



**Pacific Gas and
Electric Company™**

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VIA ELECTRONIC MAIL

February 22, 2021

Mr. Robert Peterson
California Public Utilities Commission
c/o Tom Engels
Horizon Water and Environment
266 Grand Avenue, Suite 210
Oakland, CA 94610

Re: **Estrella Substation and Paso Robles Area Reinforcement Project (A.17-01-023) –
Pacific Gas and Electric Company Comments on Draft Environmental Impact
Report**

Dear Mr. Peterson:

Enclosed are Pacific Gas and Electric Company's ("PG&E") comments on the Draft Environmental Impact Report ("DEIR") that the California Public Utilities Commission ("CPUC") Infrastructure Permitting and CEQA Section ("Energy Division") released on December 8, 2020 regarding the Estrella Substation and Paso Robles Area Reinforcement Project ("Proposed Project" or "Project"). PG&E reserves the right to supplement its comments on the DEIR at a later date.

PG&E appreciates the time and effort that the Energy Division and its consultants spent on preparing the DEIR. PG&E's comments are intended to ensure that the final environmental impact report for the Project ("FEIR") will be accurate, complete, and consistent with the California Environmental Quality Act ("CEQA").

I. INTRODUCTION

PG&E and NextEra Energy Transmission West, LLC [now known as Horizon West Transmission ("HWT")] (collectively referred to as "Applicants"), jointly filed on January 25, 2017 an application requesting Permits to Construct ("PTCs") the Proposed Project, with a targeted in-service date of May 2019. The Proposed Project is a reliability-based upgrade to the Los Padres Area transmission system and the Paso Robles Distribution Planning Area that was selected by the California Independent System Operator through its regional transmission planning process. The Proposed Project would interconnect a new 230 kilovolt ("kV") source into the Paso Robles area by constructing a new 230/70 kV substation, as described in the Applicants' application for PTCs.

PG&E appreciates the opportunity to provide comments on the DEIR. PG&E's comments consist of this cover letter, Attachment 1 (Text Corrections and Requests for Clarification), Attachment 2 (Comments on Behind-the-Meter Analysis), Attachment 3 (Revised Air Quality Analysis) and Attachment 4 (Revised Helicopter Noise Analysis). PG&E requests that the CPUC incorporate into the FEIR the information and proposed revisions to the DEIR presented in this letter and Attachments 1-4 hereto.

II. COMMENTS ON OVERARCHING CEQA ISSUES

A. The CPUC's Distribution Project Objective Should Include Enhanced Reliability To Be Consistent with the Fundamental Underlying Purpose of the Proposed Project

CEQA requires an EIR to contain a clearly written statement of the underlying fundamental purpose and the objectives sought by the proposed project, which will help the lead agency develop a reasonable range of alternatives to evaluate in the EIR and aid the decision-makers in preparing findings or a statement of overriding considerations, if necessary. (*See* CEQA Guidelines § 15124(b).) The project objectives are integral to the analysis of alternatives because CEQA requires an EIR to focus on alternatives that can eliminate or reduce significant environmental impacts while attaining most of the project objectives. (*Id.* at § 15126.6(a)-(b).)

The fundamental underlying purpose of the Proposed Project is to reinforce the electric transmission and distribution system in the Paso Robles Distribution Planning Area (DPA), as reflected in the name of the project: the Estrella Substation and Paso Robles Area *Reinforcement* Project. Reinforcement in this case means improving the reliability, capacity and flexibility of the interconnected transmission and distribution systems in the DPA.¹ However, the CPUC, functioning as the CEQA lead agency in charge of preparing the DEIR, asserts that improving distribution service reliability is not a driver of the project: "The issue of long feeders and poor service reliability was not identified as a fundamental project objective by the CPUC; however, it is considered a beneficial effect of the Proposed Project." (DEIR p. 2-6.) In other words, the distribution project objective in the DEIR references increasing capacity, but not enhancing reliability. As a result, the DEIR does not take into account reliability enhancement when it evaluates the two battery energy storage system ("BESS") alternatives, Alternatives BS-2 and BS-3, to the reasonably foreseeable distribution components of the Proposed Project.

¹ The Proposed Project would accomplish these fundamental reinforcement goals by constructing a new substation that would (1) interconnect a second existing 230 kV transmission line into the DPA, (2) create a second 70 kV power source for the Paso Robles and San Miguel substations by constructing a 70kV power line connecting these substations to Estrella Substation, (3) include space for new 70/21 kV transformers to meet anticipated distribution demand in the DPA that will likely exceed existing capacity in approximately five to 15 years, (4) be located close to the area in which demand is forecasted to increase, (5) be located where it would be relatively easy to interconnect with existing distribution circuits, (6) shorten existing distribution feeders from Templeton Substation that now travel long routes into the Paso Robles DPA, and (7) provide additional substation 230/70kV transformer bank capacity that can be shared by substations within the DPA during substation maintenance, outages, and clearances to improve operational flexibility and reliability within the DPA. The Applicants' described the underlying purpose of the Proposed Project in PEA Section 1.3 ("Purpose, Need, and Project Objectives) and PEA Appendix G ("Distribution Need Analysis").

The DEIR should factor distribution reliability into its comparison of the two BESS alternatives to the reasonably foreseeable distribution components. The DEIR already acknowledges that the reasonably foreseeable distribution components:

would address existing undesirable conditions and projected load growth in the distribution system in the Paso Robles area. As described in detail in Appendix G of the Applicants' PEA, the Paso Robles system is characterized by very long distribution feeders particularly those extending from Templeton Substation (see Figure 2-4). This is undesirable because long feeders are more susceptible to potential outages caused by vehicle pole strikes, downed vegetation from storms, or other incidents (NEET West and PG&E 2020a). Additionally, outages that occur on long feeders may affect larger numbers of people than similar events that occur on feeders of moderate length. (DEIR p. 2-6.)²

The DEIR recognizes that the Proposed Project is sited and designed to address these "undesirable" reliability issues:

Locating the new substation at its proposed location would allow for the long feeders to be split in half and for some of the load currently being served by the Templeton Substation to be served by the new Estrella Substation. Reducing the length of these feeders would reduce potential outages for customers in this area and improve the reliability of the distribution system in this area. (DEIR p. 2-6.)

Additional details about the distribution reliability benefits of the Proposed Project are provided in PEA Appendix G. To summarize, if and when the reasonably foreseeable distribution components are added at the proposed Estrella Substation (assuming the CPUC approves its construction), all customers within the Paso Robles DPA will enjoy reliability benefits because installing three new 21 kV distribution circuits will shorten distribution feeder line lengths out of Templeton Substation, share load with existing circuits and substations, and provide critical back feed support and redundancy to respond to real-time operational needs. (PEA Appendix G at UG-27 to UG-28.)

Given the important role of enhancing distribution reliability in the fundamental underlying purpose and design of the Proposed Project, the distribution project objective should specifically include "improve service reliability."

At the very least, the DEIR should discuss whether Alternative BS-2 or BS-3 would enhance the reliability of the existing distribution system by rectifying existing "undesirable conditions" or achieve the other reliability enhancements of the Proposed Project. PG&E contends that they would not. Adding solar and battery storage could provide additional generation and storage capacity to the DPA (see comments in Attachment 2), but they would not reduce the length of the Templeton 21 kV feeders, nor would they create back ties into existing

² The DEIR pulls extensively from PEA Appendix G and provides outage data and statistics that highlight the service reliability issues that currently exist. (DEIR pp. 2-6 to 2-11.)

circuits that enable load transfers between substations during emergencies, clearances, or planned maintenance. In fact, battery storage systems can actually hinder system operational flexibility and reliability since, once discharged, they must be recharged to support load. Depending upon the duration of outages or maintenance windows, the batteries may not be able to be charged until the circuit and the system returns to normal or may not provide needed electricity supply during the full duration of a maintenance or outage window.

B. The DEIR Does Not Present Substantial Evidence On Which To Conclude that Alternative BS-2 or Alternative BS-3 Is Environmentally Preferable To the Reasonably Foreseeable Distribution Components of the Proposed Project

The DEIR does not contain substantial evidence to conclude that Alternatives BS-2 and BS-3 are environmentally preferable to the reasonably foreseeable distribution components that PG&E proposed.

The DEIR states at the beginning of the impacts discussion in Chapter 4 that: “Because the specific characteristics of Alternatives BS-2 and BS-3 are unknown, these alternatives are evaluated for illustrative purposes in the DEIR. Consistent with CEQA Guidelines section 15145, no significance conclusions are provided for the Alternative BS-2 and BS-3 impact discussions.” (DEIR at 4.0-2 to 4.0-3.) For example, in the evaluation of aesthetic impacts in Section 4.1, the DEIR states:

Overall, because FTM BESS sites were selected for illustrative purposes only, BESS installations have not been designed and technologies have not been selected, and the specifics of Alternative BS-2 are unknown, project-level determinations cannot be made as impacts are speculative. Therefore, consistent with CEQA Guidelines section 15145, no significance conclusion is provided for any of the significance criteria. (DEIR at 4.1-53.)

Overall, due to the fact that specific locations and characteristics of BTM resources procured under Alternative BS-3 are unknown at this time, project-level impact determinations are not possible as the impacts are speculative. Therefore, consistent with CEQA Guidelines section 15145, no significance conclusion is reached under any of the significance criteria. (DEIR at 4.1-54.)

This finding that impact determinations for Alternatives BS-2 and BS-3 would be speculative is repeated in Sections 4.2 to 4.20, which represent all resource areas evaluated in the DEIR.

Given these findings, the DEIR lacks substantial evidence to conclude that: “Impacts [of the reasonably foreseeable distribution components] would be greater than under the alternative combinations evaluated because of the approximately 1.7 miles of new distribution line and 8 miles of reconductoring.” (DEIR p. 5-15.) The DEIR cannot compare actual impact findings regarding the reasonably foreseeable distribution components to speculative assessments of the impacts of Alternatives BS-2 and BS-3 and conclude that these alternatives are environmentally preferable.

C. The DEIR Should Not Recommend Implementation of Alternative BS-2 or BS-3 Because the Decision Whether a BESS or Any Other Kind of Distributed Energy Resources Will Be Implemented Instead of the Reasonably Foreseeable Distribution Components Will Be Determined In a Separate CPUC Proceeding

The DEIR should clearly state that whether Alternative BS-2 and/or BS-3, or some other Distributed Energy Resource (DER), gets implemented instead of the reasonably foreseeable distribution components of the Proposed Project will not be decided in the PTC proceeding. Instead, the decision to implement a DER solution or the reasonably foreseeable distribution components would be made in a separate CPUC proceeding, the Distribution Infrastructure Deferral Framework (DIDF) pursuant to the Distribution Resources Plan proceeding (R.14-08-013). At the time that PG&E determines that the energy demand and reliability concerns in the DPA warrant constructing the reasonably foreseeable distribution components, PG&E will identify this as a “planned investment” in its annual Grid Needs Assessment (GNA) and Distribution Deferral Opportunity Report (DDOR). At that point, DER alternatives to the proposed distribution investment, which may include Alternative BS-2 and/or BS-3 among other DERs, will be considered in the annual DIDF.

