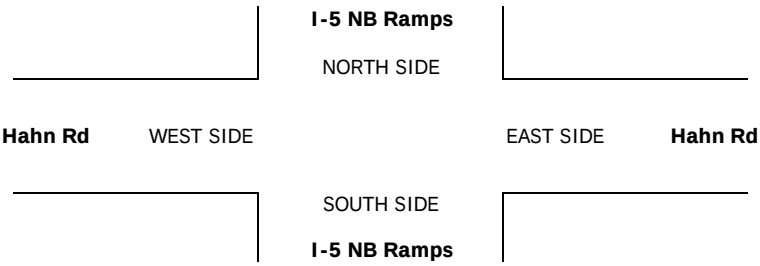
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	6
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP N

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 0	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	1	1	6	0	0	0	0	3	0	0	13	3	27	0	0	0	0	0
	7:15 AM	1	0	11	0	0	0	0	3	0	0	12	3	30	0	0	0	0	0
	7:30 AM	0	0	11	0	0	0	0	3	0	0	10	3	27	0	0	0	0	0
	7:45 AM	0	0	6	0	0	0	0	0	0	0	6	5	17	0	0	0	0	0
	8:00 AM	0	0	8	0	0	0	0	3	0	0	13	2	26	0	0	0	0	0
	8:15 AM	0	0	5	0	0	0	0	6	0	0	15	2	28	0	0	0	0	0
	8:30 AM	0	0	12	0	0	0	0	1	0	0	5	1	19	0	0	0	0	0
	8:45 AM	2	0	12	0	0	0	0	0	0	0	10	1	25	0	0	0	0	0
	VOLUMES	4	1	71	0	0	0	0	19	0	0	84	20	199	0	0	0	0	0
	APPROACH %	5%	1%	93%	0%	0%	0%	0%	100%	0%	0%	81%	19%						
	APP/DEPART	76	/	21	0	/	0	19	/	90	104	/	88	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	2	0	37	0	0	0	0	10	0	0	43	6	98	0	0	0	0	
	APPROACH %	5%	0%	95%	0%	0%	0%	0%	100%	0%	0%	88%	12%						
	PEAK HR FACTOR		0.696			0.000			0.417			0.721		0.875					
	APP/DEPART	39	/	6	0	/	0	10	/	47	49	/	45	0					
PM	4:00 PM	0	0	19	0	0	0	1	3	0	0	7	4	34	0	0	0	0	0
	4:15 PM	0	0	14	0	0	0	0	1	0	0	10	1	26	0	0	0	0	0
	4:30 PM	0	1	14	0	0	0	0	2	0	0	13	8	38	0	0	0	0	0
	4:45 PM	0	0	16	0	0	0	0	1	0	0	16	5	38	0	0	0	0	0
	5:00 PM	0	0	19	0	0	0	9	26	0	0	13	4	71	0	0	0	0	0
	5:15 PM	1	0	14	0	0	0	0	0	0	0	18	1	34	0	0	0	0	0
	5:30 PM	1	0	10	0	0	0	0	0	0	0	15	3	29	0	0	0	0	0
	5:45 PM	0	0	19	0	0	0	0	1	0	0	10	1	31	0	0	0	0	0
	VOLUMES	2	1	125	0	0	0	10	34	0	0	102	27	301	0	0	0	0	0
	APPROACH %	2%	1%	98%	0%	0%	0%	23%	77%	0%	0%	79%	21%						
	APP/DEPART	128	/	38	0	/	0	44	/	159	129	/	104	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	1	1	63	0	0	0	9	29	0	0	60	18	181	0	0	0	0	
	APPROACH %	2%	2%	97%	0%	0%	0%	24%	76%	0%	0%	77%	23%						
	PEAK HR FACTOR		0.855			0.000			0.271			0.929		0.637					
	APP/DEPART	65	/	28	0	/	0	38	/	92	78	/	61	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	6
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP N

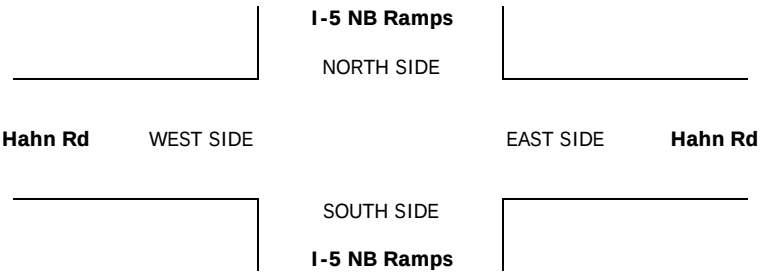
CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 0	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	1	0	2	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0
	7:15 AM	0	0	2	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0
	7:30 AM	0	0	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0
	7:45 AM	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0
	8:00 AM	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0
	8:15 AM	0	0	3	0	0	0	0	1	0	0	1	0	5	0	0	0	0	0
	8:30 AM	0	1	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0
	8:45 AM	1	0	1	0	0	0	0	2	0	0	3	0	7	0	0	0	0	0
	VOLUMES	2	1	11	0	0	0	0	4	0	0	10	0	28	0	0	0	0	0
	APPROACH %	14%	7%	79%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	14	/	1	0	/	0	4	/	15	10	/	12	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	1	1	5	0	0	0	0	3	0	0	7	0	17	0	0	0	0	
	APPROACH %	14%	14%	71%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.583			0.000			0.375			0.583		0.607					
	APP/DEPART	7	/	1	0	/	0	3	/	8	7	/	8	0					
PM	4:00 PM	0	0	2	0	0	0	0	1	0	0	2	0	5	0	0	0	0	0
	4:15 PM	0	0	1	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0
	4:30 PM	0	0	1	0	0	0	1	0	0	0	3	0	5	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	5:00 PM	0	0	2	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	1	0	0	2	0	3	0	0	0	0	0
	5:30 PM	0	0	2	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
	VOLUMES	0	0	8	0	0	0	1	2	0	0	13	1	25	0	0	0	0	0
	APPROACH %	0%	0%	100%	0%	0%	0%	33%	67%	0%	0%	93%	7%						
	APP/DEPART	8	/	2	0	/	0	3	/	10	14	/	13	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	3	0	0	0	1	1	0	0	7	0	12	0	0	0	0	
	APPROACH %	0%	0%	100%	0%	0%	0%	50%	50%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.375			0.000			0.500			0.583		0.600					
	APP/DEPART	3	/	1	0	/	0	2	/	4	7	/	7	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	6
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP N

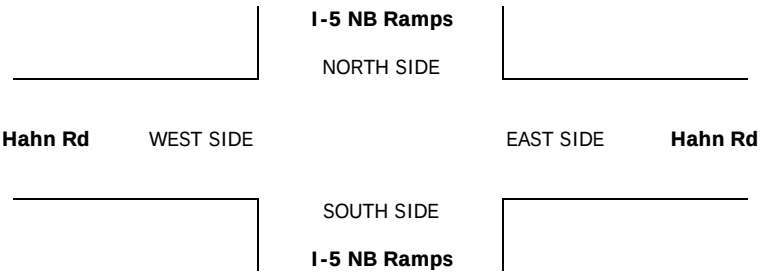
CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 0	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	8:15 AM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:30 AM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	VOLUMES	0	0	2	0	0	0	0	1	0	0	1	0	4	0	0	0	0	0
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	2	/	0	0	/	0	1	/	3	1	/	1	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	2	0	0	0	0	1	0	0	1	0	4	0	0	0	0	
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.500			0.000			0.250			0.250		1.000					
	APP/DEPART	2	/	0	0	/	0	1	/	3	1	/	1	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	1	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
	APP/DEPART	1	/	0	0	/	0	0	/	1	2	/	2	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
	APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

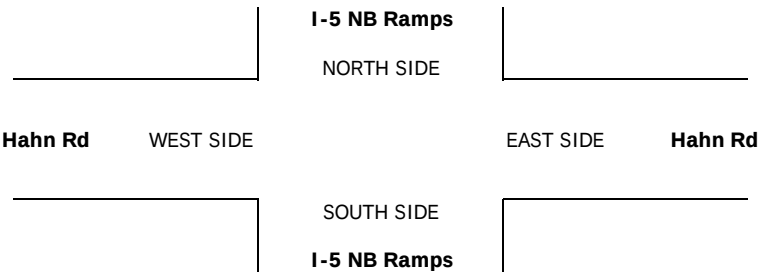
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	6
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP N

CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 0	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	1	0	0	0	0	0	0	0	3	0	4	0	0	0	0	0
	7:15 AM	2	0	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
	7:30 AM	0	0	2	0	0	0	0	0	0	0	4	1	7	0	0	0	0	0
	7:45 AM	0	1	2	0	0	0	0	0	0	0	3	0	6	0	0	0	0	0
	8:00 AM	0	0	1	0	0	0	0	3	0	0	3	1	8	0	0	0	0	0
	8:15 AM	0	0	3	0	0	0	0	1	0	0	3	0	7	0	0	0	0	0
	8:30 AM	0	1	6	0	0	0	0	2	0	0	4	0	13	0	0	0	0	0
	8:45 AM	0	0	2	0	0	0	0	3	0	0	3	1	9	0	0	0	0	0
	VOLUMES	2	2	18	0	0	0	0	9	0	0	23	3	57	0	0	0	0	0
	APPROACH %	9%	9%	82%	0%	0%	0%	0%	100%	0%	0%	88%	12%						
	APP/DEPART	22	/	5	0	/	0	9	/	27	26	/	25	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	1	12	0	0	0	0	9	0	0	13	2	37	0	0	0	0	
	APPROACH %	0%	8%	92%	0%	0%	0%	0%	100%	0%	0%	87%	13%						
	PEAK HR FACTOR		0.464			0.000			0.750			0.938		0.712					
	APP/DEPART	13	/	3	0	/	0	9	/	21	15	/	13	0					
PM	4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	4:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	4:45 PM	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	5:00 PM	0	0	1	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	1	0	0	2	0	3	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	VOLUMES	0	2	4	0	0	0	0	1	0	0	3	1	11	0	0	0	0	0
	APPROACH %	0%	33%	67%	0%	0%	0%	0%	100%	0%	0%	75%	25%						
	APP/DEPART	6	/	3	0	/	0	1	/	5	4	/	3	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	1	3	0	0	0	0	1	0	0	2	1	8	0	0	0	0	
	APPROACH %	0%	25%	75%	0%	0%	0%	0%	100%	0%	0%	67%	33%						
	PEAK HR FACTOR		0.500			0.000			0.250			0.375		0.667					
	APP/DEPART	4	/	2	0	/	0	1	/	4	3	/	2	0					



INTERSECTION TURNING MOVEMENT COUNTS

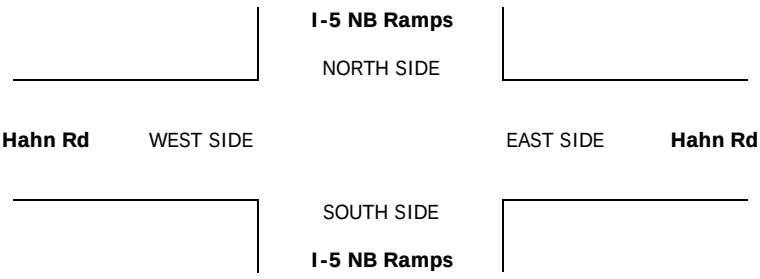
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	6
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP N

CLASS 5:	NOTES:
RV	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 0	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 NB Ramps	LOCATION #:	6
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP N

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL X	ST X	SR X	EL 0	ET 1	ER X	WL X	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					

I-5 NB Ramps

NORTH SIDE

Hahn Rd WEST SIDE EAST SIDE **Hahn Rd**

SOUTH SIDE

I-5 NB Ramps

INTERSECTION TURNING MOVEMENT COUNTS

T020624

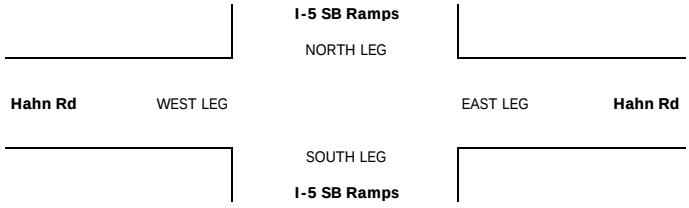
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
Tue, Jan 14, 25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	7
	EAST & WEST:	Hahn Rd	CONTROL:	STOP S