Thus, no findings are appropriate – in either the DEIR or the current PTC proceeding – to establish that Alternative BS-2 and/or BS-3 is environmentally preferred to the reasonably foreseeable distribution components. As noted above, PG&E disagrees that the DEIR has established that Alternatives BS-2 and BS-3 would “likely” reduce environmental impacts as compared to the reasonably foreseeable distribution components (DEIR pp. ES-5, 5-15) because this finding is based on hypothetical, illustrative BS-2 and BS-3 alternatives for which no impact determination is made (DEIR p. 3-112).

In addition, PG&E offers a number of clarifying comments regarding the discussion of Alternatives BS-2 and BS-3 and the role of the DIDF proceeding.

The DEIR states that both Alternatives BS-2 and BS-3 could be “developed” through the DIDF proceeding. (DEIR pp. ES-13, 5-16.) PG&E clarifies that DER alternatives (including but not limited to BS-2 and BS-3) to the reasonably foreseeable distribution components will be *evaluated* in the DIDF. No alternatives are developed in the DIDF.

Furthermore, the DIDF evaluation is technology agnostic so all DER alternatives would be evaluated equally, with no preference given to Alternative BS-2 or BS-3. As the DEIR notes:

It is anticipated that BTM resources installed as an alternative to the Proposed Project would be procured under the CPUC’s DIDF pursuant to the Distribution Resources Plan or its successor proceeding... The DIDF is technology neutral but, for the purposes of this CEQA analysis, solar and battery storage DERs were assumed. Other types of DERs could also be procured, such as energy efficiency and demand response. (DEIR p. 3-134.)

PG&E agrees that DER alternatives, including alternatives other than a BESS, would be evaluated and potentially procured in the DIDF, making a finding in the DEIR or the current

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PTC proceeding on Alternatives BS-2 and BS-3 inappropriate and in conflict with the Distribution Resources Plan.

PG&E agrees with the statement in the DEIR that: “The size of the BESS required would be dictated by the grid capacity needs PG&E identifies pursuant to their annual Grid Needs Assessment and Distribution Deferral Opportunity Report filing to the Distribution Resources Plan proceeding (R.14-08-013) or its successor proceeding.” Further, given that the size and location of the DER alternative would be dictated by the GNA and DDOR in the Distribution Resources Plan, it is impossible to evaluate Alternative BS-2 or BS-3 without knowing the specific electrical system needed, the required battery storage size, and the location needed. No findings should be made in the DEIR about the environmental preferability of these alternatives. Instead, the BESS alternatives should be evaluated with other potential DERs in the Distribution Resources Plan once PG&E decides to make a planned investment in the reasonably foreseeable distribution components.

PG&E disagrees with the following statement: “In PG&E’s 2018 and 2019 filings, the distribution capacity requirements identified ranged from 3.4 MW to 5.9 MW (CPUC 2020). In their 2020 filing, however, PG&E indicated that the distribution capacity need no longer exists within the 10-year planning horizon (PG&E 2020a).” (DEIR p. 3-126.) In fact, a distribution capacity need does still exist and PG&E identified it in its 2020 GNA and DDOR. These reports state that the reasonably foreseeable distribution components of the Proposed Project are no longer considered a timely solution to this need; therefore, a planned emergency expansion of the existing San Miguel Substation in the Paso Robles DPA was identified and is being pursued instead.

The DEIR contains an incorrect statement regarding the cost effectiveness cap that would be used in the DIDF to evaluate DER alternatives to the reasonably foreseeable distribution components. The DEIR states: “As of 2019, the reasonably foreseeable distribution components associated with the Proposed Project were estimated to cost \$18.5 million (CPUC 2020). For Alternative BS-2 and BS-3 to be developed through the DIDF, the cost cap would be less than this amount since the DER solution needs to be cost-effective.” (DEIR p. 5-16.) PG&E agrees that any DER solution evaluated in the Distribution Resources Plan would need to be less than the cost effectiveness cap, but it is factually incorrect that the cost cap would be “less than this [\$18.5 million] amount.” The \$18.5 million was the unit cost, not the cost cap, for the reasonably foreseeable distribution components, which is not currently a “planned investment.” Instead, the annual DIDF will evaluate any new planned investment in that area, which would include the reasonably foreseeable distribution components if PG&E proposes them during that annual cycle. Any cost cap would be determined as part of that annual DIDF process. PG&E believes it is not accurate or relevant to the CEQA evaluation to introduce the incomplete \$18.5M figure within this DEIR.

D. The Analysis of Alternative BS-3 Is Flawed

PG&E offers a number of comments on the DEIR’s discussion of Alternative BS-3 in DEIR Chapter 3 and the supporting study, Behind-the-Meter Solar Plus Storage Adoption Propensity Analysis (BTM Analysis), provided by the CPUC as Appendix B to DEIR

Appendix B. PG&E provides detailed comments on the BTM Analysis in Attachment 2 hereto. PG&E provides a snapshot of some of the key comments here.

First, the BTM Analysis is speculative at its heart, admitting that “Economic propensity analyses simply identify customers for which it would make economic sense to adopt a technology, not necessarily what is likely to occur.” (BTM Analysis p. 14). The BTM Analysis does not constitute substantial evidence that any one residential or commercial customer would decide to install a BTM BESS.

Second, the BTM Analysis overestimates the number of customers in the DPA. It states that there are approximately 75,000 customers in the DPA, whereas PG&E’s records show that there are approximately 47,000 customers in the DPA. By overstating the number of customers in the DPA by nearly 60 percent, the study overestimates the number of customers for which it may make economic sense to install a BTM BESS.

Third, the hosting capacity analysis provided in the BTM Analysis is flawed because it assesses the hosting capacity of each distribution circuit in the DPA. Actual hosting capacity of a particular circuit in the DPA is limited to the hosting capacity of each segment of the circuit, which can be far lower than the theoretical hosting capacity of the circuit as a whole. For example, DEIR Table 3-20 shows an adoption potential on the Paso Robles 1102 circuit of 4.8 MW or 7.3 MW of solar plus storage for a Low or High Scenario, respectively. (DEIR p. 3-133.) In comparison, PG&E’s published ICA data from October 2020 shows a maximum hosting capacity of 0.84 MW on the Paso Robles 1102 circuit. The scope and magnitude of distribution upgrades required to interconnect BESS above and beyond actual hosting capacity limits is unknown at this time, and have not been assessed in the DEIR.

Fourth, the BTM Analysis incorrectly assumes that BESSs would be able to discharge energy to PG&E’s distribution system in the DPA. In fact, no commercially available residential battery storage system is currently approved to discharge to PG&E’s grid.

Fifth, a master control system that the BTM Analysis and the DEIR hypothesize would be needed to coordinate the discharge of energy from BTM batteries to the grid to offset peak demand does not exist at this time. Even if the batteries were approved to discharge to the grid, this master control system is not described or evaluated in the BTM Analysis. Any control system would require telemetry from circuits/banks/various circuit locations where capacity constraints exist in order to trigger BESS dispatch to mitigate overloads. The location of the BESS would have to be sited specific to distribution facility deficiencies.

In light of the foregoing, as elaborated on in Attachment 2 hereto, the BTM Analysis in the DEIR does not constitute substantial evidence in support of Alternative BS-3.

E. The DEIR Should Clarify that the Ultimate Substation Buildout Is Speculative and Not Part of the Proposed Project

Chapters 2, 4 and 5 of the DEIR should be revised to clarify that the ultimate substation buildout is speculative and not included in the CEQA review of the Proposed Project. As PG&E

explained in its August 28, 2017 response to the Energy Division’s June 29, 2017 deficiency letter, space at the proposed substation has been reserved to preserve the option of future expansion. However, such expansion may never occur; the ultimate substation buildout is not planned, designed or reasonably foreseeable. (Letter from PG&E to Energy Division, August 28, 2017, Response to Deficiency List No. 2, Item 18 at p. 17.) For that reason, PG&E marked the figures it prepared in response to the Energy Division’s request to describe what the ultimate substation buildout might look like with labels describing the components as the “speculative ultimate substation components.” Consistent with PG&E’s description, DEIR Figure 2-18 contains the same captions describing the components for the ultimate substation buildout as speculative.

The DEIR tacitly acknowledges that the ultimate substation buildout is speculative by declining to consider the necessary line work that would be associated with such buildout: “The ultimate substation buildout would support additional distribution and power lines emanating from the Estrella Substation; however, the specific routes and lengths of these lines are not known at this time and are not evaluated in the DEIR.” (DEIR p. ES-5.) The same logic applies to the substation buildout itself. CEQA does not condone an analysis of future effects that is based on speculation or conjecture. “[W]here future development is unspecified and uncertain, no purpose can be served by requiring an EIR to engage in sheer speculation as to future environmental consequences.” (*Kings County Farm Bureau v. City of Hanford* (1990) 221 Cal.App.3d 692, 712.) Because the substation buildout is not reasonably foreseeable or capable of meaningful environmental review, the DEIR must not draw conclusions, make findings or impose mitigation on speculative future facilities. The dimensions of the proposed substation have been appropriately considered in the DEIR; nothing further is justified or appropriate.

F. Placing Portions of High-Voltage Power Lines Underground Would Create Reliability Concerns as well as Greater Environmental Impacts

The DEIR proposes two project alternatives – PLR-3A and PLR-3B – that add a “strategic underground section” of the Proposed Project’s new, double-circuit 70 kV power line through the Golden Hill Road area of Paso Robles around San Antonio Winery. The two alternatives are similar except that Alternative PLR-3A extends underground in front of the San Antonio Winery, while PLR-3B extends behind it. The stated reason for undergrounding high-voltage lines in this location is “because this area does not have existing aboveground transmission or distribution electrical infrastructure and is an up-and-coming area with new commercial development, recreational uses, and existing single-family residential development.” (DEIR, at 3-74.) In fact, the surrounding area is largely empty parcels or industrial/commercial, with only 6-9 large residences lining this 1.2-mile route. Ironically, if aesthetics is the justification, the transition stations needed at each end of the underground sections would likely create greater visual impacts in the area. Residents in the northern section of the proposed undergrounding would be burdened not only with a transition station, but also the loss of trees and other vegetation along the underground circuit routes due to the underground construction and need to keep the right of way clear of deep-rooted vegetation. (*See* Section III.C below.)