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

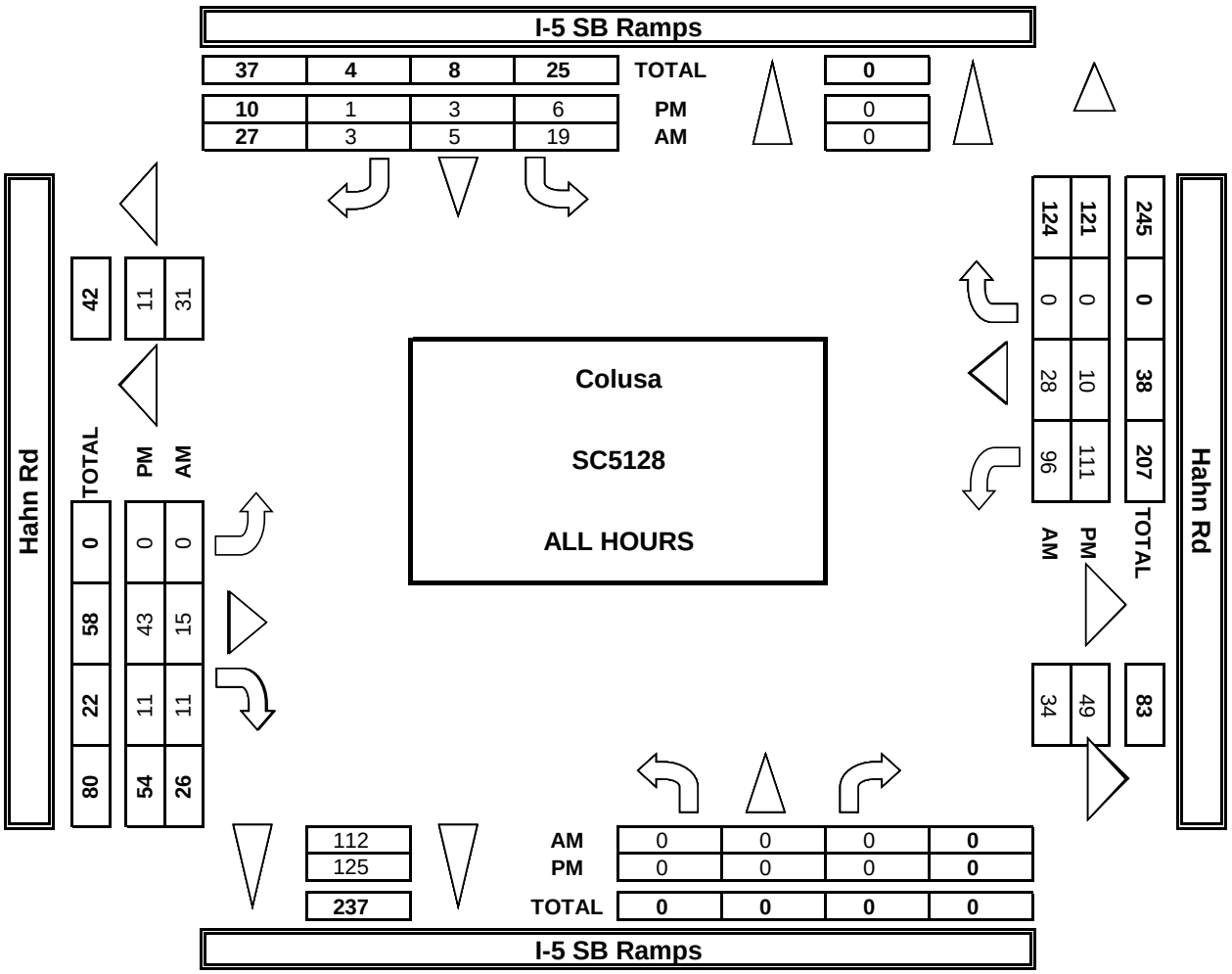
		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 0	WL 0	WT 1	WR X	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	1	1	1	0	2	1	10	8	0	24	0	0	0	0	0
	7:15 AM	0	0	0	1	1	0	0	2	0	11	5	0	20	0	0	0	0	0
	7:30 AM	0	0	0	2	1	0	0	2	0	11	3	0	19	0	0	0	0	0
	7:45 AM	0	0	0	0	1	0	0	0	3	10	0	0	14	0	0	0	0	0
	8:00 AM	0	0	0	4	1	1	0	2	1	14	4	0	27	0	0	0	0	0
	8:15 AM	0	0	0	4	0	0	0	4	0	16	2	0	26	0	0	0	0	0
	8:30 AM	0	0	0	3	0	1	0	0	5	9	2	0	20	0	0	0	0	0
	8:45 AM	0	0	0	4	0	0	0	3	1	15	4	0	27	0	0	0	0	0
	VOLUMES	0	0	0	19	5	3	0	15	11	96	28	0	177	0	0	0	0	0
	APPROACH %	0%	0%	0%	70%	19%	11%	0%	58%	42%	77%	23%	0%						
	APP/DEPART	0	/	0	27	/	112	26	/	34	124	/	31	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	15	1	2	0	9	7	54	12	0	100	0	0	0	0	
	APPROACH %	0%	0%	0%	83%	6%	11%	0%	56%	44%	82%	18%	0%						
	PEAK HR FACTOR		0.000			0.750			0.800			0.868		0.926					
	APP/DEPART	0	/	0	18	/	62	16	/	24	66	/	14	0					
PM	4:00 PM	0	0	0	2	0	0	0	3	2	10	0	0	17	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	1	0	11	0	0	12	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	3	2	15	1	0	21	0	0	0	0	0
	4:45 PM	0	0	0	0	1	0	0	1	2	16	1	0	21	0	0	0	0	0
	5:00 PM	0	0	0	1	1	0	0	34	4	13	2	0	55	0	0	0	0	0
	5:15 PM	0	0	0	2	0	0	0	1	0	19	3	0	25	0	0	0	0	0
	5:30 PM	0	0	0	0	1	1	0	0	1	15	2	0	20	0	0	0	0	0
	5:45 PM	0	0	0	1	0	0	0	0	0	12	1	0	14	0	0	0	0	0
	VOLUMES	0	0	0	6	3	1	0	43	11	111	10	0	185	0	0	0	0	0
	APPROACH %	0%	0%	0%	60%	30%	10%	0%	80%	20%	92%	8%	0%						
	APP/DEPART	0	/	0	10	/	125	54	/	49	121	/	11	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	3	2	0	0	39	8	63	7	0	122	0	0	0	0	
	APPROACH %	0%	0%	0%	60%	40%	0%	0%	83%	17%	90%	10%	0%						
	PEAK HR FACTOR		0.000			0.625			0.309			0.795		0.555					
	APP/DEPART	0	/	0	5	/	73	47	/	42	70	/	7	0					

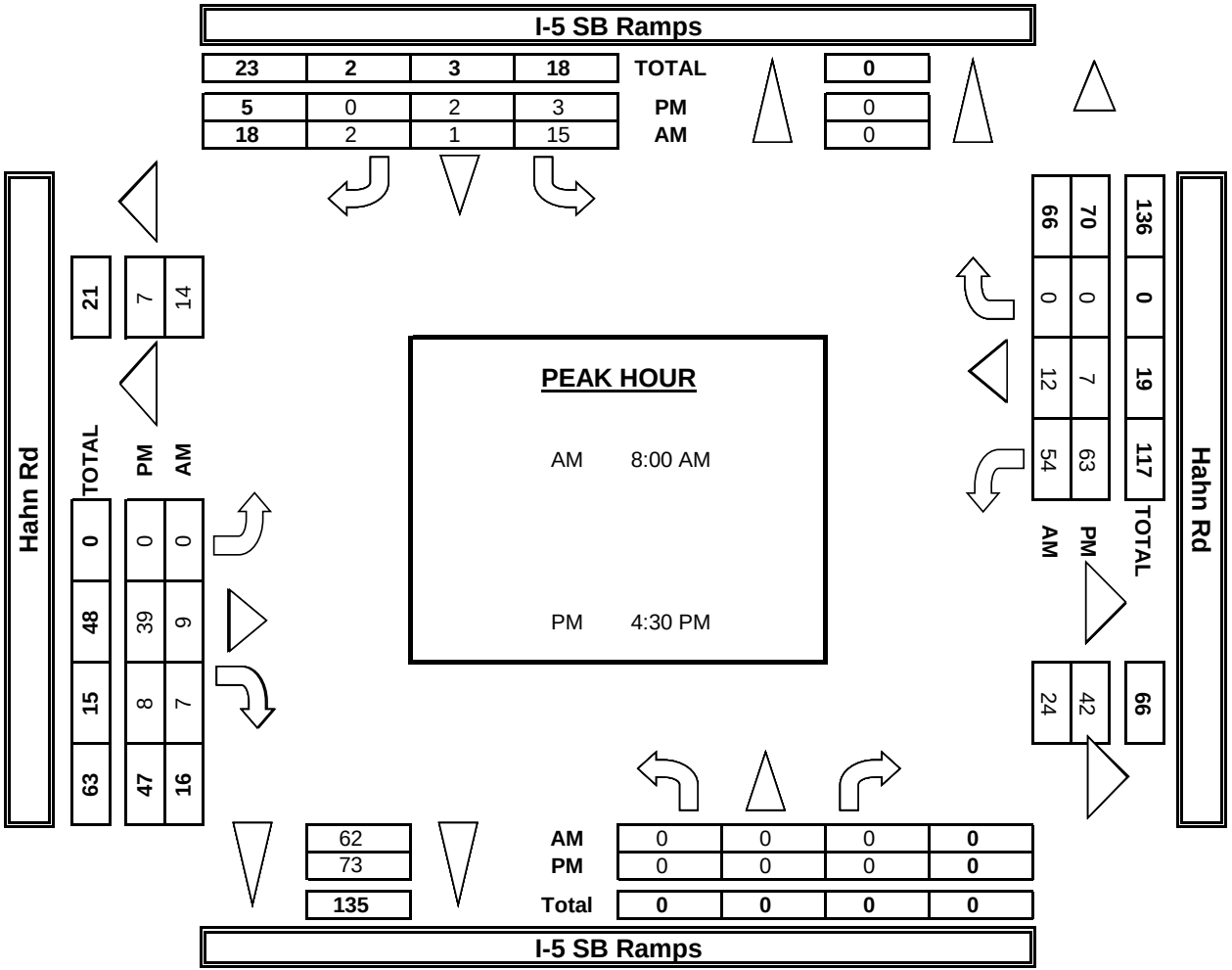


		ALL PED + BIKE & SCOOTER					PEDESTRIAN CROSSINGS					BICYCLE & SCOOTER CROSSINGS				
		N LEG	S LEG	E LEG	W LEG	TOTAL	N LEG	S LEG	E LEG	W LEG	TOTAL	NL	SL	EL	WL	TOTAL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:					
1/14/25	LOCATION:	Colusa	PROJECT #:	SC5128	
TUESDAY	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	7	
	EAST & WEST:	Hahn Rd	CONTROL:	STOP S	

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM PM MD OTHER OTHER	▲ N ◄ W E ► S ▼	
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 0	WL 0	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	1	3	1	0	2	1	15	11	0	33					0
	7:15 AM	0	0	0	1	2	0	0	2	0	14	7	0	25					0
	7:30 AM	0	0	0	2	1	0	0	3	0	15	7	0	28					0
	7:45 AM	0	0	0	0	2	0	0	0	4	17	0	0	22					0
	8:00 AM	0	0	0	10	3	2	0	2	1	21	5	0	43					0
	8:15 AM	0	0	0	6	0	0	0	5	0	22	3	0	35					0
	8:30 AM	0	0	0	7	0	1	0	0	13	17	3	0	41					0
	8:45 AM	0	0	0	10	0	0	0	5	1	23	5	0	43					0
	VOLUMES	0	0	0	37	10	4	0	18	20	142	39	0	269	0	0	0	0	0
	APPROACH %	0%	0%	0%	73%	20%	7%	0%	48%	52%	78%	22%	0%						
	APP/DEPART	0	/	0	51	/	172	38	/	55	181	/	43	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	33	3	3	0	12	15	83	15	0	162					
	APPROACH %	0%	0%	0%	86%	8%	6%	0%	43%	57%	85%	15%	0%						
	PEAK HR FACTOR		0.000			0.664			0.510			0.898		0.942					
	APP/DEPART	0	/	0	39	/	101	27	/	45	97	/	17	0					
PM	4:00 PM	0	0	0	2	0	0	0	4	3	12	0	0	20					0
	4:15 PM	0	0	0	0	0	0	0	1	0	14	0	0	15					0
	4:30 PM	0	0	0	0	0	0	0	4	2	16	2	0	23					0
	4:45 PM	0	0	0	0	3	0	0	1	2	17	1	0	24					0
	5:00 PM	0	0	0	1	1	0	0	34	4	14	3	0	57					0
	5:15 PM	0	0	0	4	0	0	0	2	0	22	6	0	33					0
	5:30 PM	0	0	0	0	1	2	0	0	1	16	2	0	21					0
	5:45 PM	0	0	0	1	0	0	0	0	0	13	2	0	15					0
	VOLUMES	0	0	0	8	5	2	0	45	12	121	15	0	206	0	0	0	0	0
	APPROACH %	0%	0%	0%	55%	34%	10%	0%	79%	21%	89%	11%	0%						
	APP/DEPART	0	/	0	15	/	138	56	/	53	136	/	16	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	5	4	0	0	40	8	68	11	0	136					
	APPROACH %	0%	0%	0%	56%	44%	0%	0%	83%	17%	86%	14%	0%						
	PEAK HR FACTOR		0.000			0.563			0.316			0.727		0.600					
	APP/DEPART	0	/	0	9	/	80	48	/	45	79	/	11	0					