Aside from aesthetics, undergrounding sections of high-voltage transmission lines (also referred to as hybrid lines because they combine overhead and underground sections) raises the following additional concerns:

1. Limiting Transmission-Level Service Available to Large Block Loads

Installing a hybrid line could jeopardize the availability of power critical to large transmission-level block loads that may want to locate within the Golden Hill Industrial Park. First, the cost to serve a large customer from an underground transmission section of line would likely be prohibitive for the customer since one of the underground circuits would have to be looped in and out of the customer's substation facility (*see* paragraph 5 below). Moreover, serving these large transmission-level block loads with hybrid lines would be ill-advised for the reliability concerns described in paragraphs 2-3 below.

2. Lengthy Fault Outages

The DEIR alludes to the challenges of isolating faults along an underground line, and the time it could take to do so. It suggests, however, that transition stations at each end of the underground sections would address the issue of lengthy outages, which is only partially true. Transition stations with monitoring capabilities (differential type relays) would be able to determine whether a fault is located in the underground portion of the line; if it is not, local repair crews would be able to concentrate repair efforts on the overhead sections of the line and handle repairs more quickly. With differential relays detecting no faults, retesting of the underground line segment could occur as soon as the line cools – in about 30 minutes. However, if the fault is in an underground section of the lines, lengthy outages can be expected, as PG&E's transmission underground crews must travel from Daly City to the underground segment, locate the electrical fault cause, and make the repairs.

As the DEIR points out, lengthy delays would occur if transition stations are not constructed:

Without the transition stations and their electrical current differential sensing, the underground section of line would need to remain de-energized after any circuit fault and be patrolled and inspected by an underground specialist prior to re-energizing. This means that the entire circuit would remain de-energized until the underground section can be patrolled and inspected and cleared for re-energization. This could substantially lengthen the restoration time following a circuit fault, particularly given the fact that all Pacific Gas and Electric Company (PG&E) underground specialists are located in the San Francisco Bay Area and would need to travel down to the central coast area. (DEIR pp.3-74 to 3-75.)

However, even with transition stations, a problem in the underground line section will require a lengthy trip for the troubleshooters, and a lengthy repair.

3. Dig-Ins

Unlike overhead lines, underground lines are also vulnerable to dig-ins from excavations or directional drilling. While such issues are uncommon, the outages can be lengthy. For a dig-in that takes a line out of operation, PG&E's underground crews must travel from Daly City to

the underground segment, locate the electrical fault cause, and excavate to make the repairs, including cable replacement and splicing. Such a repair would take a minimum of 4 weeks.

4. Construction Impacts

It is unclear from the DEIR whether there is adequate space along the proposed routes to ensure at least 15 feet between duct banks and manholes, but this spacing would be mandatory to safely operate the lines. Closer spacing can increase heat transfer between circuits, and reduce the ampacity of each circuit, or create unsafe inducted voltages from the adjacent, energized circuit during servicing. While PG&E evaluated the conductor spacing from available above ground utility markers as part of the feasibility review, it did not conduct pot-holing to validate if there are any subsurface conflicts.

Underground construction of a double-circuit, 70 kV line will significantly extend the construction schedule, prolong construction impacts and create additional environmental impacts. Underground line construction requires three main phases, with construction of one circuit being completed before construction of the second circuit is begun.

1) Trenching/Duct Bank Installation. After the two circuit routes are marked and determined to be free of underground obstructions, the pavement or cement within the first trench line will be removed. Jackhammers will be used to break up sections of concrete that the saw-cutting and pavement-breaking machines cannot handle. The typical trench dimensions for installation of a single circuit will measure approximately 2 feet wide by 6 feet deep, although typical trench depths may vary depending on soil stability and the presence of existing substructures. The trench will be widened and shored where needed to meet California Occupational Safety and Health Administration safety requirements. Dewatering will be conducted using a pump or well points to remove water from the trench.

A maximum open trench length of 150 to 300 feet in or along the street will be typical at any one time, depending on local permitting requirements. Steel plating will be placed over the trench to maintain vehicular and pedestrian traffic across areas that are not under active construction. Traffic controls will also be implemented to direct local traffic safely around the work areas.

As the trench for the underground 70 kV cable is completed, PG&E will install the cable conduit, ground wire, and concrete conduit encasement duct bank. The duct bank typically will consist of four 6-inch-diameter polyvinyl chloride (PVC) conduits (PG&E may elect to install 1-2 spare conduits for future use). The dimensions of the duct bank will be approximately 24 inches wide by 34 inches in height. Once the PVC conduits are installed, thermal-select or controlled backfill will be transported, placed and compacted. A road base backfill or slurry concrete cap will be installed, and the road surface will be restored.

The installation of the first trench and duct bank, in or along streets, will be completed before starting the installation of the second trench due to traffic control and congestion concerns.

2) Vault Installation. Splice vaults will be installed at approximately 1,600- to 2,000-foot intervals during trenching (approximately 10-12 vaults total for this segment). The total excavation footprint for a vault will be approximately 22 feet long by 12 feet wide by 10 feet deep. Installation of each vault will occur over a one-week period with excavation and shoring of the vault pit followed by delivery and installation of the vault, filling and compacting the backfill, and repaving the excavation area. Each underground circuit will require its own set of splice vaults (5-6 vaults per circuit over the 1.2-mile route).

3) Cable Pulling, Splicing and Termination. After installation of the conduit and splice vaults, PG&E will install cables in the duct banks. Each cable segment will be pulled into the duct bank, spliced at each of the vaults along the route, and terminated at the transition stations.

As noted in the DEIR, construction of the underground segment would take approximately one year (DEIR p. 3-86), adding approximately 9-12 months to the Project construction schedule. Traffic, air quality, noise and other construction impacts would be shared by residents and businesses in the area.

5. Excessive Increased Cost of Undergrounding

The DEIR cost estimates (Table 5-3, Alternative 1 Combination with Undergrounding) appear incorrect. The table indicates a 1.1-mile underground segment, while actually the segment is 1.2 miles long. Therefore, using the DEIR per mile cost, the resulting cost of undergrounding 1.2 miles would be \$21.2 million. However, according to PG&E experts, the per mile cost shown in Table 5-3 would be for a single circuit. The cost to install both circuits underground (which are in entirely different trenches at least 15 feet apart) would be over \$40 million. The cost for the 1.2-mile underground segment would be approximately 12 times the cost of 1.2 miles of the new overhead circuits (a \$3.6 million cost for the 1.2-mile, overhead, double circuit section is derived from DEIR Table 5-3). The extremely high cost to install underground transmission lines is unwarranted here and would be an unfair burden on ratepayers.

G. Mitigation Measures Should Not Apply To the Reasonably Foreseeable Distribution Components Because the PTCs Will Not Authorize Their Construction

The PTCs sought by the Applicants do not include authorization for PG&E to construct the reasonably foreseeable distribution components. The mitigation measures in the PTCs will apply to the project components Applicants are authorized to construct under the PTCs. Because PG&E is not seeking authority to construct the reasonably foreseeable distribution components under the PTCs, mitigation measures imposed under the PTCs should not apply to the reasonably foreseeable distribution components. For example, Mitigation Measure HYD/WQ-1 should be deleted. In addition, all references to "RFDC" in the "Applicability" column of the Mitigation Monitoring and Reporting Plan (DEIR Appendix F) should be deleted. PG&E will comply with all applicable laws and regulations if and when it constructs the distribution components, and will implement appropriate APMs, including those described in the DEIR if applicable at the time.

III. Comments on Impact Analysis and Mitigation Measures

A. Because Impact AG-1 Is Not a Significant and Unavoidable Impact, Mitigation Measure AG-1 Should Be Removed or Revised To Be More Practicable

1. The Permanent Conversion of Farmland Resulting from the Proposed Project Is Below the Significance Threshold Used Previously by the CPUC, Which Should Be Used Here

The CPUC determined that the Proposed Project's permanent conversion of 2.66 acres of Farmland of Statewide Importance, 11.70 acres of Unique Farmland and less than 0.01 acres of Prime Farmland is a significant and unavoidable impact. This conclusion is at odds with the threshold of significance applied by the CPUC in several recent siting cases. The CPUC appears to have interpreted the question posed in CEQA Guidelines Appendix G—whether the Proposed Project would “Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance . . . to nonagricultural use”—to be a significance threshold so that any amount greater than zero acres of permanent conversion of Prime Farmland, Unique Farmland or Farmland of Statewide Importance is a significant impact. However, the first paragraph of Appendix G: Environmental Checklist Form of the CEQA Guidelines specifically notes that “the sample questions in [Appendix G] are intended to encourage thoughtful assessment of impacts, and do not necessarily represent thresholds of significance.” Subsequent caselaw confirms that lead agencies are not required to use any of the questions in the checklist as standards of significance and may develop their own thresholds instead. *See e.g., San Francisco Baykeeper, Inc. v State Lands Comm'n* (2015) 242 CA4th 202, 227; *Save Cuyama Valley v County of Santa Barbara* (2013) 213 CA4th 1059, 1068; *Mount Shasta Bioregional Ecology Ctr. v County of Siskiyou* (2012) 210 CA4th 184, 205.

The significance threshold applied here contrasts with other siting proceedings in which the CPUC applied a standard of significance for permanent impacts to agricultural resources based on the Williamson Act's declaration that farmland is large enough to sustain agricultural use if it is at least 10 acres of prime farmland or at least 40 acres for land that is not prime farmland. Cal. Government Code § 51222. *See* Shepherd Substation Project IS/MND (May 2012)), pp. 3.2-8 to 3.2-9; Sanger Substation Expansion Project IS/MND (March 2017), p. 5.2-4; Gill Ranch Gas Storage Project Final Initial Study/MND (September 2009); SCE's Devers-Palo Verde No. 2 Transmission Line Project EIR (October 2006). *See also* SCE's Antelope-Vincent 500 kV Project, where the CPUC found that the total amount of Prime Agricultural Land that would be permanently disturbed could exceed “the 10 acres for Prime Farmland that has been established as the threshold level of significance for conflicting with a Williamson Act contract, thereby resulting in significant and unavoidable impacts.” (D.07-03-045, March 15, 2007.) In other projects, the CPUC simply found the amount of converted farmland negligible compared to the amount of farmland available in the county-wide area. *See* Fulton-Fitch Mountain Reconductoring Project IS/MND (October 2017), p. 3.2-7; SCE Valley-Ivyglen and Alberhill Projects' combined EIR (April 2017), p. 4.2-6.

The significance threshold in these prior cases is far more reasonable than the illogical threshold proposed in the DEIR. The “greater-than-zero” threshold applied in the DEIR would

result in a significant impact finding for any project that permanently converts any measurable amount of Prime Farmland, Unique Farmland or Farmland of Statewide Importance, potentially triggering an EIR for most projects that currently could be analyzed with an mitigated negative declaration (MND). Applying instead the significance threshold endorsed by the CPUC in the Sanger Project and other projects mentioned above, the proposed Estrella Substation site – which would permanently convert 14.36 acres of Farmland of Statewide Importance and Unique Farmland and less than 0.01 acres of Prime Farmland – would be less than the 10-acre significance threshold for prime farmland and less than the 40-acre significance threshold for non-prime farmland. In short, under this threshold, substation construction would not result in a significant conversion of agricultural resources.

The DEIR’s analysis of agricultural impacts of the proposed 70 kV line demonstrates the absurdity of relying on the greater-than-zero significance threshold. The DEIR concludes that the proposed power line route would result in a significant impact to agricultural resources because it would convert less than 0.01 acres of Prime Farmland, less than 0.01 acres of Farmland of Statewide Importance, and approximately 0.06 acres of Unique Farmland.³ Under the significance threshold adopted by the CPUC on previous projects, and under any logical analysis, these minimal conversions of farmland due to construction of the 70 kV line would be found less than significant.

2. In Finding Conservation Easements Insufficient Mitigation for Impacts Due to Farmland Conversion, the DEIR Ignores the 2018 Amendment to the CEQA Guidelines’ Definition of Mitigation

Even if there were a significant impact due to farmland conversion, the DEIR is mistaken in concluding that Mitigation Measure AG-1 would not reduce it to a less-than-significant level. Given the 2018 amendments to the definition of mitigation in the CEQA Guidelines,⁴ as explained by the California Natural Resources Agency and endorsed by the Department of

³ The DEIR also fails to consider the Unique Farmland and Farmland of Statewide Importance that would be restored following the removal of the existing distribution poles and the existing 230 kV tower located in the general vicinity of the proposed Estrella Substation. Four existing poles to be removed are located on Unique Farmland and four are located on Farmland of Statewide Importance. The existing 230 kV tower to be removed is located in Unique Farmland. Agricultural crops were previously removed within an area around each existing distribution pole equal to approximately 10 feet in diameter, returning this area back to agricultural use would result in a net reduction of permanent impacts by approximately 314 square feet of Unique Farmland and 314 square feet Farmland of Statewide Importance. Agricultural crops were previously removed within an approximately 100-foot by 50-foot area around the existing 230 kV tower, returning this area back to agricultural use would result in a net reduction of permanent impacts by approximately 5,000 square feet (0.12 acre) of Unique Farmland. The DEIR should be revised to account for this restored farmland.

⁴ On December 28, 2018, Section 15370(e) of the CEQA Guidelines was revised to define mitigation as: “Compensating for the impact by replacing or providing substitute resources or environments, including through permanent protection of such resources in the form of conservation easements.” (Underlining to show new text.) The revised version of Section 15370(e) applies to this DEIR because they were in effect when the document was sent out for public review in December 2020. The revised definition places establishment of conservation easements on the same footing as replacing or providing substitute resources when it comes to the adequacy of the mitigation; it does not create a second-tier level of mitigation for conservation easements.

Conservation,⁵ conservation easements are appropriate and available to mitigate significant impacts from the loss of farmland.

To conclude otherwise could establish a precedent that mandates a significant and unavoidable impact finding for any project that permanently converts any measurable amount of Prime Farmland, Unique Farmland or Farmland of Statewide importance, triggering an EIR for numerous projects that could otherwise be analyzed with an MND. In light of the revised definition of mitigation in CEQA Guidelines Section 15370(e), statements by the California Natural Resources Agency in the FSOR, observations by the Department of Conservation, and the far reaching consequences of maintaining the current analysis, the CPUC should acknowledge that conservation easements such as those proposed in Mitigation Measure AG-1 can be used to reduce significant impacts due to farmland conversion – when needed – to a less-than-significant level.

While PG&E disagrees that the Project would create a significant impact due to farmland conversion, PG&E is willing to implement Mitigation Measure AG-1 for the Proposed Project (with revisions – see comment below) in recognition that the Project will cause some loss of farmland. PG&E will contribute funds or otherwise arrange for creation of conservations easements equal to the acreage impacted by its part of the Proposed Project to ensure the protection and preservation of high-quality farmlands elsewhere in San Luis Obispo County. PG&E believes that Mitigation Measure AG-1 would further reduce less-than-significant impacts due to farmland conversion.

3. Mitigation Measure AG-1 Needs Revision To Be Practicable

To the extent that Mitigation Measure AG-1 is required, PG&E concurs in the comments by HWT regarding text changes that should be made to Mitigation Measure AG-1 to make it more practicable and effective. Specifically, the measure should be revised to allow HWT and PG&E to utilize other comparable mitigation measures that would achieve conservation easements for farmland, such as through agreements with landowners to establish and record a

⁵ The California Natural Resources Agency stated in its Final Statement of Reasons (FSOR) document for the December 2018 revisions to the CEQA Guidelines that it revised the definition of Section 15370(e) to incorporate the holding in *Masonite Corporation v. County of Mendocino* (2013) 218 Cal.App.4th 230, in which the First Circuit “ruled that off-site agricultural conservation easements constitute a potential means to mitigate for direct, in addition to cumulative and indirect, impacts to farmland. The court stated that although such easements do not replace lost onsite resources, they ‘may appropriately mitigate for the direct loss of farmland when a project converts agricultural land to a nonagricultural use....’” (FSOR at 92-93.) The Natural Resources Agency also notes that conservation easements are commonly used to mitigate impacts to other resources, such as biological resources. (FSOR at 93.)

The Department of Conservation also notes that conservation easements are commonly used to mitigate impacts to farmland. “Conservation easements are an available mitigation tool and considered a standard practice in many areas of the State. As such, the Department advises the use of permanent agricultural conservation easements on land of at least equal quality and size as partial compensation for the direct loss of agricultural land. Conservation easements will protect a portion of those remaining land resources and lessen project impacts in accordance with CEQA Guidelines § 15370. The Department highlights this measure because of its acceptance and use by lead agencies.” (Department of Conservation website: [https://www.conservation.ca.gov/dlrp/Pages/CA-Environmental-Quality-Act-\(CEQA\)-.aspx](https://www.conservation.ca.gov/dlrp/Pages/CA-Environmental-Quality-Act-(CEQA)-.aspx) (visited on February 9, 2021).

conservation easement, or through contributions to a local agency to achieve the agricultural land conservation requirement. Proposed text changes to Mitigation Measure AG-1 are as follows:

HWT and PG&E, prior to the completion of Proposed Project or alternative construction, shall finalize and effectuate any combination of the following as long as the total acreage in the aggregate equals the amount required by the conservation ratio specified below: either (1) contribute sufficient funds, in an amount equal to the fair market value (determined as of the date construction commenced) of each acre for which the contribution is made, (i.e., adequate to support the conservation ratio described below) to the California Farmland Conservancy Program to compensate for the loss of Farmland of Statewide Importance and Unique Farmland that would occur from the Proposed Project or alternatives, or to another public agency or non-profit organization able to achieve long-term preservation of agricultural lands in San Luis Obispo County; and/or (2) enter into and record one or more conservation easements with landowners for specific farmland in San Luis Obispo County. The California Farmland Conservancy Program is established under PRC Sections 10200-10277 to promote the long-term preservation of agricultural lands in California through the use of agricultural conservation easements and is one potential recipient of any contribution in clause (1) above. The acreage for which amount of HWT's and PG&E's contributions are made in clause (1) above, together with any acreage preserved through recorded conservation easements in clause (2) above, shall equal a minimum total ensure the conservation of one acre of agricultural land in San Luis Obispo County for each acre of agricultural land converted by their respective components associated with the Proposed Project or alternatives, based on the market price for the commensurate agricultural land at the time that the impacts occur.

B. CPUC's Analysis of Aesthetic Impacts for the Proposed Power Line Route Improperly Considers Private Views as Determining Factors of Significance

Within the Golden Hill Road area north of State Route (SR-) 46, the proposed 70 kV power line route would traverse a commercial/industrial area. Overhead power lines are common features within commercial/industrial areas and align with viewer expectations, resulting in less severe changes to visual character and quality than if constructed in a more rural area that tends to lack engineered landscape features. Because commercial/industrial areas typically have low viewer sensitivity, the Applicants strategically selected this portion of the proposed route to avoid sensitive viewers to the maximum extent possible. The route was further modified to avoid other potentially visually sensitive land uses such as the San Antonio Winery. North of the San Antonio Winery, the proposed route parallels Golden Hill Road.

The DEIR finds that the portion of the proposed route running north of San Antonio Winery parallel to Golden Hill Road would cause a significant and unavoidable aesthetic impact. The DEIR cites the moderate-to-high visual quality of the area, lack of existing power line infrastructure, and presence of the Cava Robles Recreational Vehicle (RV) Park property to the east as supporting evidence. (DEIR p.4.1-41.)

While the area does contain moderate-to-high visual quality and lacks existing power line infrastructure, the presence of the Cava Robles RV Park in the vicinity of the proposed route should not be a basis for determining visual significance. First, as the DEIR acknowledges at page 4.1-38, the significance criterion under which the DEIR found a significant and unavoidable impact (criterion c) only protects public views. (*See* CEQA Guidelines, App. G, §I.c (rev. effective 12-28-2018); *see also Mira Mar Mobile Community v. City of Oceanside* (2004) 119 Cal. App. 4th 477, 492 (“question is whether a project will affect the environment of persons in general, not whether a project will affect particular persons”).) Because Cava Robles RV Park is a private recreational facility, it should not be a factor in the DEIR’s determination of significance. Second, the DEIR states that the Cava Robles RV park is designated as Parks and Open Space by the City of Paso Robles, seeming to imply that the power line would be visually incompatible with this land use designation even though the power line would not cross Cava Robles RV Park property. The fact that the power line would be sited outside the RV park should preclude the CPUC from relying on its land use designation to identify an incompatible aesthetic impact of an adjacent use. For these reasons, the DEIR improperly considers the proximity of the Parks and Open Space designation as a contributing factor in its determination of significance.

The removal of Cava Robles RV Park from consideration in the aesthetics analysis would leave only the moderate-to-high visual quality and lack of existing power line infrastructure along Golden Hill Road as the sole determinants of the impact determination. The significant impact identified at Key Observation Point (KOP) 6 should be weighed against the entirety of the proposed route, which the DEIR acknowledges would result in only incremental impacts. (DEIR p. 4.1-41.) Accordingly, PG&E disagrees with the CPUC’s significant and unavoidable impact determination.