I-5 SB Ramps

NORTH SIDE

Hahn Rd WEST SIDE EAST SIDE **Hahn Rd**

SOUTH SIDE

I-5 SB Ramps

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

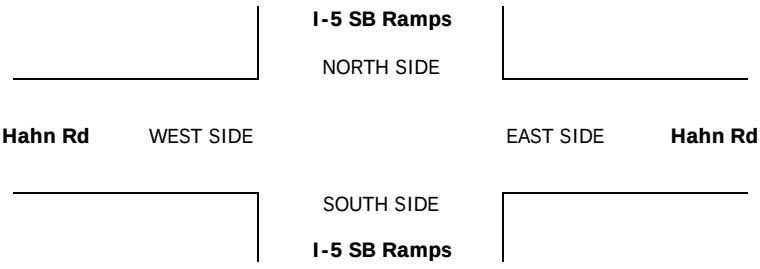
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	7
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP S

CLASS 1: PASSENGER VEHICLES

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 0	WL 0	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	1	0	1	0	2	1	7	6	0	18	0	0	0	0	0
	7:15 AM	0	0	0	1	0	0	0	2	0	9	4	0	16	0	0	0	0	0
	7:30 AM	0	0	0	2	1	0	0	1	0	9	1	0	14	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	2	6	0	0	8	0	0	0	0	0
	8:00 AM	0	0	0	1	0	0	0	2	1	10	3	0	17	0	0	0	0	0
	8:15 AM	0	0	0	3	0	0	0	3	0	13	1	0	20	0	0	0	0	0
	8:30 AM	0	0	0	1	0	1	0	0	1	5	0	0	8	0	0	0	0	0
	8:45 AM	0	0	0	1	0	0	0	0	1	9	3	0	14	0	0	0	0	0
	VOLUMES	0	0	0	10	1	2	0	10	6	68	18	0	115	0	0	0	0	0
	APPROACH %	0%	0%	0%	77%	8%	15%	0%	63%	38%	79%	21%	0%						
	APP/DEPART	0	/	0	13	/	75	16	/	20	86	/	20	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	6	0	1	0	5	3	37	7	0	59	0	0	0	0	
	APPROACH %	0%	0%	0%	86%	0%	14%	0%	63%	38%	84%	16%	0%						
	PEAK HR FACTOR		0.000			0.583			0.667			0.786		0.738					
	APP/DEPART	0	/	0	7	/	40	8	/	11	44	/	8	0					
PM	4:00 PM	0	0	0	2	0	0	0	2	1	7	0	0	12	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	1	0	9	0	0	10	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	2	2	13	0	0	17	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	1	2	15	1	0	19	0	0	0	0	0
	5:00 PM	0	0	0	1	1	0	0	34	4	12	1	0	53	0	0	0	0	0
	5:15 PM	0	0	0	1	0	0	0	0	0	17	1	0	19	0	0	0	0	0
	5:30 PM	0	0	0	0	1	0	0	0	1	14	2	0	18	0	0	0	0	0
	5:45 PM	0	0	0	1	0	0	0	0	0	11	0	0	12	0	0	0	0	0
	VOLUMES	0	0	0	5	2	0	0	40	10	98	5	0	160	0	0	0	0	0
	APPROACH %	0%	0%	0%	71%	29%	0%	0%	80%	20%	95%	5%	0%						
	APP/DEPART	0	/	0	7	/	110	50	/	45	103	/	5	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	2	1	0	0	37	8	57	3	0	108	0	0	0	0	
	APPROACH %	0%	0%	0%	67%	33%	0%	0%	82%	18%	95%	5%	0%						
	PEAK HR FACTOR		0.000			0.375			0.296			0.833		0.509					
	APP/DEPART	0	/	0	3	/	66	45	/	39	60	/	3	0					



INTERSECTION TURNING MOVEMENT COUNTS

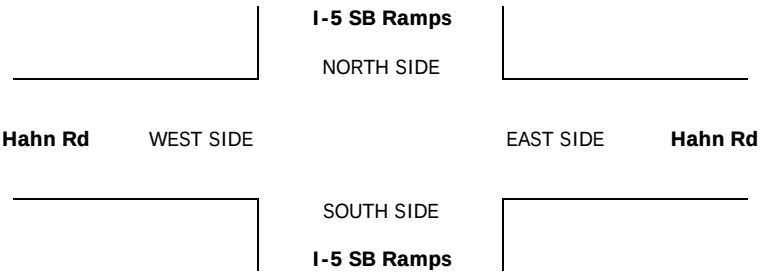
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	7
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP S

CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 0	WL 0	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0
	7:15 AM	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	7:45 AM	0	0	0	0	1	0	0	0	1	1	0	0	3	0	0	0	0	0
	8:00 AM	0	0	0	0	0	1	0	0	0	0	1	0	2	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	2	0	3	1	0	6	0	0	0	0	0
	VOLUMES	0	0	0	0	2	1	0	4	1	6	6	0	20	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	67%	33%	0%	80%	20%	50%	50%	0%						
	APP/DEPART	0	/	0	3	/	9	5	/	4	12	/	7	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	0	0	1	0	3	0	3	5	0	12	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	38%	63%	0%						
	PEAK HR FACTOR		0.000			0.250			0.375			0.500		0.500					
	APP/DEPART	0	/	0	1	/	3	3	/	3	8	/	6	0					
PM	4:00 PM	0	0	0	0	0	0	0	1	1	2	0	0	4	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	1	0	2	1	0	4	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	1	0	1	1	0	3	0	0	0	0	0
	5:30 PM	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0
	VOLUMES	0	0	0	0	0	1	0	3	1	10	3	0	18	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	75%	25%	77%	23%	0%						
	APP/DEPART	0	/	0	1	/	11	4	/	3	13	/	4	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	2	0	5	2	0	9	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	71%	29%	0%						
	PEAK HR FACTOR		0.000			0.000			0.500			0.583		0.563					
	APP/DEPART	0	/	0	0	/	5	2	/	2	7	/	2	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

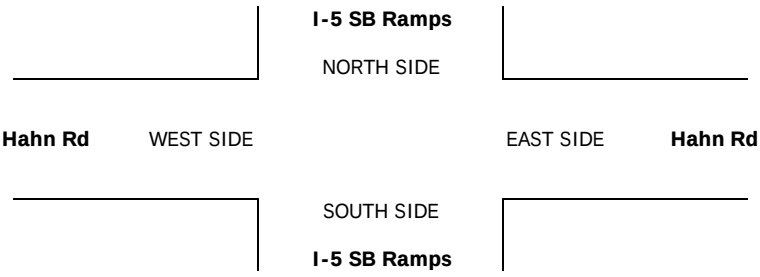
DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	7
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP S

CLASS 3: 3-AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 0	WL 0	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%						
	APP/DEPART	0	/	0	0	/	1	1	/	1	1	/	0	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.250			0.250		0.500					
	APP/DEPART	0	/	0	0	/	1	1	/	1	1	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%						
	APP/DEPART	0	/	0	0	/	1	0	/	0	2	/	1	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.250		0.250					
	APP/DEPART	0	/	0	0	/	0	0	/	0	1	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	7
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP S

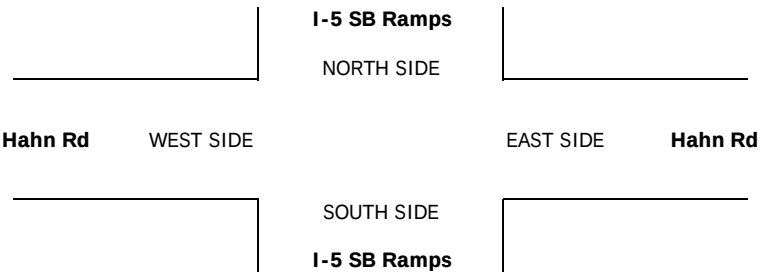
CLASS 4: 4 OR MORE AXLE TRUCKS

NOTES:

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 0	WL 0	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	1	0	0	0	0	2	1	0	4	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	2	2	0	4	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0
	8:00 AM	0	0	0	3	1	0	0	0	0	3	0	0	7	0	0	0	0	0
	8:15 AM	0	0	0	1	0	0	0	0	0	3	0	0	4	0	0	0	0	0
	8:30 AM	0	0	0	2	0	0	0	0	4	4	0	0	10	0	0	0	0	0
	8:45 AM	0	0	0	3	0	0	0	0	0	3	0	0	6	0	0	0	0	0
	VOLUMES	0	0	0	9	2	0	0	0	4	21	4	0	40	0	0	0	0	0
	APPROACH %	0%	0%	0%	82%	18%	0%	0%	0%	100%	84%	16%	0%						
	APP/DEPART	0	/	0	11	/	27	4	/	9	25	/	4	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	9	1	0	0	0	4	13	0	0	27	0	0	0	0	
	APPROACH %	0%	0%	0%	90%	10%	0%	0%	0%	100%	100%	0%	0%						
	PEAK HR FACTOR		0.000			0.625			0.250			0.813		0.675					
	APP/DEPART	0	/	0	10	/	18	4	/	9	13	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	1	0	0	0	0	0	1	1	0	3	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	1	1	0	0	0	0	2	1	0	5	0	0	0	0	0
	APPROACH %	0%	0%	0%	50%	50%	0%	0%	0%	0%	67%	33%	0%						
	APP/DEPART	0	/	0	2	/	3	0	/	1	3	/	1	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	1	1	0	0	0	0	1	1	0	4	0	0	0	0	
	APPROACH %	0%	0%	0%	50%	50%	0%	0%	0%	0%	50%	50%	0%						
	PEAK HR FACTOR		0.000			0.500			0.000			0.250		0.333					
	APP/DEPART	0	/	0	2	/	2	0	/	1	2	/	1	0					



INTERSECTION TURNING MOVEMENT COUNTS

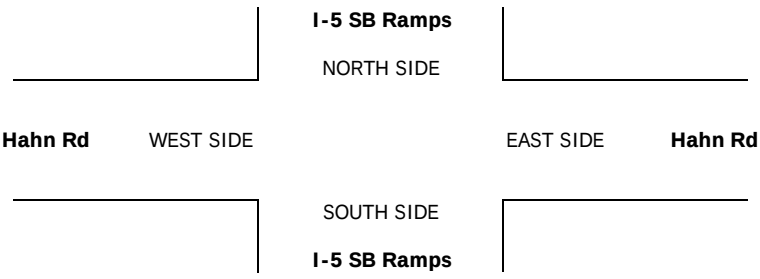
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	7
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP S

CLASS 5:	NOTES:
RV	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
	LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 0	WL 0	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Colusa	PROJECT #:	SC5128
1/14/25	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	7
TUESDAY	EAST & WEST:	Hahn Rd	CONTROL:	STOP S

CLASS 6:	NOTES:
BUSES	

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

	NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND Hahn Rd			WESTBOUND Hahn Rd				U-TURNS				
LANES:	NL X	NT X	NR X	SL 0	ST 1	SR 0	EL X	ET 1	ER 0	WL 0	WT 1	WR X	TOTAL	NB	SB	EB	WB	TTL
AM																		
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
BEGIN PEAK HR		8:00 AM																
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
PM																		
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					
BEGIN PEAK HR		4:30 PM																
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%						
PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000					
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0					

I-5 SB Ramps

NORTH SIDE

Hahn Rd WEST SIDE EAST SIDE **Hahn Rd**

SOUTH SIDE

I-5 SB Ramps

Appendix B
LOS Worksheets

Intersection	
Int Delay, s/veh	3.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	29	178	0	0	264	92	94	3	121	0	0	0
Future Vol, veh/h	29	178	0	0	264	92	94	3	121	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	105	-	-	-	-	-	-	-	25	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	30	185	0	0	275	96	98	3	126	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	371	0	-	-	-	0	521	617	185
Stage 1	-	-	-	-	-	-	246	246	-
Stage 2	-	-	-	-	-	-	275	371	-
Critical Hdwy	4.12	-	-	-	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	-	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1188	-	0	0	-	-	516	406	857
Stage 1	-	-	0	0	-	-	795	703	-
Stage 2	-	-	0	0	-	-	771	620	-
Platoon blocked, %		-			-	-			
Mov Cap-1 Maneuver	1188	-	-	-	-	-	503	0	857
Mov Cap-2 Maneuver	-	-	-	-	-	-	503	0	-
Stage 1	-	-	-	-	-	-	775	0	-
Stage 2	-	-	-	-	-	-	771	0	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	1.14	0	11.72
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	WBT	WBR
Capacity (veh/h)	503	857	1188	-	-	-
HCM Lane V/C Ratio	0.201	0.147	0.025	-	-	-
HCM Ctrl Dly (s/v)	14	9.9	8.1	-	-	-
HCM Lane LOS	B	A	A	-	-	-
HCM 95th %tile Q(veh)	0.7	0.5	0.1	-	-	-

Intersection	
Int Delay, s/veh	3.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	153	71	112	243	0	0	0	0	56	1	77
Future Vol, veh/h	0	153	71	112	243	0	0	0	0	56	1	77
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	None	-	-	None	-	-	None
Storage Length	-	-	250	100	-	-	-	-	-	-	-	35
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	170	79	124	270	0	0	0	0	62	1	86

Major/Minor	Major1			Major2			Minor2		
Conflicting Flow All	-	0	0	170	0	0	689	689	270
Stage 1	-	-	-	-	-	-	519	519	-
Stage 2	-	-	-	-	-	-	170	170	-
Critical Hdwy	-	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	-	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	0	-	-	1407	-	0	412	369	769
Stage 1	0	-	-	-	-	0	597	533	-
Stage 2	0	-	-	-	-	0	860	758	-
Platoon blocked, %		-	-		-				
Mov Cap-1 Maneuver	-	-	-	1407	-	-	375	0	769
Mov Cap-2 Maneuver	-	-	-	-	-	-	375	0	-
Stage 1	-	-	-	-	-	-	597	0	-
Stage 2	-	-	-	-	-	-	784	0	-

Approach	EB	WB	SB
HCM Ctrl Dly, s/v	0	2.46	12.93
HCM LOS			B

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1407	-	375	769
HCM Lane V/C Ratio	-	-	0.088	-	0.169	0.111
HCM Ctrl Dly (s/v)	-	-	7.8	-	16.5	10.3
HCM Lane LOS	-	-	A	-	C	B
HCM 95th %tile Q(veh)	-	-	0.3	-	0.6	0.4

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↰	↱		↕	
Traffic Vol, veh/h	0	140	2	8	199	0	0	1	13	0	0	0
Future Vol, veh/h	0	140	2	8	199	0	0	1	13	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	25	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	86	86	86	86	86	86	86	86	86	86	86	86
Heavy Vehicles, %	0	2	2	2	2	0	2	0	2	0	0	0
Mvmt Flow	0	163	2	9	231	0	0	1	15	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	231	0	0	165	0	0	414	414	164	413	415	231
Stage 1	-	-	-	-	-	-	164	164	-	250	250	-
Stage 2	-	-	-	-	-	-	250	250	-	163	165	-
Critical Hdwy	4.1	-	-	4.12	-	-	7.12	6.5	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.218	-	-	3.518	4	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	1348	-	-	1413	-	-	549	532	881	553	531	813
Stage 1	-	-	-	-	-	-	838	766	-	759	704	-
Stage 2	-	-	-	-	-	-	754	704	-	843	765	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1348	-	-	1413	-	-	545	528	881	538	527	813
Mov Cap-2 Maneuver	-	-	-	-	-	-	545	528	-	538	527	-
Stage 1	-	-	-	-	-	-	838	766	-	753	698	-
Stage 2	-	-	-	-	-	-	748	698	-	828	765	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	0	0.29	9.35	0
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	528	881	1348	-	-	70	-	-	-
HCM Lane V/C Ratio	0.002	0.017	-	-	-	0.007	-	-	-
HCM Ctrl Dly (s/v)	11.8	9.2	0	-	-	7.6	0	-	0
HCM Lane LOS	B	A	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0	0.1	0	-	-	0	-	-	-

Intersection	
Int Delay, s/veh	3.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	4	9	24	10	2	11	62	15	4	46	0
Future Vol, veh/h	0	4	9	24	10	2	11	62	15	4	46	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	80	80	80	80	80	80	80	80	80	80	80	80
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	5	11	30	13	3	14	78	19	5	58	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	179	191	58	184	182	87	58	0	0	96	0	0
Stage 1	68	68	-	114	114	-	-	-	-	-	-	-
Stage 2	111	124	-	70	68	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	783	704	1009	777	712	972	1547	-	-	1497	-	-
Stage 1	943	839	-	890	801	-	-	-	-	-	-	-
Stage 2	894	793	-	940	839	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	758	695	1009	753	703	972	1547	-	-	1497	-	-
Mov Cap-2 Maneuver	758	695	-	753	703	-	-	-	-	-	-	-
Stage 1	940	836	-	882	793	-	-	-	-	-	-	-
Stage 2	869	786	-	921	836	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	9.14	10.13	0.92	0.59
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	217	-	-	886	747	144	-	-
HCM Lane V/C Ratio	0.009	-	-	0.018	0.06	0.003	-	-
HCM Ctrl Dly (s/v)	7.3	0	-	9.1	10.1	7.4	0	-
HCM Lane LOS	A	A	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0.2	0	-	-

Intersection	
Intersection Delay, s/veh	8.7
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	33	60	15	57	48	15	7	52	78	16	41	47
Future Vol, veh/h	33	60	15	57	48	15	7	52	78	16	41	47
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	37	67	17	63	53	17	8	58	87	18	46	52
Number of Lanes	0	1	1	0	1	1	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	2
HCM Control Delay, s/veh	9.1	9.3	8.2	8.3
HCM LOS	A	A	A	A

Lane	NBLn1	NBLn2	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	12%	0%	35%	0%	54%	0%	28%	0%
Vol Thru, %	88%	0%	65%	0%	46%	0%	72%	0%
Vol Right, %	0%	100%	0%	100%	0%	100%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	59	78	93	15	105	15	57	47
LT Vol	7	0	33	0	57	0	16	0
Through Vol	52	0	60	0	48	0	41	0
RT Vol	0	78	0	15	0	15	0	47
Lane Flow Rate	66	87	103	17	117	17	63	52
Geometry Grp	5	5	5	5	5	5	5	5
Degree of Util (X)	0.098	0.111	0.158	0.021	0.181	0.021	0.097	0.068
Departure Headway (Hd)	5.387	4.623	5.503	4.62	5.58	4.603	5.503	4.658
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	663	772	650	771	642	774	650	766
Service Time	3.132	2.368	3.253	2.37	3.329	2.352	3.249	2.403
HCM Lane V/C Ratio	0.1	0.113	0.158	0.022	0.182	0.022	0.097	0.068
HCM Control Delay, s/veh	8.7	7.9	9.3	7.5	9.6	7.5	8.8	7.7
HCM Lane LOS	A	A	A	A	A	A	A	A
HCM 95th-tile Q	0.3	0.4	0.6	0.1	0.7	0.1	0.3	0.2

Intersection	
Int Delay, s/veh	3.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	44	0	0	95	12	4	5	85	0	0	0
Future Vol, veh/h	0	44	0	0	95	12	4	5	85	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	30	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	47	0	0	101	13	4	5	90	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	114	0	-	-	-	0	148	161	47
Stage 1	-	-	-	-	-	-	47	47	-
Stage 2	-	-	-	-	-	-	101	114	-
Critical Hdwy	4.12	-	-	-	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	-	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1475	-	0	0	-	-	844	732	1022
Stage 1	-	-	0	0	-	-	976	856	-
Stage 2	-	-	0	0	-	-	923	801	-
Platoon blocked, %		-			-	-			
Mov Cap-1 Maneuver	1475	-	-	-	-	-	844	0	1022
Mov Cap-2 Maneuver	-	-	-	-	-	-	844	0	-
Stage 1	-	-	-	-	-	-	976	0	-
Stage 2	-	-	-	-	-	-	923	0	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	0	0	8.91
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	WBT	WBR
Capacity (veh/h)	844	1022	1475	-	-	-
HCM Lane V/C Ratio	0.011	0.088	-	-	-	-
HCM Ctrl Dly (s/v)	9.3	8.9	0	-	-	-
HCM Lane LOS	A	A	A	-	-	-
HCM 95th %tile Q(veh)	0	0.3	0	-	-	-

Intersection	
Int Delay, s/veh	6.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	12	15	83	15	0	0	0	0	33	3	3
Future Vol, veh/h	0	12	15	83	15	0	0	0	0	33	3	3
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	13	16	88	16	0	0	0	0	35	3	3

Major/Minor	Major1			Major2					Minor2		
Conflicting Flow All	-	0	0	29	0	0			205	221	16
Stage 1	-	-	-	-	-	-			193	193	-
Stage 2	-	-	-	-	-	-			13	29	-
Critical Hdwy	-	-	-	4.12	-	-			6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-			5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-			5.42	5.52	-
Follow-up Hdwy	-	-	-	2.218	-	-			3.518	4.018	3.318
Pot Cap-1 Maneuver	0	-	-	1585	-	0			783	677	1063
Stage 1	0	-	-	-	-	0			840	741	-
Stage 2	0	-	-	-	-	0			1010	871	-
Platoon blocked, %		-	-		-						
Mov Cap-1 Maneuver	-	-	-	1585	-	-			739	0	1063
Mov Cap-2 Maneuver	-	-	-	-	-	-			739	0	-
Stage 1	-	-	-	-	-	-			840	0	-
Stage 2	-	-	-	-	-	-			953	0	-

Approach	EB	WB	SB
HCM Ctrl Dly, s/v	0	6.27	10
HCM LOS			B

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1524	-	739	1063
HCM Lane V/C Ratio	-	-	0.056	-	0.052	0.003
HCM Ctrl Dly (s/v)	-	-	7.4	0	10.1	8.4
HCM Lane LOS	-	-	A	A	B	A
HCM 95th %tile Q(veh)	-	-	0.2	-	0.2	0

Intersection	
Int Delay, s/veh	3.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	35	263	0	0	231	68	77	0	149	0	0	0
Future Vol, veh/h	35	263	0	0	231	68	77	0	149	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	105	-	-	-	-	-	-	-	25	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	39	292	0	0	257	76	86	0	166	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	332	0	-	-	-	0	627	702	292
Stage 1	-	-	-	-	-	-	370	370	-
Stage 2	-	-	-	-	-	-	257	332	-
Critical Hdwy	4.12	-	-	-	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	-	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1227	-	0	0	-	-	448	362	747
Stage 1	-	-	0	0	-	-	699	620	-
Stage 2	-	-	0	0	-	-	786	644	-
Platoon blocked, %		-			-	-			
Mov Cap-1 Maneuver	1227	-	-	-	-	-	433	0	747
Mov Cap-2 Maneuver	-	-	-	-	-	-	433	0	-
Stage 1	-	-	-	-	-	-	676	0	-
Stage 2	-	-	-	-	-	-	786	0	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	0.94	0	12.6
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	WBT	WBR
Capacity (veh/h)	433	747	1227	-	-	-
HCM Lane V/C Ratio	0.197	0.222	0.032	-	-	-
HCM Ctrl Dly (s/v)	15.3	11.2	8	-	-	-
HCM Lane LOS	C	B	A	-	-	-
HCM 95th %tile Q(veh)	0.7	0.8	0.1	-	-	-

Intersection	
Int Delay, s/veh	3.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	235	152	116	191	0	0	0	0	65	0	35
Future Vol, veh/h	0	235	152	116	191	0	0	0	0	65	0	35
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	None	-	-	None	-	-	None
Storage Length	-	-	250	100	-	-	-	-	-	-	-	35
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	267	173	132	217	0	0	0	0	74	0	40

Major/Minor	Major1			Major2			Minor2		
Conflicting Flow All	-	0	0	267	0	0	748	748	217
Stage 1	-	-	-	-	-	-	481	481	-
Stage 2	-	-	-	-	-	-	267	267	-
Critical Hdwy	-	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	-	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	0	-	-	1297	-	0	380	341	823
Stage 1	0	-	-	-	-	0	622	554	-
Stage 2	0	-	-	-	-	0	778	688	-
Platoon blocked, %		-	-		-				
Mov Cap-1 Maneuver	-	-	-	1297	-	-	342	0	823
Mov Cap-2 Maneuver	-	-	-	-	-	-	342	0	-
Stage 1	-	-	-	-	-	-	622	0	-
Stage 2	-	-	-	-	-	-	699	0	-

Approach	EB	WB	SB
HCM Ctrl Dly, s/v	0	3.06	15.34
HCM LOS			C

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1297	-	342	823
HCM Lane V/C Ratio	-	-	0.102	-	0.216	0.048
HCM Ctrl Dly (s/v)	-	-	8.1	-	18.4	9.6
HCM Lane LOS	-	-	A	-	C	A
HCM 95th %tile Q(veh)	-	-	0.3	-	0.8	0.2

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↰	↱		↕	
Traffic Vol, veh/h	0	290	2	4	130	0	1	1	18	0	0	0
Future Vol, veh/h	0	290	2	4	130	0	1	1	18	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	25	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	83	83	83	83	83	83	83	83	83	83	83	83
Heavy Vehicles, %	0	2	2	2	2	0	2	0	2	0	0	0
Mvmt Flow	0	349	2	5	157	0	1	1	22	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	157	0	0	352	0	0	517	517	351	516	518	157
Stage 1	-	-	-	-	-	-	351	351	-	166	166	-
Stage 2	-	-	-	-	-	-	166	166	-	350	352	-
Critical Hdwy	4.1	-	-	4.12	-	-	7.12	6.5	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.218	-	-	3.518	4	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	1436	-	-	1207	-	-	469	465	693	473	465	894
Stage 1	-	-	-	-	-	-	666	636	-	840	765	-
Stage 2	-	-	-	-	-	-	836	765	-	671	635	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1436	-	-	1207	-	-	467	463	693	455	463	894
Mov Cap-2 Maneuver	-	-	-	-	-	-	467	463	-	455	463	-
Stage 1	-	-	-	-	-	-	666	636	-	837	761	-
Stage 2	-	-	-	-	-	-	832	761	-	648	635	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	0	0.24	10.61	0
HCM LOS			B	A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	465	693	1436	-	-	54	-	-	-
HCM Lane V/C Ratio	0.005	0.031	-	-	-	0.004	-	-	-
HCM Ctrl Dly (s/v)	12.8	10.4	0	-	-	8	0	-	0
HCM Lane LOS	B	B	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0	0.1	0	-	-	0	-	-	-