C. The DEIR’s Analysis of Alternatives PLR-3A and PLR-3B Does Not Adequately Consider Impacts to Aesthetics, Noise, Air Quality, and Biological Resources, Which Indicate that these Alternatives Are Not Environmentally Preferable to the Proposed Project

The DEIR concludes that Alternatives PLR-3A and PLR-3B (referred to in this comment as Alternative PLR-3 for simplicity) would avoid the significant adverse aesthetic effects identified along Golden Hill Road and, as a whole, are environmentally preferable to constructing the proposed overhead 70 kV line. This conclusion is inconsistent with the aesthetic, noise, air quality and biological resource impacts of Alternative PLR-3 identified in the DEIR.

The DEIR fails to adequately account for the visual impacts resulting from the two 150-foot by 150-foot transition stations that would need to be constructed at each end of the underground segment, particularly from the visual impact of the northern transition station. The northern transition station would permanently impact approximately 0.5 acres of blue oak woodland habitat, including removal of up to 47 oak trees, which the DEIR neglected to consider from an aesthetics perspective. Further, the northern transition station would introduce industrial facilities into an area that currently lacks utility infrastructure, a circumstance that was

considered a key determinant of the significant and unavoidable impact determination for the proposed route of the overhead line. In addition, constructing the underground 70 kV circuits would require the permanent removal of the strip of oak trees north of KOP 6, resulting in a permanent aesthetic impact. As such, the DEIR applies an inconsistent standard of review when evaluating the significance of aesthetic impacts between Alternative PLR-3 and the proposed route.

The DEIR does not adequately consider the increased permanent impacts to noise that would result from operation of the northern transition station. The transition stations would include an HVAC unit, which would be a permanent source of noise. Because the northern facility would be located within 50 feet of a residence and within 300 feet of the Cava Robles RV Park, this permanent source of noise should be disclosed in the DEIR and accounted for in the comparison of Alternative PLR-3 to the proposed above-ground 70 kV line in this area.

The DEIR does not adequately consider the impacts from fugitive dust and diesel particulate matter on the Cava Robles RV Park or Circle B HOA residents. The DEIR states: “However, the limited construction duration in any particular location and relatively sparsely populated area surrounding the Alternative PLR-3 alignments (both options) would result in low potential for fugitive dust or diesel particulate matter (DPM) to impact sensitive receptors during construction.” (DEIR, p. 4.3-24.) While it is true the area is relatively sparsely populated, the Cava Robles RV Park and Circle B HOA are in close vicinity to the alignments. Guests and residents would be exposed to fugitive dust and DPM for several months longer than they would during construction of the proposed above-ground 70 kV line.

Regarding biological resources, the construction of the northern transition station would result in the permanent loss of foraging habitat for special-status raptors. The loss of foraging habitat and its effect on special-status raptors was not analyzed in the DEIR. Further, the DEIR’s assertion that Alternative PLR-3 would reduce significant impacts on special-status raptors due to reduced potential to cause electrocution or collision hazards for birds fails to acknowledge that these impacts can be reduced to less than significant levels with implementation of PG&E’s Avian Protection Plan, which is equal to or greater than the standards provided in the Suggested Practices for Avian Protection on Power Lines.

In summary, the permanent aesthetic, noise, air quality and biological impacts of Alternative PLR-3 must be taken into consideration in the DEIR. Based on these impacts, Alternative PLR-3 is not environmentally preferable to the Proposed Project.

D. PG&E’s Updated Assumptions on Helicopter Use and Other Construction Details Change the Air Quality Impact Determination to Less than Significant With Mitigation

The DEIR overestimates the air quality emissions from the Proposed Project based on exaggerated assumptions about helicopter use: “The helicopter was assumed to operate for 132 days with up to 10-hour days and it was assumed to have up to 20 LTOs [landing take offs] per day.” (DEIR p. 4.3-12.) In fact, both the usage and the trips will be substantially less. The PEA stated that “helicopter activities will be limited (where access or local terrain conditions prohibit

the work from being conducted by ground-based crews and equipment, or during conductor installation and removal activities),” (PEA p. 3.3-21), and did not estimate daily hours or trips. However, the PEA did estimate that helicopters would be used “for about 132 days during the 7-month construction period.” (*Id.*) With the latest project information available, PG&E was able to revise and clarify previous assumptions about helicopter use for greater accuracy (*see* Attachment 4 hereto [Helicopter Noise Analysis]). Under these updated calculations, the light/medium lift helicopter (only required for the 70 kV Power Line Conductor Installation) is assumed to operate for 6 days with approximately 4.3-hour days and have up to 10 LTOs per day. The heavy lift helicopter (only required for the Reconductoring Segment Pole Installation / Transfer Distribution / Pole Removal) is assumed to operate for 5 days with approximately 2.5-hour days and have up to 14 LTOs per day.

The construction schedule was also updated to account for the phasing of construction and the addition of one week of grading at the 230 kV substation. The number of truck trips for the 230 kV substation was also updated based on reduced distance for delivery of aggregate materials during the Access Roads phase, increased number of trips for material deliveries during the Foundation Construction phase, reduced distance for water delivery due to use of the well adjacent to the site (except for the Control Enclosure Delivery and Installation and Testing and Commissioning phases), and addition of trips for the top soil reuse during the Cleanup and Restoration phase.

With these updated assumptions, the air quality impacts and greenhouse gas emissions were recalculated to account for the changes to helicopter use, schedule and trips, as well as the emissions reductions from implementation of APMs and mitigation measures (*see* Attachment 3 hereto [Revised Air Quality Analysis]). The revised calculations indicate that air quality and greenhouse gas impacts would be less than significant with implementation of the APMs.

Under the original calculations, the DEIR concludes that reactive organic gas (ROG) and nitrogen oxides (NOX) emissions would be significant even with the implementation of mitigation measures:

Even with the implementation of APM measures, construction-related ROG and NOX emissions threshold exceedances would be considered a significant impact. Mitigation Measure AIR-1 [sic] is proposed to reduce potentially significant impacts, requiring implementation of SLOPCD standard mitigation measures, BACT, and preparation of a site-specific CAMP that must be reviewed and approved by the APCD prior to the start of construction. The CAMP would be a comprehensive document that captures all pollutant emission reduction measures to be implemented for the approved project. Approval by the APCD would ensure all feasible and appropriate mitigation measures have been incorporated.

Even with implementation of Mitigation Measure AIR-1 [sic], ROG and NOX emissions would still be expected to exceed significance thresholds; therefore, this impact would result in a cumulatively considerable increase in criteria pollutants for which the region is in non-attainment, and the impact remains significant and unavoidable. (DEIR p. 4.3-17.)

The basis for this significant impact determination is not substantiated because the DEIR does not quantify mitigated emissions. In any event, with the revised calculations, the Proposed Project will not exceed the daily or quarterly threshold for ROG and NOX emissions.

The Final EIR should be updated to incorporate these revised calculations and MM AQ-1 should be deleted.

E. PG&E's Revised Noise Analysis Shows that Helicopter Noise Impacts Are Less than Significant with Mitigation, Not Significant and Unavoidable

The DEIR uses the Federal Transit Administration (FTA) guidelines in the Transit Noise and Vibration Impact Assessment Manual to evaluate the significance of construction noise impacts; however, this manual is for transit projects and is inappropriate for determining the noise threshold of significance for the proposed utility project. Significance criterion a asks if the project would result in the "Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in a local general plan or noise ordinance or in the applicable standards of other agencies." (Emphasis added.) As stated in the DEIR, "No federal laws, regulations, or policies for construction-related noise and vibration apply to the Proposed Project" (DEIR p. 4.13-4) and the FTA guidelines are not applicable to utility projects. Therefore, the Project would not increase ambient noise levels above any applicable standards and the DEIR should have found a less-than-significant impact under criterion a.

Even if the FTA guidelines were applicable, the DEIR's reference to the construction noise criteria of 90 A-weighted decibel (dBA) equivalent sound level (L_{eq}) for residential land uses is misleading. It does not specify that the criteria is 90 dBA $L_{eq(1hr)}$, which is the A-weighted equivalent sound level metric normalized over a one-hour time period, not an instantaneous value.

As stated previously, the helicopter assumptions in the DEIR are inaccurate and resulted in an overestimate of the helicopter noise levels. PG&E has updated and clarified the assumptions about helicopter use and recalculated the noise levels in Attachment 4 hereto (Helicopter Noise Analysis). As a result of the reduced helicopter use, the distance from the helicopter activities to 90 dBA $L_{eq(1hr)}$ is substantially reduced. As described in the DEIR, there are residences as close as 100 feet to planned helicopter landing zones in this area and helicopters operating above pole installation locations could be as close as approximately 250 feet to residences. The light/medium lift helicopter to be used for the installation of conductor on the New 70 kV Power Line will not result in noise levels above 90 dBA $L_{eq(1hr)}$ at any distance. The heavy lift helicopter to be used for the Pole Installation / Transfer Distribution / Pole Removal on the Reconductoring Segment will not result in noise levels above 90 dBA $L_{eq(1hr)}$ at the residences from the helicopter landing zones or the pole installation locations, but may result in noise levels above 90 dBA $L_{eq(1hr)}$ for brief time periods at sensitive receptors along or within 858 feet of the flight paths. Travel along the flight paths will require less than two hours per day for five days and will move regularly along the flight paths. Due to the limited duration of travel along the flight paths, the mobile nature of the flights, implementation of APM

NOI-1 (Construction Schedule Limits) and APM AG-1 (Coordinate with Landowners, Farmers, and Ranchers Regarding Construction Activities), implementation of Mitigation Measure NOI-2 (as modified in Attachment 1 hereto [Text Corrections and Requests for Clarification]), and the inapplicability of the FTA noise threshold, residences along helicopter flight paths for the Reconductoring Segment would not experience significant helicopter noise impacts. As a result, noise impacts from helicopter use will be less than significant with the implementation of these measures.

Using the updated helicopter assumptions and recalculated noise levels, the distances referenced in Mitigation Measure NOI-2 must be revised. Mitigation Measure NOI-2 should also be revised because securing written permission from sensitive receptors is not feasible and helicopters are required for construction. Accordingly, Mitigation Measure NOI-2 should be revised as follows:

~~HWT~~ and PG&E shall implement the following procedures for helicopter activities:

- *Public Notice. Residences and places of worship (e.g., The Cove) within ~~1450~~ 858 feet from ~~any location where helicopter activities may occur, including flight paths if applicable,~~ shall be provided ~~written~~ notice at least ~~30~~ 14 days prior to beginning heavy lift helicopter activities to inform them of the schedule for helicopter use and potential noise disruptions. Methods for receptors to reduce noise in structures shall be included in the notice (i.e., closing doors and windows facing the alignment). The notice shall describe procedures for submitting any noise complaints during construction and provide a phone number for submitting such complaints, as required by MM NOI-1.*
- *Flight Paths. Helicopter flight paths shall be planned along routes that would result in the least noise exposure possible to receptors. If helicopter noise complaints are received, work crews will attempt to adjust the flight paths to reduce noise exposure to the complainant, without substantially increasing noise exposure to other receptors.*
- *Helicopter Hovering. ~~Light/medium~~ Heavy lift helicopters shall not operate closer than ~~200~~ 100 feet from any receptors unless actively working at pole locations along the alignment. Helicopters may operate closer than these distances if all affected receptors are notified ~~agree in writing to a shorter distance~~. Prior to reducing the minimum distance from receptors, PG&E shall provide the CPUC with the names, and ~~and~~ contact information, ~~and written agreements~~ for all affected persons notified within the applicable distances. ~~The written agreements shall clearly identify the anticipated helicopter noise levels, daily schedule, and duration of helicopter activities in the vicinity.~~*
- *Helicopter Landing Zones. Helicopter landing zones within staging areas shall be positioned as far as possible from receptors. Helicopter landing zones shall not be positioned closer than ~~1,450~~ 100 feet from any receptor.*

Helicopters may land closer than these distances if all affected receptors are notified ~~agree in writing to allow a shorter distance.~~

F. The Mitigation Monitoring and Reporting Program Should Be Revised to Eliminate Certain Conditions and Clarify Which Applicant Each Mitigation Measure Applies To

The mitigation measures should be drafted so that it is clear which applicant is obligated to comply with each measure and which project component the mitigation measure applies to. PG&E recognizes that sometimes a mitigation measure will apply to both applicants and/or all project components, however certain mitigation measures should be revised to correctly state which applicant is responsible for implementing the measure.

1. Mitigation Measure BIO-3 Requires Clarification

First, this mitigation measure only applies to PG&E because HWT is not constructing any of the 230 kV interconnection or the 70 kV powerline.

Second, it is unnecessary for PG&E to create an additional project-specific Avian Protection Plan (APP) document to detail avian-safe construction standards for the Proposed Project. PG&E will implement the company's Avian Protection standards, which are consistent with the Avian Power Line Interaction Committee's (APLICs) guidelines (APLIC 2006 and APLIC 2012) and are tested and considered in conjunction with other required power line engineering standards. PG&E funds an annual bird-safe retrofit program and builds new construction to raptor-safe standards as outlined in the APLIC guidance. Potential impacts will be further minimized by the installation of specular conductor that will be more visible for the birds and allow them time to adjust to the new facilities. In addition, avian protection measures outlined in *Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006* (APLIC 2006) will be implemented. Therefore, PG&E proposes that the text of Mitigation Measure BIO-3 be revised as follows:

“In conjunction with these publications, ~~HWT and~~ PG&E shall be responsible for implementing the company's creating an Avian Protection Plan (APP) standards that incorporates relevant project-specific raptor-safe construction guidelines found in APLIC's and USFWS' 20056 Avian Protection Plan Guidelines.”

Third, Mitigation Measure BIO-3 should be revised to clarify that it does not apply to the 230 kV interconnection. APLIC does not have phase to phase recommendations for high voltage lines in the 230kV range, since the spacing between higher voltage lines is such that it does not present a substantial threat of bird electrocution, even for larger species. Because there are no guidelines, there is no way to design the 230kV interconnection to APLIC standards.

Lastly, Mitigation Measure BIO-3 requires coordination and approval from CDFW and/or USFWS when no-disturbance buffers are reduced. It is not appropriate or feasible for PG&E to seek approvals for buffer reductions pertaining to individual nests from CDFW or USFWS, as there is no specific mechanism (beyond California Fish and Game Code or

Migratory Bird Treaty Act take prohibitions) for either agency to grant approvals for particular nest buffer distance reductions. Therefore, the text of Mitigation Measure BIO-3 should be revised as follows:

“If an active nest is found, the biologist shall establish a no-disturbance nesting buffer until the nest is inactive in accordance with the species-specific buffers set forth in PG&E’s Nesting Birds: Specific Buffers for PG&E Activities (Appendix E to the PEA) as detailed in APM Bio-2. If operational construction activities must occur within this buffer, the biologist shall inform e-coordinate with CPUC, CDFW and, as necessary, USFWS as to the details of the determine buffer reductions and/or nest monitoring to avoid impacts to active nests.”

2. Mitigation Measure TR-1 Must Be Revised To Acknowledge that Each Encroachment Permit Obtained by the Applicants Will Require the Preparation of a Traffic Control Plan

Mitigation Measure TR-1 is unworkable as written because it would require the Applicants to develop a single traffic control plan. The Applicants will need to obtain numerous encroachment permits, including multiple permits each from CalTrans, San Luis Obispo County and the City of Paso Robles, over the course of constructing the Proposed Project. Each encroachment permit will require the preparation of a traffic control plan that is specifically tailored to the location of the encroachment, the traffic conditions during that time of the year, the time of day during which construction activities will occur, the nature of the construction activities themselves, and the requirements of the agency issuing the encroachment permit. This is why it is not possible to develop a single traffic control plan that would satisfy the requirements of all of the encroachment permits that the Applicants must obtain.

Accordingly, Mitigation Measure TR-1 should be revised as follows:

HWT and PG&E shall each implement a traffic control plans during Proposed Project construction and/or during construction of the reasonably foreseeable distribution components or selected alternative. The traffic control plan will minimize vehicle travel delays and potential roadway hazards on public roadways during construction activities. The traffic control plan may be used to satisfy requirements imposed in in accordance with the applicable encroachment permits from issued by Caltrans, County of San Luis Obispo, and/or City of Paso Robles. The traffic control plans may shall provide for the following, as required by the relevant agency:

- In situations where slow-moving trucks or construction equipment are operated on public roadways (e.g., accessing the Estrella Substation site or staging or work areas along the Proposed Project’s 70 kV power line route), signage and/or flaggers shall be used to warn motorists of potential safety hazards associated with the slow- moving vehicles.*
- For any lane closures, signage, flaggers, and/or other devices shall be used to route vehicle traffic around the construction work area. The traffic control*

measures shall ensure that pedestrians and bicyclists are provided safe passage around the work area, where applicable.

- *For any road closures, detours will be provided and signage, flaggers, and/or other devices shall be used to ensure motorists, pedestrians, and bicyclists are able to safely pass through the detour areas.*
- *Protocols from the applicable agencies to notify police, fire, and other emergency services departments serving the area shall be notified of planned lane or road closures on public roadways at least 48 hours in advance.*
- *Crossing structure installation and, or traffic control for conductor crossings shall occur during periods of low traffic (e.g., avoiding the morning and evening rush hour periods) to the extent practicable.*
- *All warning signs, lights, devices, and procedures used in the construction traffic control plan shall conform to the latest California Manual of Uniform Traffic Control Devices.*

The Applicants can provide the CPUC copies of the various traffic control plans submitted to the agencies upon request.

3. Mitigation Measure NOI-1 Should Not Apply to Ground-Level Construction Activities

Page 4.13-18 of the DEIR states that “ground-level construction noise from the Proposed Project would not be significant given: (1) the limited number of noise-sensitive receptors in proximity to much of the Proposed Project; (2) the relatively rapid attenuation of even the loudest pieces of construction equipment with distance from the source, and (3) the impacts would be temporary and occur over a relatively short duration at individual structure locations or segments of the 70 kV power line alignment (as opposed to work occurring along the entire alignment simultaneously).” Despite the DEIR’s finding of less than significant for ground-level construction noise, the DEIR applies Mitigation Measure NOI-1 to all construction activities (DEIR p. 4.13-18). The DEIR provides no rationale for applying this mitigation measure to all construction activities, and this requirement is unnecessary, especially given that PG&E will implement APM NOI-1 and APM NOI-2 to reduce already less than significant ground level construction noise. Nothing more is required or authorized by CEQA. Accordingly, Mitigation Measure NOI-1 should be revised to not apply to ground-level construction noise.

* * * * *

Mr. Robert Peterson

February 22, 2021

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Thank you for considering PG&E's comments. Please do not hesitate to contact me with any questions.

Very truly yours,

/s/ Mathew Swain

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Attachments: Additional Documents Provided With This Letter:

Attachment 1: Table of Text Corrections and Requests for Clarification

Attachment 2: Comments on Behind the Meter Analysis

Attachment 3: Revised Air Quality Analysis

Attachment 4: Revised Helicopter Noise Analysis

Estrella Substation and Paso Robles Area Reinforcement Project
PG&E Comments on Draft Environmental Impact Report
Attachment 1
Text Revisions and Requests for Clarification