Intersection	
Int Delay, s/veh	3.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	14	14	13	9	11	16	67	4	0	47	0
Future Vol, veh/h	0	14	14	13	9	11	16	67	4	0	47	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	82	82	82	82	82	82	82	82	82	82	82	82
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	17	17	16	11	13	20	82	5	0	57	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	184	183	57	189	180	84	57	0	0	87	0	0
Stage 1	57	57	-	123	123	-	-	-	-	-	-	-
Stage 2	126	126	-	66	57	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	778	711	1009	771	713	975	1547	-	-	1510	-	-
Stage 1	955	847	-	881	794	-	-	-	-	-	-	-
Stage 2	878	792	-	945	847	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	745	702	1009	730	704	975	1547	-	-	1510	-	-
Mov Cap-2 Maneuver	745	702	-	730	704	-	-	-	-	-	-	-
Stage 1	955	847	-	869	783	-	-	-	-	-	-	-
Stage 2	842	782	-	910	847	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	9.54	9.81	1.35	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	327	-	-	828	788	1510	-	-
HCM Lane V/C Ratio	0.013	-	-	0.041	0.051	-	-	-
HCM Ctrl Dly (s/v)	7.4	0	-	9.5	9.8	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0.2	0	-	-

Intersection	
Intersection Delay, s/veh	9.2
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	97	11	60	70	14	23	61	79	5	51	8
Future Vol, veh/h	3	97	11	60	70	14	23	61	79	5	51	8
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	4	117	13	72	84	17	28	73	95	6	61	10
Number of Lanes	0	1	1	0	1	1	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	2
HCM Control Delay, s/veh	9.2	9.9	8.8	8.8
HCM LOS	A	A	A	A

Lane	NBLn1	NBLn2	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	27%	0%	3%	0%	46%	0%	9%	0%
Vol Thru, %	73%	0%	97%	0%	54%	0%	91%	0%
Vol Right, %	0%	100%	0%	100%	0%	100%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	84	79	100	11	130	14	56	8
LT Vol	23	0	3	0	60	0	5	0
Through Vol	61	0	97	0	70	0	51	0
RT Vol	0	79	0	11	0	14	0	8
Lane Flow Rate	101	95	120	13	157	17	67	10
Geometry Grp	5	5	5	5	5	5	5	5
Degree of Util (X)	0.157	0.125	0.182	0.017	0.243	0.022	0.105	0.013
Departure Headway (Hd)	5.573	4.73	5.428	4.708	5.595	4.658	5.611	4.86
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	642	754	658	755	639	763	635	731
Service Time	3.327	2.484	3.19	2.47	3.354	2.417	3.377	2.626
HCM Lane V/C Ratio	0.157	0.126	0.182	0.017	0.246	0.022	0.106	0.014
HCM Control Delay, s/veh	9.4	8.2	9.4	7.6	10.2	7.5	9	7.7
HCM Lane LOS	A	A	A	A	B	A	A	A
HCM 95th-tile Q	0.6	0.4	0.7	0.1	0.9	0.1	0.4	0

Intersection	
Int Delay, s/veh	3.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	11	34	0	0	79	21	1	4	77	0	0	0
Future Vol, veh/h	11	34	0	0	79	21	1	4	77	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	30	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	67	67	67	67	67	67	67	67	67	67	67	67
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	16	51	0	0	118	31	1	6	115	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	149	0	-	-	-	0	201	233	51
Stage 1	-	-	-	-	-	-	84	84	-
Stage 2	-	-	-	-	-	-	118	149	-
Critical Hdwy	4.12	-	-	-	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	-	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1432	-	0	0	-	-	787	667	1017
Stage 1	-	-	0	0	-	-	940	826	-
Stage 2	-	-	0	0	-	-	907	774	-
Platoon blocked, %		-			-	-			
Mov Cap-1 Maneuver	1432	-	-	-	-	-	778	0	1017
Mov Cap-2 Maneuver	-	-	-	-	-	-	778	0	-
Stage 1	-	-	-	-	-	-	929	0	-
Stage 2	-	-	-	-	-	-	907	0	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	1.84	0	9.03
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	WBT	WBR
Capacity (veh/h)	778	1017	440	-	-	-
HCM Lane V/C Ratio	0.01	0.113	0.011	-	-	-
HCM Ctrl Dly (s/v)	9.7	9	7.5	0	-	-
HCM Lane LOS	A	A	A	A	-	-
HCM 95th %tile Q(veh)	0	0.4	0	-	-	-

Intersection	
Int Delay, s/veh	4.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	40	8	68	11	0	0	0	0	5	4	0
Future Vol, veh/h	0	40	8	68	11	0	0	0	0	5	4	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	60	60	60	60	60	60	60	60	60	60	60	60
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	67	13	113	18	0	0	0	0	8	7	0

Major/Minor	Major1			Major2					Minor2		
Conflicting Flow All	-	0	0	80	0	0			312	325	18
Stage 1	-	-	-	-	-	-			245	245	-
Stage 2	-	-	-	-	-	-			67	80	-
Critical Hdwy	-	-	-	4.12	-	-			6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-			5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-			5.42	5.52	-
Follow-up Hdwy	-	-	-	2.218	-	-			3.518	4.018	3.318
Pot Cap-1 Maneuver	0	-	-	1518	-	0			681	593	1060
Stage 1	0	-	-	-	-	0			796	703	-
Stage 2	0	-	-	-	-	0			956	828	-
Platoon blocked, %		-	-		-						
Mov Cap-1 Maneuver	-	-	-	1518	-	-			630	0	1060
Mov Cap-2 Maneuver	-	-	-	-	-	-			630	0	-
Stage 1	-	-	-	-	-	-			796	0	-
Stage 2	-	-	-	-	-	-			884	0	-

Approach	EB	WB	SB
HCM Ctrl Dly, s/v	0	6.51	10.86
HCM LOS			B

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1502	-	630	-
HCM Lane V/C Ratio	-	-	0.075	-	0.024	-
HCM Ctrl Dly (s/v)	-	-	7.6	0	10.9	0
HCM Lane LOS	-	-	A	A	B	A
HCM 95th %tile Q(veh)	-	-	0.2	-	0.1	-

Intersection	
Int Delay, s/veh	3.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	29	182	0	0	303	92	94	3	121	0	0	0
Future Vol, veh/h	29	182	0	0	303	92	94	3	121	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	105	-	-	-	-	-	-	-	25	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	30	190	0	0	316	96	98	3	126	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	411	0	-	-	-	0	566	661	190
Stage 1	-	-	-	-	-	-	250	250	-
Stage 2	-	-	-	-	-	-	316	411	-
Critical Hdwy	4.12	-	-	-	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	-	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1147	-	0	0	-	-	486	382	852
Stage 1	-	-	0	0	-	-	792	700	-
Stage 2	-	-	0	0	-	-	739	595	-
Platoon blocked, %		-			-	-			
Mov Cap-1 Maneuver	1147	-	-	-	-	-	473	0	852
Mov Cap-2 Maneuver	-	-	-	-	-	-	473	0	-
Stage 1	-	-	-	-	-	-	771	0	-
Stage 2	-	-	-	-	-	-	739	0	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	1.13	0	12.05
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	WBT	WBR
Capacity (veh/h)	473	852	1147	-	-	-
HCM Lane V/C Ratio	0.214	0.148	0.026	-	-	-
HCM Ctrl Dly (s/v)	14.7	10	8.2	-	-	-
HCM Lane LOS	B	A	A	-	-	-
HCM 95th %tile Q(veh)	0.8	0.5	0.1	-	-	-

Intersection	
Int Delay, s/veh	3.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	157	71	112	282	0	0	0	0	56	1	77
Future Vol, veh/h	0	157	71	112	282	0	0	0	0	56	1	77
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	None	-	-	None	-	-	None
Storage Length	-	-	250	100	-	-	-	-	-	-	-	35
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	174	79	124	313	0	0	0	0	62	1	86

Major/Minor	Major1			Major2					Minor2		
Conflicting Flow All	-	0	0	174	0	0			737	737	313
Stage 1	-	-	-	-	-	-			562	562	-
Stage 2	-	-	-	-	-	-			174	174	-
Critical Hdwy	-	-	-	4.12	-	-			6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-			5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-			5.42	5.52	-
Follow-up Hdwy	-	-	-	2.218	-	-			3.518	4.018	3.318
Pot Cap-1 Maneuver	0	-	-	1402	-	0			386	346	727
Stage 1	0	-	-	-	-	0			570	509	-
Stage 2	0	-	-	-	-	0			856	755	-
Platoon blocked, %		-	-		-						
Mov Cap-1 Maneuver	-	-	-	1402	-	-			352	0	727
Mov Cap-2 Maneuver	-	-	-	-	-	-			352	0	-
Stage 1	-	-	-	-	-	-			570	0	-
Stage 2	-	-	-	-	-	-			780	0	-

Approach	EB	WB	SB
HCM Ctrl Dly, s/v	0	2.22	13.53
HCM LOS			B

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1402	-	352	727
HCM Lane V/C Ratio	-	-	0.089	-	0.18	0.118
HCM Ctrl Dly (s/v)	-	-	7.8	-	17.5	10.6
HCM Lane LOS	-	-	A	-	C	B
HCM 95th %tile Q(veh)	-	-	0.3	-	0.6	0.4

Intersection	
Int Delay, s/veh	1.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	140	2	47	199	0	0	1	17	0	0	0
Future Vol, veh/h	0	140	2	47	199	0	0	1	17	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	25	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	86	86	86	86	86	86	86	86	86	86	86	86
Heavy Vehicles, %	0	2	2	2	2	0	2	0	2	0	0	0
Mvmt Flow	0	163	2	55	231	0	0	1	20	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	231	0	0	165	0	0	505	505	164	504	506	231
Stage 1	-	-	-	-	-	-	164	164	-	341	341	-
Stage 2	-	-	-	-	-	-	341	341	-	163	165	-
Critical Hdwy	4.1	-	-	4.12	-	-	7.12	6.5	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.218	-	-	3.518	4	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	1348	-	-	1413	-	-	478	473	881	481	472	813
Stage 1	-	-	-	-	-	-	838	766	-	678	642	-
Stage 2	-	-	-	-	-	-	674	642	-	843	765	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1348	-	-	1413	-	-	457	452	881	449	451	813
Mov Cap-2 Maneuver	-	-	-	-	-	-	457	452	-	449	451	-
Stage 1	-	-	-	-	-	-	838	766	-	648	614	-
Stage 2	-	-	-	-	-	-	644	614	-	823	765	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	0	1.46	9.39	0
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	452	881	1348	-	-	344	-	-	-
HCM Lane V/C Ratio	0.003	0.022	-	-	-	0.039	-	-	-
HCM Ctrl Dly (s/v)	13	9.2	0	-	-	7.7	0	-	0
HCM Lane LOS	B	A	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0	0.1	0	-	-	0.1	-	-	-

Intersection	
Int Delay, s/veh	4.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	4	14	24	10	2	69	62	15	4	46	0
Future Vol, veh/h	0	4	14	24	10	2	69	62	15	4	46	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	80	80	80	80	80	80	80	80	80	80	80	80
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	5	18	30	13	3	86	78	19	5	58	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	324	336	58	329	327	87	58	0	0	96	0	0
Stage 1	68	68	-	259	259	-	-	-	-	-	-	-
Stage 2	256	269	-	70	68	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	629	584	1009	624	592	972	1547	-	-	1497	-	-
Stage 1	943	839	-	745	693	-	-	-	-	-	-	-
Stage 2	748	687	-	940	839	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	576	548	1009	570	555	972	1547	-	-	1497	-	-
Mov Cap-2 Maneuver	576	548	-	570	555	-	-	-	-	-	-	-
Stage 1	940	836	-	701	652	-	-	-	-	-	-	-
Stage 2	689	646	-	915	836	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	9.35	11.74	3.53	0.59
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	819	-	-	850	579	144	-	-
HCM Lane V/C Ratio	0.056	-	-	0.026	0.078	0.003	-	-
HCM Ctrl Dly (s/v)	7.5	0	-	9.4	11.7	7.4	0	-
HCM Lane LOS	A	A	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.1	0.3	0	-	-