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Executive Summary		
ES-6	Proposed Project construction activities would include site preparation, excavation, installation of equipment and structures, and restoration. Construction of the Estrella Substation would require a survey marking staging areas and work areas, establishment of the private access road, vegetation clearance, fencing installation, grading, installation of culverts and swales, excavation of foundations, installation of facilities, and cleanup and post-construction restoration.	A land survey would not be required to mark staging areas and work areas. Revise text as follows: Proposed Project construction activities would include site preparation, excavation, installation of equipment and structures, and restoration. Construction of the Estrella Substation would require a survey marking staging areas and work areas, establishment of the private access road, vegetation clearance, fencing installation, grading, installation of culverts and swales, excavation of foundations, installation of facilities, and cleanup and post-construction restoration.
ES-11	Under the No Project Alternative, HWT and PG&E would not construct or operate the substation or new and reconducted 70 kV power line segments. The No Project Alternative would not provide transmission system redundancy, increased distribution capacity or improved electrical service reliability, and would not meet any of the project objectives.	Also supports reliability objective.
ES-11	The Bonel Ranch site is located within the County of San Luis Obispo North County Planning Area, El Pomar-Estrella Sub Area, and is currently used to grow alfalfa.	The sub areas are not described for the other substation sites in the Executive Summary chapter. Delete reference for consistency. Revise text as follows: The Bonel Ranch site is located within the County of San Luis Obispo North County Planning Area, El Pomar-Estrella Sub Area , and is currently used to grow alfalfa.
ES-15	CEQA Guidelines Section 15123(b) requires that an Executive Summary identify “areas of controversy known to a lead agency including issues raised by agencies and the public.” To date, a number of issues have been raised regarding the Proposed Project which may be considered controversial, including the following: Potential for overhead power lines to result in various environmental and societal impacts, including aesthetic impacts, fire risk, hazards associated with electromagnetic fields (EMFs), decreased property values, noise impacts, and interference with helicopters used in firefighting.	The EIR should clarify that EMFs and property value considerations fall outside the scope of CEQA. Revise text as follows: CEQA Guidelines Section 15123(b) requires that an Executive Summary identify “areas of controversy known to a lead agency including issues raised by agencies and the public.” To date, a number of issues have been raised regarding the Proposed Project which may be considered controversial, including the following: Potential for overhead power lines to result in various environmental and societal impacts, including aesthetic impacts, fire risk, hazards associated with electromagnetic fields (EMFs), decreased property values, noise impacts, and interference with helicopters used in firefighting. However, CEQA is concerned with impacts on the physical environment; therefore, issues related to EMFs and decreased property values are outside the scope of this EIR.
Chapter 1 - Introduction		
1-1	Per CEQA Guidelines section 15022, CEQA’s basic purposes are to:	The CEQA Guidelines citation is incorrect. Revise text as follows: Per CEQA Guidelines section 15022 <u>15002</u> , CEQA’s basic purposes are to:
Chapter 2 – Project Description		
2-13	Table 2-4, Footnote 3: “The original 190.14 MW from 2016 has been corrected to reflect the true value of 185.50.”	This clarification was made by PG&E in Appendix G to explain the change from previous versions; however, without the original version, this footnote may cause confusion to the public. This footnote should be removed. Remove the following text: The original 190.14 MW from 2016 has been corrected to reflect the true value of 185.50.”
2-18	PG&E to construct, own and operate a new 230 kV transmission line interconnection that will loop the existing Gates-Morro Bay 230kV into Estrella.	The name of the transmission line has changed. Revise text as follows: PG&E to construct, own and operate a new 230 kV transmission line interconnection that will loop the existing Gates-Morro Bay - <u>California Flats</u> 230 kV transmission line into Estrella Substation.
2-21	Power would be supplied by tapping into the existing PG&E Gates- Morro Bay 230kV power line adjacent to the HWT substation site.	The name of the transmission line has changed. Revise text as follows: Power would be supplied by tapping into the existing PG&E Gates-Morro Bay - <u>California Flats</u> 230 kV power transmission line adjacent to the HWT substation site.

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2-61	Once all of the environmental permits from the applicable siting and regulatory agencies have been obtained, and grading and drainage has been constructed for the entire substation site, HWT would sell PG&E the land necessary for construction of the 70 kV substation and 230 kV interconnection.	Revise text as follows: Once all of the environmental permits from the applicable siting and regulatory agencies have been obtained, and grading and drainage has been constructed for the entire substation site, HWT would sell <u>the land and/or grant easements to</u> PG&E <u>the land</u> necessary for construction of the 70 kV substation and 230 kV interconnection.
2-61 and 2-62	Two additional LSTs would be used to complete the interconnection and would be installed on the parcel that would be acquired for the development of Estrella Substation.	Revise text as follows: Two additional LSTs <u>or TSPs</u> would be used to complete the interconnection and would be installed on the parcel that would be acquired for the development of Estrella Substation.
2-63	Site construction fencing would be installed during the site preparation stage, and would require digging to a depth of 4 feet to install fencing anchors.	As stated in our comments on the Draft Project Description, construction fencing would require digging to a depth of 5 feet to install fence footings. Revise text as follows: Site construction fencing would be installed during the site preparation stage, and would require digging to a depth of <u>4-5</u> feet to install <u>fencing anchors</u> <u>footings</u> .
2-64	The control house will be delivered and installed on concrete piers.	The control house will be installed on a concrete slab. Revise as follows: The control house will be delivered and installed on <u>a concrete piers slab</u> .
2-65	The OPGW at each new tower would be secured, an existing LST would be removed, and two LSTs would be installed for the Estrella Substation interconnection.	Changes made to be consistent with Section 2.4 Easement Requirements Revise text as follows: <ul style="list-style-type: none"> • The OPGW at each new tower would be secured; • <u>The relocated 230 kV tower and three LSTs associated with the 230 kV interconnection would be installed within the existing transmission line easement</u> • an existing LST would be removed, and • two LSTs would be installed for the Estrella Substation interconnection • <u>Two additional LSTs or TSPs would be used to complete the interconnection and would be installed on the parcel that would be acquired for the development of Estrella Substation</u>
2-71	Old wood poles would simply be lifted out of the ground using mechanical equipment. Removal of steel poles would occur by excavating an area around the pole to a depth of approximately 2 to 4 feet, or deeper if requested by private property owners. The pole would then be cut off and the remaining base would be buried in place. All removed poles would be transported off site to the staging area or to the PG&E Service Center for reuse evaluation. Bases of the poles would then be removed by excavating the area around the base. The remaining void would then be backfilled with native soil saved from other excavations in the surrounding area. The site would be returned, as near as practicable, to its original contours (or in accordance with prearranged landowner agreements, where applicable).	Revise text as follows: Old wood poles would simply be lifted out of the ground using mechanical equipment. Removal of steel poles would occur by excavating an area around the pole to a depth of approximately 2 to 4 feet, or deeper if requested by private property owners. <u>The remaining void would then be backfilled with native soil saved from other excavations in the surrounding area. The site would be returned, as near as practicable, to its original contours (or in accordance with prearranged landowner agreements, where applicable).</u> The pole would then be cut off and the remaining base would be buried in place. <u>All removed poles would be transported off site to the staging area or to the PG&E Service Center for reuse evaluation. Bases of the poles would then be removed by excavating the area around the base. The remaining void would then be backfilled with native soil saved from other excavations in the surrounding area. The site would be returned, as near as practicable, to its original contours (or in accordance with prearranged landowner agreements, where applicable).</u>
2-71	Sometimes the switches are thrown at a central location such as a substation.	Revise text as follows: Sometimes <u>the switches are thrown circuit breakers are opened at a</u> central location such as a substation.
Chapter 3 –Alternatives Description		
3-112	BESS facilities under Alternative BS-2 would function to “shave” peak loads during periods when energy use along these feeders is high (i.e., reduce peak loads during the summer) to relieve pressure on the area substations and feeders. BESSs would likely operate on a daily cycle where they would discharge to the distribution grid during hours of peak demand and charge from the distribution grid during hours of lower demand (e.g., nighttime). Sites	Please move “Sites” to precede the paragraph and make a heading. Revise text as follows: <u>Sites</u> BESS facilities under Alternative BS-2 would function to “shave” peak loads during periods when energy use along these feeders is high (i.e., reduce peak loads during the summer) to relieve pressure on the area substations and feeders. BESSs would likely operate on a daily cycle where they would discharge to the distribution grid during hours of peak demand and charge from the distribution grid during hours of lower demand (e.g., nighttime). <u>Sites</u>
Chapter 4 –Environmental Analysis		
Aesthetics		
4.1-4	The reasonably foreseeable northern distribution line segment would follow the existing SR 46 right-of-way (installed within the median).	The northern distribution segment would not be installed within the median. It would be installed on one side of the SR-46, which has not yet been determined. Revise as follows: The reasonably foreseeable northern distribution line segment would <u>follow parallel</u> the existing SR 46 right-of-way (installed <u>within the median on one side or the other on private property</u>).

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4.1-8	Additionally, the northern reasonably foreseeable new distribution line segment would be installed within the median of SR 46 , while Alternative PLR-1A would also traverse SR 46 near the intersection with Branch Road.	The northern distribution segment would not be installed within the median. It would be installed on one side of the SR-46, which has not yet been determined. Revise as follows: The reasonably foreseeable northern distribution line segment would follow the existing SR 46 right-of-way (installed within the median on one side or the other on private property).
4.1-38	For criterion C, as described in Section 4.1.4, the Proposed Project, reasonably foreseeable distribution components, and alternatives are located primarily in non-urbanized areas.	Per CEQA Guidelines Section 21071, the Proposed Project, reasonably foreseeable distribution components, and alternatives are entirely located in non-urbanized areas. Revise text as follows: For criterion C, as described in Section 4.1.4, the Proposed Project, reasonably foreseeable distribution components, and alternatives are located primarily in non-urbanized areas.
4.1-41	The Proposed Project's new 70 kV power line segment would have similar adverse effects on the existing visual conditions, although the degree of impact would vary by location. Effects would be most pronounced in areas of the proposed 70 kV alignment that do not have existing transmission or distribution lines and in areas subject to immediate views from residents and recreationists. Dissimilarly, the reconductoring segment would replace existing poles and reconductor the existing power line; thus, it would not substantially change the existing visual character or quality in this area or be inconsistent with zoning regulations (transmission structures are allowed in all zoning districts along the alignment).	State that the proposed new power line segment would also not be inconsistent with zoning regulations. Revise text as follows: The Proposed Project's new 70 kV power line segment would have similar adverse effects on the existing visual conditions, although the degree of impact would vary by location. Effects would be most pronounced in areas of the proposed 70 kV alignment that do not have existing transmission or distribution lines and in areas subject to immediate views from residents and recreationists. Dissimilarly, the reconductoring segment would replace existing poles and reconductor the existing power line; thus, it would not substantially change the existing visual character or quality in this area. It is worth noting that the new 70 kV power line segment and reconductoring segment would not be or be inconsistent with zoning regulations (transmission structures are allowed in all zoning districts along the alignment).
4.1-41	Mitigation Measure AES-1, described below, would require that landscaping, including drought- and fire- resistant native shrubs, be incorporated along Union Road in front of the substation (to the extent that this does not increase fire risk) and that materials and paint colors be selected for Proposed Project features that would reduce visual contrast and complement the surrounding landscape. Mitigation Measure AES-1 would also require that transmission structures have a dulled finish.	Revise text as follows: Mitigation Measure AES-1, described below, would require that landscaping, including drought- and fire- resistant native shrubs, be incorporated along Union Road in front of the substation (to the extent that this does not increase fire risk and complies with the standards provided PG&E's Wildfire Safety Inspection Program and Cal Fire's defensible space guidelines) and that materials and paint colors be selected for Proposed Project features that would reduce visual contrast and complement the surrounding landscape. Mitigation Measure AES-1 would also require that transmission structures have a dulled finish.
4.1-42	Mitigation Measure AES-1. Use Landscaping, Design and Architectural Elements to Complement the Surrounding Visual Landscape. Incorporate drought- and fire-resistant native shrubs within the hardscape landscaping proposed in APM AES-1 between Union Road and the Estrella Substation. For alternative substation sites, incorporate drought- and fire-resistant shrubs between the adjacent roadway and the substation. Coordinate with CAL FIRE / County Fire Department to ensure that any shrubs used in landscaping adjacent to the substation do not substantially increase fire risk.	Revise text as follows: Incorporate drought- and fire-resistant native shrubs within the hardscape landscaping proposed in APM AES-1 between Union Road and the Estrella Substation in accordance with the standards provided in PG&E's Wildfire Safety Inspection Program and Cal Fire's defensible space guidelines . For alternative substation sites, incorporate drought- and fire-resistant shrubs between the adjacent roadway and the substation. Coordinate with CAL FIRE / County Fire Department to ensure that any shrubs used in landscaping adjacent to the substation do not substantially increase fire risk.
4.1-42	Mitigation Measure AES-1. Use Landscaping, Design and Architectural Elements to Complement the Surrounding Visual Landscape. At the substation, incorporate chain link fence slats using natural colors that are compatible with the surrounding area (i.e., green, light brown) in order to minimize visual contrast	In accordance with PG&E' standards, the 70 kV substation would include a heavy duty, tightly woven anti-climb mesh fabric with 0.5-inch diamonds installed on a chain-link fence to prevent toe hold climbing. Slats are not made that small; therefore, slats would not be compatible. The slats are also an issue due to fire hazard. PG&E has been removing slatted fences in some areas. The mesh fabric comes in galvanized grey that would blend in with the existing and proposed structures in the area. While you can see through the mesh when you look at the fence straight on, when you are at an angle to the fence all you see is the fabric and not the equipment behind it due to the tightness of the mesh. Remove this requirement in the mitigation measure. Revise text as follows: At the substation (where practicable), incorporate chain link fence slats using natural colors that are compatible with the surrounding area (i.e., green, light brown, gray) in order to minimize visual contrast.
4.1-42	Mitigation Measure AES-1. Use Landscaping, Design and Architectural Elements to Complement the Surrounding Visual Landscape. For all Proposed Project and alternative components, use materials and paint colors that are compatible with the surrounding area (i.e., dull grey, light brown, or green colors) in order to minimize visual contrast. Avoid the use of large expanses of reflective glazing, aluminum panels, and other materials not normally found in the environment. Use a dulled finish on power line and transmission structures.	Tubular steel poles and light duty steel poles are ordered with a dulled finish. Lattice steel towers that have a dulled finished need to be pre-ordered 6 months ahead of time and are priced at a premium. As such, PG&E's preference is to not have to purchase these special ordered structures. The conventional structures would dull over time. Power line conductors will be specular to make the power line more noticeable in appearance against the background landscape, and therefore more visible to small aircraft pilots that fly over the area. Specular conductor transitions to non-specular (i.e., becomes less shiny) in the course of a few seasons after installation. PG&E's standard design is to use galvanized structures and tubing in the substation to reduce corrosion, extend life, and maintain proper grounding. Revise text as follows: For all Proposed Project and alternative components (not including the power line conductors, lattice steel towers, or substation structures), use materials and paint colors that are compatible with the surrounding area (i.e., dull grey, light brown, or green colors) in order to minimize visual contrast. Avoid the use of large expanses of reflective glazing, aluminum panels, and other materials not normally found in the environment. Use a dulled finish on power line and transmission structures.