Intersection	
Intersection Delay, s/veh	9.3
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	91	60	15	57	48	15	7	52	78	16	41	52
Future Vol, veh/h	91	60	15	57	48	15	7	52	78	16	41	52
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	101	67	17	63	53	17	8	58	87	18	46	58
Number of Lanes	0	1	1	0	1	1	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	2
HCM Control Delay, s/veh	10.2	9.4	8.5	8.6
HCM LOS	B	A	A	A

Lane	NBLn1	NBLn2	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	12%	0%	60%	0%	54%	0%	28%	0%
Vol Thru, %	88%	0%	40%	0%	46%	0%	72%	0%
Vol Right, %	0%	100%	0%	100%	0%	100%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	59	78	151	15	105	15	57	52
LT Vol	7	0	91	0	57	0	16	0
Through Vol	52	0	60	0	48	0	41	0
RT Vol	0	78	0	15	0	15	0	52
Lane Flow Rate	66	87	168	17	117	17	63	58
Geometry Grp	5	5	5	5	5	5	5	5
Degree of Util (X)	0.102	0.116	0.264	0.022	0.184	0.022	0.1	0.078
Departure Headway (Hd)	5.59	4.825	5.658	4.651	5.688	4.71	5.704	4.857
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	638	738	633	764	628	754	625	732
Service Time	3.353	2.588	3.421	2.413	3.456	2.477	3.47	2.623
HCM Lane V/C Ratio	0.103	0.118	0.265	0.022	0.186	0.023	0.101	0.079
HCM Control Delay, s/veh	9	8.2	10.5	7.5	9.7	7.6	9.1	8
HCM Lane LOS	A	A	B	A	A	A	A	A
HCM 95th-tile Q	0.3	0.4	1.1	0.1	0.7	0.1	0.3	0.3

Intersection	
Int Delay, s/veh	4.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	44	0	0	100	12	4	5	143	0	0	0
Future Vol, veh/h	0	44	0	0	100	12	4	5	143	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	30	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	47	0	0	106	13	4	5	152	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	119	0	-	-	-	0	153	166	47
Stage 1	-	-	-	-	-	-	47	47	-
Stage 2	-	-	-	-	-	-	106	119	-
Critical Hdwy	4.12	-	-	-	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	-	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1469	-	0	0	-	-	838	727	1022
Stage 1	-	-	0	0	-	-	976	856	-
Stage 2	-	-	0	0	-	-	918	797	-
Platoon blocked, %		-			-	-			
Mov Cap-1 Maneuver	1469	-	-	-	-	-	838	0	1022
Mov Cap-2 Maneuver	-	-	-	-	-	-	838	0	-
Stage 1	-	-	-	-	-	-	976	0	-
Stage 2	-	-	-	-	-	-	918	0	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	0	0	9.15
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	WBT	WBR
Capacity (veh/h)	838	1022	1469	-	-	-
HCM Lane V/C Ratio	0.011	0.149	-	-	-	-
HCM Ctrl Dly (s/v)	9.3	9.1	0	-	-	-
HCM Lane LOS	A	A	A	-	-	-
HCM 95th %tile Q(veh)	0	0.5	0	-	-	-

Intersection	
Int Delay, s/veh	6.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	12	15	88	15	0	0	0	0	33	3	3
Future Vol, veh/h	0	12	15	88	15	0	0	0	0	33	3	3
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	13	16	94	16	0	0	0	0	35	3	3

Major/Minor	Major1			Major2			Minor2		
Conflicting Flow All	-	0	0	29	0	0	216	232	16
Stage 1	-	-	-	-	-	-	203	203	-
Stage 2	-	-	-	-	-	-	13	29	-
Critical Hdwy	-	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	-	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	0	-	-	1585	-	0	772	668	1063
Stage 1	0	-	-	-	-	0	831	733	-
Stage 2	0	-	-	-	-	0	1010	871	-
Platoon blocked, %		-	-		-				
Mov Cap-1 Maneuver	-	-	-	1585	-	-	726	0	1063
Mov Cap-2 Maneuver	-	-	-	-	-	-	726	0	-
Stage 1	-	-	-	-	-	-	831	0	-
Stage 2	-	-	-	-	-	-	950	0	-

Approach	EB	WB	SB
HCM Ctrl Dly, s/v	0	6.33	10.09
HCM LOS			B

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1538	-	726	1063
HCM Lane V/C Ratio	-	-	0.059	-	0.053	0.003
HCM Ctrl Dly (s/v)	-	-	7.4	0	10.2	8.4
HCM Lane LOS	-	-	A	A	B	A
HCM 95th %tile Q(veh)	-	-	0.2	-	0.2	0

Intersection	
Int Delay, s/veh	3.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	35	301	0	0	236	68	77	0	149	0	0	0
Future Vol, veh/h	35	301	0	0	236	68	77	0	149	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	105	-	-	-	-	-	-	-	25	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	39	334	0	0	262	76	86	0	166	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	338	0	-	-	-	0	674	750	334
Stage 1	-	-	-	-	-	-	412	412	-
Stage 2	-	-	-	-	-	-	262	338	-
Critical Hdwy	4.12	-	-	-	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	-	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1221	-	0	0	-	-	420	340	707
Stage 1	-	-	0	0	-	-	668	594	-
Stage 2	-	-	0	0	-	-	782	641	-
Platoon blocked, %		-			-	-			
Mov Cap-1 Maneuver	1221	-	-	-	-	-	406	0	707
Mov Cap-2 Maneuver	-	-	-	-	-	-	406	0	-
Stage 1	-	-	-	-	-	-	647	0	-
Stage 2	-	-	-	-	-	-	782	0	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	0.84	0	13.19
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	WBT	WBR
Capacity (veh/h)	406	707	1221	-	-	-
HCM Lane V/C Ratio	0.211	0.234	0.032	-	-	-
HCM Ctrl Dly (s/v)	16.2	11.6	8	-	-	-
HCM Lane LOS	C	B	A	-	-	-
HCM 95th %tile Q(veh)	0.8	0.9	0.1	-	-	-

Intersection	
Int Delay, s/veh	3.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	273	152	116	196	0	0	0	0	65	0	35
Future Vol, veh/h	0	273	152	116	196	0	0	0	0	65	0	35
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	None	-	-	None	-	-	None
Storage Length	-	-	250	100	-	-	-	-	-	-	-	35
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	310	173	132	223	0	0	0	0	74	0	40

Major/Minor	Major1			Major2			Minor2		
Conflicting Flow All	-	0	0	310	0	0	797	797	223
Stage 1	-	-	-	-	-	-	486	486	-
Stage 2	-	-	-	-	-	-	310	310	-
Critical Hdwy	-	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	-	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	0	-	-	1250	-	0	356	320	817
Stage 1	0	-	-	-	-	0	618	551	-
Stage 2	0	-	-	-	-	0	744	659	-
Platoon blocked, %		-	-		-				
Mov Cap-1 Maneuver	-	-	-	1250	-	-	318	0	817
Mov Cap-2 Maneuver	-	-	-	-	-	-	318	0	-
Stage 1	-	-	-	-	-	-	618	0	-
Stage 2	-	-	-	-	-	-	665	0	-

Approach	EB	WB	SB
HCM Ctrl Dly, s/v	0	3.06	16.17
HCM LOS			C

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1250	-	318	817
HCM Lane V/C Ratio	-	-	0.105	-	0.232	0.049
HCM Ctrl Dly (s/v)	-	-	8.2	-	19.7	9.6
HCM Lane LOS	-	-	A	-	C	A
HCM 95th %tile Q(veh)	-	-	0.4	-	0.9	0.2

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	290	2	9	130	0	1	1	56	0	0	0
Future Vol, veh/h	0	290	2	9	130	0	1	1	56	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	25	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	83	83	83	83	83	83	83	83	83	83	83	83
Heavy Vehicles, %	0	2	2	2	2	0	2	0	2	0	0	0
Mvmt Flow	0	349	2	11	157	0	1	1	67	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	157	0	0	352	0	0	529	529	351	528	530	157
Stage 1	-	-	-	-	-	-	351	351	-	178	178	-
Stage 2	-	-	-	-	-	-	178	178	-	350	352	-
Critical Hdwy	4.1	-	-	4.12	-	-	7.12	6.5	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.218	-	-	3.518	4	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	1436	-	-	1207	-	-	460	458	693	464	457	894
Stage 1	-	-	-	-	-	-	666	636	-	828	756	-
Stage 2	-	-	-	-	-	-	823	756	-	671	635	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1436	-	-	1207	-	-	456	454	693	414	453	894
Mov Cap-2 Maneuver	-	-	-	-	-	-	456	454	-	414	453	-
Stage 1	-	-	-	-	-	-	666	636	-	820	748	-
Stage 2	-	-	-	-	-	-	815	748	-	604	635	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	0	0.52	10.83	0
HCM LOS			B	A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	455	693	1436	-	-	117	-	-	-
HCM Lane V/C Ratio	0.005	0.097	-	-	-	0.009	-	-	-
HCM Ctrl Dly (s/v)	13	10.8	0	-	-	8	0	-	0
HCM Lane LOS	B	B	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0	0.3	0	-	-	0	-	-	-

Intersection	
Int Delay, s/veh	5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	14	70	13	9	11	23	67	4	0	47	0
Future Vol, veh/h	0	14	70	13	9	11	23	67	4	0	47	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	82	82	82	82	82	82	82	82	82	82	82	82
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	17	85	16	11	13	28	82	5	0	57	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	201	200	57	206	198	84	57	0	0	87	0	0
Stage 1	57	57	-	140	140	-	-	-	-	-	-	-
Stage 2	143	143	-	66	57	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	758	696	1009	752	698	975	1547	-	-	1510	-	-
Stage 1	955	847	-	863	781	-	-	-	-	-	-	-
Stage 2	860	779	-	945	847	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	722	683	1009	658	685	975	1547	-	-	1510	-	-
Mov Cap-2 Maneuver	722	683	-	658	685	-	-	-	-	-	-	-
Stage 1	955	847	-	846	766	-	-	-	-	-	-	-
Stage 2	820	764	-	847	847	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	9.33	10.09	1.8	0
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	436	-	-	934	747	1510	-	-
HCM Lane V/C Ratio	0.018	-	-	0.11	0.054	-	-	-
HCM Ctrl Dly (s/v)	7.4	0	-	9.3	10.1	0	-	-
HCM Lane LOS	A	A	-	A	B	A	-	-
HCM 95th %tile Q(veh)	0.1	-	-	0.4	0.2	0	-	-

Intersection	
Intersection Delay, s/veh	9.4
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	10	97	11	60	70	14	23	61	79	5	51	64
Future Vol, veh/h	10	97	11	60	70	14	23	61	79	5	51	64
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	12	117	13	72	84	17	28	73	95	6	61	77
Number of Lanes	0	1	1	0	1	1	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	2
HCM Control Delay, s/veh	9.6	10.2	9	8.7
HCM LOS	A	B	A	A

Lane	NBLn1	NBLn2	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	27%	0%	9%	0%	46%	0%	9%	0%
Vol Thru, %	73%	0%	91%	0%	54%	0%	91%	0%
Vol Right, %	0%	100%	0%	100%	0%	100%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	84	79	107	11	130	14	56	64
LT Vol	23	0	10	0	60	0	5	0
Through Vol	61	0	97	0	70	0	51	0
RT Vol	0	79	0	11	0	14	0	64
Lane Flow Rate	101	95	129	13	157	17	67	77
Geometry Grp	5	5	5	5	5	5	5	5
Degree of Util (X)	0.16	0.128	0.201	0.018	0.251	0.023	0.106	0.105
Departure Headway (Hd)	5.69	4.846	5.626	4.873	5.767	4.829	5.66	4.909
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	626	733	633	727	619	734	628	723
Service Time	3.463	2.619	3.409	2.656	3.547	2.608	3.438	2.686
HCM Lane V/C Ratio	0.161	0.13	0.204	0.018	0.254	0.023	0.107	0.107
HCM Control Delay, s/veh	9.6	8.3	9.8	7.7	10.5	7.7	9.1	8.3
HCM Lane LOS	A	A	A	A	B	A	A	A
HCM 95th-tile Q	0.6	0.4	0.7	0.1	1	0.1	0.4	0.4

Intersection	
Int Delay, s/veh	3.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	11	34	0	0	135	21	1	4	84	0	0	0
Future Vol, veh/h	11	34	0	0	135	21	1	4	84	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	30	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	67	67	67	67	67	67	67	67	67	67	67	67
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	16	51	0	0	201	31	1	6	125	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	233	0	-	-	-	0	285	316	51
Stage 1	-	-	-	-	-	-	84	84	-
Stage 2	-	-	-	-	-	-	201	233	-
Critical Hdwy	4.12	-	-	-	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	-	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1335	-	0	0	-	-	705	600	1017
Stage 1	-	-	0	0	-	-	940	826	-
Stage 2	-	-	0	0	-	-	832	712	-
Platoon blocked, %		-			-	-			
Mov Cap-1 Maneuver	1335	-	-	-	-	-	696	0	1017
Mov Cap-2 Maneuver	-	-	-	-	-	-	696	0	-
Stage 1	-	-	-	-	-	-	928	0	-
Stage 2	-	-	-	-	-	-	832	0	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	1.89	0	9.1
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	WBT	WBR
Capacity (veh/h)	696	1017	440	-	-	-
HCM Lane V/C Ratio	0.011	0.123	0.012	-	-	-
HCM Ctrl Dly (s/v)	10.2	9	7.7	0	-	-
HCM Lane LOS	B	A	A	A	-	-
HCM 95th %tile Q(veh)	0	0.4	0	-	-	-

Intersection	
Int Delay, s/veh	5.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	40	8	124	11	0	0	0	0	5	4	0
Future Vol, veh/h	0	40	8	124	11	0	0	0	0	5	4	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	25
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	60	60	60	60	60	60	60	60	60	60	60	60
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	67	13	207	18	0	0	0	0	8	7	0

Major/Minor	Major1			Major2					Minor2		
Conflicting Flow All	-	0	0	80	0	0			498	512	18
Stage 1	-	-	-	-	-	-			432	432	-
Stage 2	-	-	-	-	-	-			67	80	-
Critical Hdwy	-	-	-	4.12	-	-			6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-			5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-			5.42	5.52	-
Follow-up Hdwy	-	-	-	2.218	-	-			3.518	4.018	3.318
Pot Cap-1 Maneuver	0	-	-	1518	-	0			532	466	1060
Stage 1	0	-	-	-	-	0			655	582	-
Stage 2	0	-	-	-	-	0			956	828	-
Platoon blocked, %		-	-		-						
Mov Cap-1 Maneuver	-	-	-	1518	-	-			458	0	1060
Mov Cap-2 Maneuver	-	-	-	-	-	-			458	0	-
Stage 1	-	-	-	-	-	-			655	0	-
Stage 2	-	-	-	-	-	-			825	0	-

Approach	EB	WB	SB
HCM Ctrl Dly, s/v	0	7.11	13.12
HCM LOS			B

Minor Lane/Major Mvmt	EBT	EBR	WBL	WBT	SBLn1	SBLn2
Capacity (veh/h)	-	-	1502	-	458	-
HCM Lane V/C Ratio	-	-	0.136	-	0.033	-
HCM Ctrl Dly (s/v)	-	-	7.7	0	13.1	0
HCM Lane LOS	-	-	A	A	B	A
HCM 95th %tile Q(veh)	-	-	0.5	-	0.1	-

Attachment 1

Fire Master Plan

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE INSTALLATION OF A BATTERY ENERGY STORAGE FACILITY.

ESS SYSTEM SUMMARY

BATTERY PRODUCT	-
BATTERY TECHNOLOGY	-
SYSTEM MODEL NUMBER	-
DISCHARGE DURATION	4-8 HRS
ESS ENCLOSURE QUANTITY	-
ESS ENERGY CAPACITY	150 MW/UP TO 1200 MWh

APPLICABLE CODES

THE AUTHORITY HAVING JURISDICTION (AHJ) FOR THIS PROJECT IS THE COLUSA COUNTY AND WILLIAMS FIRE PROTECTION AUTHORITY.

THE APPLICABLE CODES AND STANDARDS WITH LOCAL AMENDMENTS FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO

- CALIFORNIA ELECTRICAL CODE (CEC), 2022 EDITION
- CALIFORNIA FIRE CODE (CFC), 2022 EDITION W/ JULY 2024 SUPPLEMENT
- NFPA 22 – STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION, 2018 EDITION
- NFPA 69 – STANDARD ON EXPLOSION PREVENTION SYSTEMS, 2019 EDITION
- NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE, 2022 EDITION
- NFPA 855 – STANDARD FOR THE INSTALLATION OF STATIONARY ENERGY STORAGE SYSTEMS, 2023 EDITION (GUIDANCE ONLY)
- NFPA 1142 – STANDARD ON WATER SUPPLIES AND RURAL FIREFIGHTING, 2017 EDITION

UL 9540 CERTIFICATION

CERTIFICATION ORGANIZATION	-
LOCATION OF ORGANIZATION	-
CERTIFICATION DATE	-
CERTIFICATION REPORT ID	-

UL 9540A

THE ESS WILL BE TESTED IN ACCORDANCE WITH UL 9540A AT THE CELL, MODULE AND UNIT LEVEL. THE DESIGN OF PROTECTION SYSTEMS NOTED HEREIN WILL BE BASED ON RESULTS FROM THE UL 9540A TESTING. REFER TO THE HAZARD MITIGATION ANALYSIS (HMA) FOR ADDITIONAL INFORMATION SPECIFIC TO THE HAZARDS ASSOCIATED WITH THE LITHIUM-ION BATTERIES WITHIN EACH ESS ENCLOSURE.

BUILDING CODE ANALYSIS

THE ESS ENCLOSURES ARE NOT "WALK-IN" TYPE CONTAINERS, BECAUSE THE BATTERY RACKS ARE ACCESSIBLE FROM OUTSIDE THE ENCLOSURE FOR MAINTENANCE PURPOSES, AND THERE IS NO ABILITY TO ENTER THE ENCLOSURES. BASED ON THIS ARRANGEMENT, EACH INDIVIDUAL ENCLOSURE IS CONSIDERED ELECTRICAL EQUIPMENT (BATTERY CABINET) AND DOES NOT CONSTITUTE A BUILDING; THEREFORE, CONSTRUCTION TYPE, FIRE-RESISTANCE RATED CONSTRUCTION, MEANS OF EGRESS REQUIREMENTS, ETC. FOR BUILDINGS DO NOT APPLY TO THE ENCLOSURES.

FIRE PROTECTION WATER SUPPLIES

A WATER SUPPLY FOR GROUND FIRE SUPPRESSION MAY BE REQUIRED. INTERNAL FIRE SUPPRESSION SYSTEMS, FOR THE PROPOSED ESS ENCLOSURES, MAY BE REQUIRED BASED ON THE TECHNOLOGY TO BE SELECTED. BOTH OPTIONS ARE PENDING THE TECHNICAL PLAN REVIEW OF THE GRID SCALE BESS PROPOSAL.

DEFERRED SUBMITTALS

- ENTRANCE GATE DESIGN
- FIRE DEPARTMENT ACCESS GATES DESIGN
- INSTALLATION OF THE ESS, TO BE REVIEWED BY COLUSA COUNTY AND WILLIAMS FIRE PROTECTION AUTHORITY
- HAZARD MITIGATION ANALYSIS
- EMERGENCY OPERATIONS PLAN

FIRE DEPARTMENT ACCESS

FIRE APPARATUS ACCESS ROADS

FIRE APPARATUS ACCESS ROAD SHALL SHALL EXTEND TO WITHIN 150 FEET OF ALL PORTIONS OF THE FACILITY AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR FACILITY [CFC 503.1.1].

FIRE APPARATUS ACCESS ROAD SPECIFICATIONS

THE FIRE APPARATUS ACCESS ROADS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS IN ACCORDANCE WITH THE CFC:

- **20 FEET MINIMUM UNOBSTRUCTED WIDTH**
- **13 FEET 6 INCHES MINIMUM UNOBSTRUCTED VERTICAL CLEARANCE**
- **DEAD- ENDS IN EXCESS OF 150 FEET MUST HAVE AN APPROVED AREA FOR TURNING AROUND FIRE APPARATUS.**
- **ALL WEATHER SURFACE SUITABLE FOR USE BY FIRE APPARATUS**

THE "NO PARKING - FIRE LANE" SIGNS SHALL BE POSTED ON BOTH SIDES OF THE FIRE APPARATUS ACCESS ROAD 20-26 FEET WIDE, IN ACCORDANCE WITH CFC APPENDIX D103.6.2.

FIRE DEPARTMENT ACCESS GATES

THE INSTALLATION OF FIRE DEPARTMENT ACCESS GATES ACROSS A FIRE APPARATUS ACCESS ROAD SHALL BE APPROVED BY THE FIRE CODE OFFICIAL. ELECTRIC GATE OPERATORS, WHERE PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325. AUTOMATIC GATES SHALL COMPLY WITH ASTM F2200 [CFC 503.6].

FIRE DEPARTMENT ACCESS GATES SHALL OPEN A MINIMUM CLEAR WIDTH OF 20 FEET.

PREMISES IDENTIFICATION

FOUR-INCH REFLECTIVE ADDRESS NUMBERS SHALL BE VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD, A SIGN THAT IS VISIBLE FROM THE PUBLIC WAY SHALL BE PROVIDED PER CFC SECTION 505.1.

KEY BOXES

A KNOX BOX SHALL BE PROVIDED CONTAINING KEYS TO GAIN NECESSARY ACCESS AS REQUIRED BY THE FIRE CODE OFFICIAL [CFC 506.1].

ELECTRICAL ENERGY STORAGE SYSTEMS

ENERGY STORAGE SYSTEM (ESS) THRESHOLD QUANTITIES

THE ESS CAPACITY EXCEEDS THE THRESHOLD VALUE OF 20 KWh GIVEN IN CFC TABLE 1207.1.1, THEREFORE THE PROJECT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF CFC CHAPTER 1207.

DESIGN DOCUMENTS AND PERMITS

PLANS AND SPECIFICATIONS ASSOCIATED WITH THE ESS INSTALLATION SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL [CFC SECTION 1207.1.3].

CONSTRUCTION PERMITS SHALL BE OBTAINED FOR STATIONARY ESS INSTALLATIONS. OPERATIONAL PERMITS SHALL BE OBTAINED FOR STATIONARY ESS INSTALLATIONS [CFC 1207.1.2].

A HAZARD MITIGATION ANALYSIS, COMPLIANT WITH CFC SECTION 1207.1.4, SHALL BE DEVELOPED AT A LATER STAGE FOR THIS PROJECT.

THE SELECTED ESS WILL BE SUBJECT TO LARGE-SCALE FIRE TESTING IN ACCORDANCE WITH UL 9540A. THE MANUFACTURER'S UL 9540A TEST REPORT DOCUMENTATION WILL BE PROVIDED WITH FUTURE SUBMITTALS FOR FURTHER INFORMATION.

SIGNAGE

SIGNS SHALL BE PROVIDED ON EACH ESS ENCLOSURE TO INDICATE THE FOLLOWING [CFC SECTION 1207.4.8]:

1. "ENERGY STORAGE SYSTEMS" WITH SYMBOL OF LIGHTNING BOLT IN TRIANGLE.
2. "LITHIUM-ION"
3. "ENERGIZED ELECTRICAL CIRCUITS"
4. EMERGENCY CONTACT INFORMATION

SIGNAGE (CONT.)

A PERMANENT PLAQUE OR DIRECTORY DENOTING THE LOCATION OF ALL ELECTRIC POWER SOURCE DISCONNECTING MEANS ON THE PREMISES SHALL BE INSTALLED AT EACH SERVICE EQUIPMENT LOCATION AND AT THE LOCATIONS OF THE SYSTEM DISCONNECTS FOR ALL ENERGY SOURCES CAPABLE OF BEING INTERCONNECTED [CFC SECTION 1207.4.1].

SECURITY OF INSTALLATION

THE ESS YARD WILL BE SECURED AGAINST UNAUTHORIZED ENTRY AND SAFEGUARDED BY FENCING [CFC SECTION 1207.4.9].

OUTDOOR INSTALLATION

THE ESS SYSTEM SHALL COMPLY WITH CFC SECTION 1207.8 CODE REQUIREMENTS FOR OUTDOOR INSTALLATIONS LOCATED NEAR EXPOSURES.

MAXIMUM SIZE

THE ESS ENCLOSURES DO NOT EXCEED 53 FT x 8 FT x 9.5 FT [CFC SECTION 1207.5.6].

CLEARANCE TO EXPOSURES

ESS ENCLOSURES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY LOT LINES, PUBLIC WAYS, BUILDINGS, STORED COMBUSTIBLE MATERIALS, HAZARDOUS MATERIALS, HIGH-PILED STOCK OR OTHER EXPOSURE HAZARDS [CFC SECTION 1207.8.3]. DISTANCES BETWEEN ENCLOSURES WILL BE VALIDATED BY FULL-SCALE UL9540A TESTING.

SIZE AND SEPARATION

THE CAPACITY OF INDIVIDUAL ESS GROUPS EXCEEDS 50 KWh AND ARE SPACED LESS THAN 3 FEET APART, THUS FULL SCALE TESTING HAS BEEN COMPLETED TO COMPLY WITH CFC SECTION 1207.5.1.

MAXIMUM ALLOWABLE QUANTITIES

THE ESS CAPACITY EXCEEDS THE MAXIMUM ALLOWABLE QUANTITY VALUE OF 600 KWh GIVEN FOR LITHIUM-ION BATTERIES IN CFC TABLE 1207.5. A HAZARDOUS MITIGATION ANALYSIS WILL BE DEVELOPED IN ACCORDANCE WITH CFC SECTION 1207.1.4 AND LARGE SCALE FIRE TESTING COMPLETED IN ACCORDANCE WITH CFC SECTION 1207.1.5 TO PERMIT THE MAXIMUM ALLOWABLE QUANTITIES TO BE EXCEEDED.

FIRE DETECTION

THE ESS MAY COME PRE-INSTALLED WITH A SMOKE, FIRE AND GAS DETECTION SYSTEM DESIGNED AND INSTALLED AT THE ESS FACTORY DEPENDING ON THE TECHNOLOGY SELECTED. ALARM SIGNALS FROM THE DETECTION SYSTEM WILL BE TRANSMITTED TO THE SITE FIRE ALARM CONTROL PANEL AND EMERGENCY MANAGEMENT SYSTEM. ALARM SIGNALS WILL BE NFPA 72 COMPLIANT, AND WILL BE TRANSMITTED TO A CONSTANTLY MONITORED LOCATION.

VEGETATION CONTROL

AREAS WITHIN 50 FEET ON EACH SIDE OF OUTDOOR ESS SHALL BE CLEARED OF COMBUSTIBLE VEGETATION AND OTHER COMBUSTIBLE GROWTH. SINGLE SPECIMENS OF TREES, SHRUBBERY, OR CULTIVATED GROUND COVER SUCH AS GREEN GRASS, IVY, SUCCULENTS, OR SIMILAR PLANTS USED AS GROUND COVERS SHALL BE PERMITTED TO BE EXEMPT, PROVIDED THAT THEY DO NOT FORM A MEANS OF READILY TRANSMITTING FIRE [COLUSA COUNTY CODE 7A-3(A)].

MEANS OF EGRESS SEPARATION

ESS LOCATED OUTDOORS SHALL BE SEPARATED FROM ANY MEANS OF EGRESS AS REQUIRED BY THE FIRE CODE OFFICIAL TO ENSURE SAFE EGRESS UNDER FIRE CONDITIONS, BUT IN NO CASE LESS THAN 10 FEET [CFC SECTION 1207.5.8]. THE ESS IS LOCATED MORE THAN 10 FT FROM THE MEANS OF EGRESS FROM ANY BUILDING.

EXPLOSION CONTROL

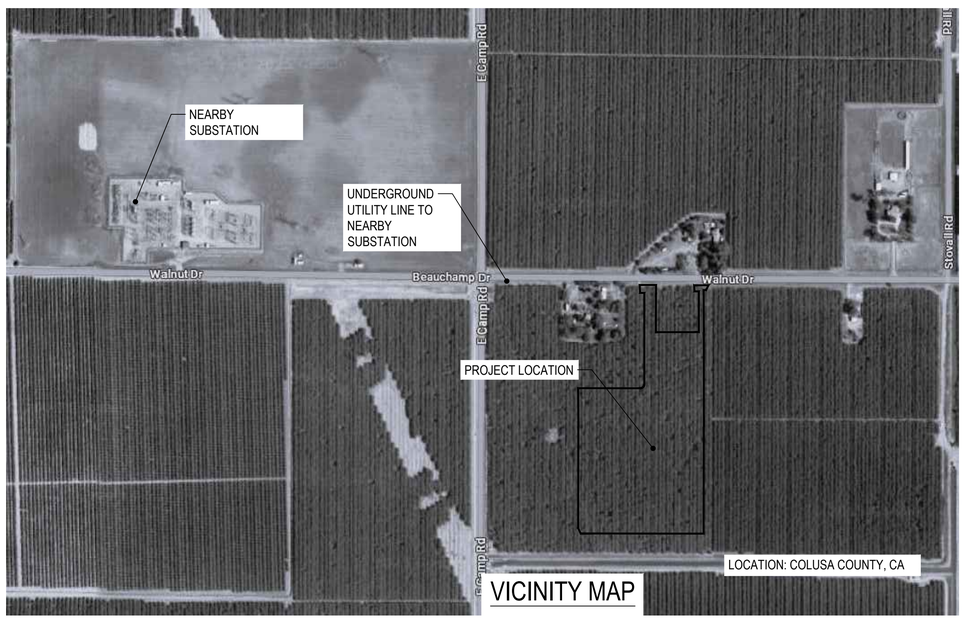
PER CFC 1207.6.3, EXPLOSION CONTROL COMPLYING WITH CFC SECTION 911 SHALL BE PROVIDED FOR LITHIUM-ION ESS TECHNOLOGIES.

THE ENCLOSURES MAY BE EQUIPPED WITH AN EXHAUST VENTILATION SYSTEM THAT IS ACTIVATED ONCE A GAS DETECTOR IS INITIATED AT 24% OF THE LFL, DEPENDING ON THE TECHNOLOGY SELECTED. THE EXHAUST VENTILATION SYSTEM IS INSTALLED TO COMPLY WITH NFPA 69 CHAPTER 8, DEFLAGRATION PREVENTION BY COMBUSTIBLE CONCENTRATION REDUCTION.

IF REQUIRED, AN NFPA 69 CFD ANALYSIS OF THE EXHAUST SYSTEM WILL BE PROVIDED AS THE BASIS FOR THE NFPA 69 EXPLOSION PREVENTION SYSTEM.

THERMAL RUNAWAY PROTECTION

AS REQUIRED BY CFC TABLE 1207.6 AND CFC SECTION 1207.6.5, THE ESS SYSTEM SHALL BE PROVIDED WITH A LISTED DEVICE OR OTHER APPROVED METHOD TO PRECLUDE, DETECT AND MINIMIZE THE IMPACT OF THERMAL RUNAWAY. THERMAL RUNAWAY PROTECTION IS PROVIDED AS PART OF THE BATTERY MANAGEMENT SYSTEM WHICH IS COMPLIANT TO UL 1973 AND UL 9540.



VICINITY MAP

COFFMAN ENGINEERS
1939 Harrison Street
Suite 320
Oakland, CA 94612
ph 510.251.9578
www.coffman.com

Alpha omega POWER

SALOON BESS

5266 Walnut Drive, Williams, CA 95987

REV	DATE	DESCRIPTION
A	02/14/2025	CONCEPT FMP

PROJ. NO.	243243
DRAWN	WJ
CHECKED	TJD
DATE	02/14/2025

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SHEET TITLE:

FIRE MASTER PLAN - CODE SHEET

SHEET NO:

FMP-01

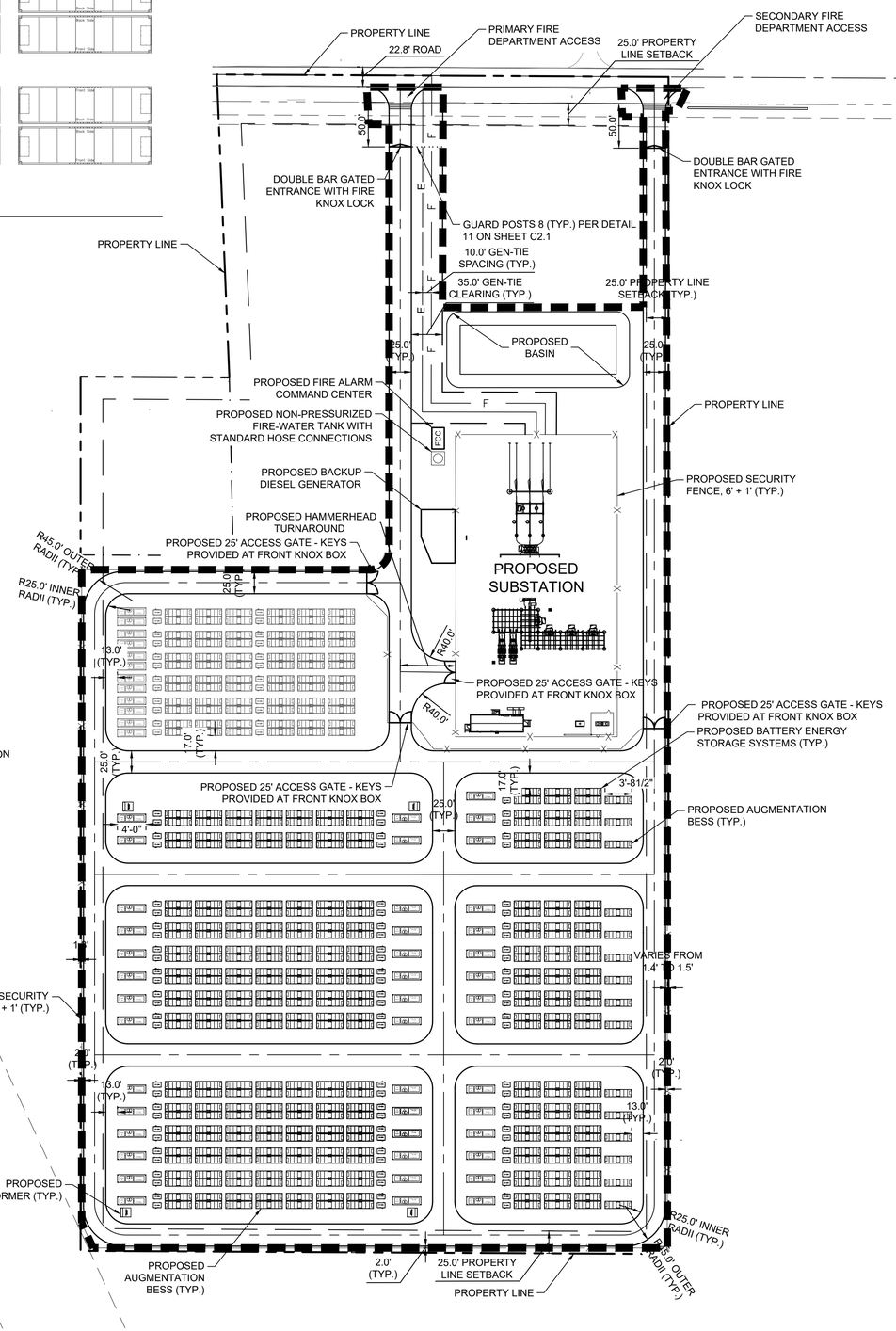
SHEET 1 OF

P:\SEA\24\OBS\243243 QCELLS SALOON COLUSA BESS\0.0 DWG\243243 FMP-01 - FMP CODE SHEET.DWG FMP-01 - FMP CODE SHEET - BENTIVENGA, GRACE: | LAST SAVED: February 25, 2025 - PLOT DATE: 2/25/25



2 FMP-02 **TYPICAL BATTERY UNIT SPACING**

SCALE: 1/16" = 1'



1 FMP-02 **SITE PLAN**

SCALE: 1/80" = 1'

NORTH

GENERAL NOTES:

1. PLANS ARE FOR PRELIMINARY ACCESS APPROVAL ONLY. FUTURE COLUSA COUNTY AND WILLIAMS FIRE PROTECTION DISTRICT REVIEW AND APPROVAL REQUIRED FOR THE ESS INSTALLATION. FULL DESIGN WILL REQUIRE A LICENSED FIRE PROTECTION ENGINEER IN THE STATE OF CALIFORNA PER CFC REQUIREMENTS.
2. FIRE DEPARTMENT ACCESS GATES SHALL OPEN A MINIMUM CLEAR WIDTH OF 20 FEET.
3. FIRE APPARATUS ACCESS ROADS SHALL BE OF AN ALL-WEATHER SURFACE THAT IS EASILY DISTINGUISHABLE FROM THE SURROUNDING AREA AND IS CAPABLE OF SUPPORTING NOT LESS THAN 12,500 POUNDS POINT LOAD (WHEEL LOAD OR GROSS WHEEL POSITION WEIGHT) AND 75,000 POUNDS LIVE LOAD (GROSS VEHICLE WEIGHT).
4. PROVIDE FIRE LANE IN ACCORDANCE WITH CFC 503.2.1, TO BE MARKED IN ACCORDANCE WITH CFC 503.3.
5. THE "NO PARKING - FIRE LANE" SIGNS SHALL BE POSTED ON ONE SIDE OF THE FIRE APPARATUS ACCESS ROAD MORE THAN 26 FEET WIDE AND LESS THAN 32 FEET WIDE, IN ACCORDANCE WITH CFC APPENDIX D103.6.2.
6. THE ENTRANCE GATE AND FIRE DEPARTMENT ACCESS GATE DESIGNS WILL BE DEFERRED SUBMITTALS.
7. THE INSTALLATION OF THE ESS WILL BE REVIEWED BY SACRAMENTO RIVER FIRE DISTRICT AS A DEFERRED SUBMITTAL PRIOR TO CONSTRUCTION.
8. THE AISLE SPACING, BACK-TO-BACK SPACING, AND END-TO-END SPACING TO BE VALIDATED BY UL9540A TESTING AT FULL SCALE.

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PROJ. NO.	243243
DRAWN	WJ
CHECKED	TJD
DATE	02/14/2025

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SHEET TITLE:

FIRE MASTER PLAN

SHEET NO:

FMP-02

SHEET 2 OF

P:\SEA\24\OBS\243243 OCELLS SALOON, COLUSA BESS\0J DWG\243243 FMP-02 - FIRE MASTER PLAN.DWG,FMP-02 - FIRE MASTER PLAN, BENTIVENGA, GRACE | LAST SAVED: February 25, 2025 - PLOT DATE: 2/25/25