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4.1-42	<p>Mitigation Measure AES-1. Use Landscaping, Design and Architectural Elements to Complement the Surrounding Visual Landscape.</p> <p>With respect to power line and transmission structures, balance the need to minimize visual contrast with ensuring that structures are visible to aircraft pilots and birds</p>	<p>Mitigation Measure AES-1 also requires that all components be dulled. This requirement conflicts with this portion of the measure regarding balancing the need to minimize visual contrast with visibility. Given that certain components would not be dulled (as noted above), PG&E recommends removing this portion of the measure.</p> <p>Revise text as follows:</p> <p>Mitigation Measure AES-1 With respect to power line and transmission structures, balance the need to minimize visual contrast with ensuring that structures are visible to aircraft pilots and birds.</p>
4.1-43	<p>Mitigation Measure AES-1. Use Landscaping, Design and Architectural Elements to Complement the Surrounding Visual Landscape.</p> <p>For all Proposed Project and alternative components, use materials and paint colors that are compatible with the surrounding area (i.e., dull grey, light brown, or green colors) in order to minimize visual contrast. Avoid the use of large expanses of reflective glazing, aluminum panels, and other materials not normally found in the environment. Use a dulled finish on power line and transmission structures.</p>	<p>Tubular steel poles and light duty steel poles are ordered with a dulled finish. Lattice steel towers that have a dulled finished need to be pre-ordered 6 months ahead of time and are priced at a premium. As such, PG&E's preference is to not have to purchase these special ordered structures. The conventional structures would dull over time. Power line conductors will be specular to make the power line more noticeable in appearance against the background landscape, and therefore more visible to small aircraft pilots that fly over the area. Specular conductor transitions to non-specular (i.e., becomes less shiny) in the course of a few seasons after installation. PG&E's standard design is to use galvanized structures and tubing in the substation to reduce corrosion, extend life, and maintain proper grounding.</p> <p>Revise text as follows: For all Proposed Project and alternative components (not including the power line conductors, lattice steel towers, or substation structures), use materials and paint colors that are compatible with the surrounding area (i.e., dull grey, light brown, or green colors) in order to minimize visual contrast. Avoid the use of large expanses of reflective glazing, aluminum panels, and other materials not normally found in the environment. Use a dulled finish on power line and transmission structures.</p>
4.1-43	<p>While most operation and maintenance activities would occur during the daytime hours when no or minimal additional lighting would be needed, it is possible that nighttime maintenance may be needed on rare occasions (e.g., in the event of an emergency). In these instances, maintenance activities at the Estrella Substation and along the power line route may require extra nighttime lighting; however, use of nighttime lighting would be sporadic and limited in duration. Additionally, implementation of APM AES-2 would further reduce this impact.</p>	<p>APMs should not be applied to operation and maintenance.</p> <p>Revise text as follows:</p> <p>While most operation and maintenance activities would occur during the daytime hours when no or minimal additional lighting would be needed, it is possible that nighttime maintenance may be needed on rare occasions (e.g., in the event of an emergency). In these instances, maintenance activities at the Estrella Substation and along the power line route may require extra nighttime lighting; however, use of nighttime lighting would be sporadic and limited in duration. Additionally, implementation of APM AES-2 would further reduce this impact.</p>
4.1-51	<p>In particular, the segment along South River Road to Santa Ysabel Avenue would adversely affect the existing visual character and quality of views in this area, as no electrical power lines currently exist in this non-urbanized rural-residential area, which is characterized by mature trees that line the road and rolling hillsides (as seen in KOP 22, Figure 4.1-17).</p>	<p>Clarify the starting point along South River Road.</p> <p>Revise text as follows:</p> <p>In particular, the segment along South River Road between Lothan lane and Santa Ysabel Avenue would adversely affect the existing visual character and quality of views in this area, as no electrical power lines currently exist in this non-urbanized rural-residential area, which is characterized by mature trees that line the road and rolling hillsides (as seen in KOP 22, Figure 4.1-17).</p>
Agriculture		
4.2-4	<p>Table 4.2-1. FMMP Acreage at the Estrella Substation Site</p>	<p>Farmland of Local Potential is not defined. According to the Department of Conservation (https://www.conservation.ca.gov/dlr/fmmp/Documents/Farmland_of_Local_Importance_2016.pdf), this farmland category is defined as follows:</p> <p>Add a footnote to define Farmland of Local Potential as:</p> <p><i>Local Potential (LP):</i> lands having the potential for farmland, which have Prime or Statewide characteristics and are not cultivated.</p>
4.2-12	<p>70 kV power line would occur within the immediate footprint of individual poles, as well as 10- foot radius around each pole that would be maintained clear of vegetation. As shown in Table 4.2-2, the Proposed Project (substation and power line) would permanently convert 2.66 acres of Farmland of Statewide Importance and 11.76 acres of Unique Farmland to non-agricultural uses. Additionally, 0.69 acres of Prime Farmland, 4.9 acres of Farmland of Statewide Importance, and 25.28 acres of Unique Farmland would be temporarily affected by the Proposed Project construction activities. Temporary effects include temporary loss or destruction of crops, placement of rock and materials, compaction of soil from heavy equipment and vehicles, and removal of topsoil.</p>	<p>Revise the disturbance calculations to account for the four existing distribution poles that will be removed on Unique Farmland and the four existing distribution poles that will be removed on Farmland of Statewide Importance in the vicinity of Estrella Substation. Assuming agricultural crops were previously removed within an area around each existing pole equal to 10 feet in diameter, returning this area back to agricultural use would result in a net reduction of permanent impacts by approximately 314 square feet of Unique Farmland and 314 square feet Farmland of Statewide Importance.</p>
4.2-13 and 4.2-14	<p>Mitigation Measure AG-1: Provide Compensation for Loss of Agricultural Land.</p> <p>HWT and PG&E, prior to the completion of Proposed Project or alternative construction, shall contribute sufficient funds (i.e., adequate to support the conservation ratio described below) to the California Farmland Conservancy Program to compensate for the loss of Farmland of Statewide Importance and Unique Farmland that would occur from the Proposed Project or alternatives. The California Farmland Conservancy Program is established under PRC Sections 10200-10277 to promote the long-term preservation of agricultural lands in California through the use of agricultural conservation easements. The amount of HWT's and PG&E's contribution shall ensure the conservation of one acre of agricultural land in San Luis Obispo County for each acre of agricultural land converted by the Proposed Project or alternatives, based on the market price for the commensurate agricultural land at the time that the impacts occur.</p>	<p>Revise text as follows:</p> <p>HWT and PG&E, prior to the completion of Proposed Project or alternative construction, shall finalize and effectuate any combination of the following as long as the total acreage in the aggregate equals the amount required by the conservation ratio specified below: either (1) contribute sufficient funds, in an amount equal to the fair market value (determined as of the date construction commenced) of each acre for which the contribution is made, (4.e., adequate to support the conservation ratio described below) to the California Farmland Conservancy Program to compensate for the loss of Farmland of Statewide Importance and Unique Farmland that would occur from the Proposed Project or alternatives, or to another public agency or non-profit organization able to achieve long-term preservation of agricultural lands in San Luis Obispo County; and/or (2) enter into and record one or more conservation easements with landowners for specific farmland in San Luis Obispo County. The California Farmland Conservancy Program is established under PRC Sections 10200-10277 to promote the long-term preservation of agricultural lands in California through the use of agricultural conservation easements and is one potential recipient of any contribution in clause (1) above. The acreage for which amount of HWT's and PG&E's contributions are made in clause (1) above, together with any acreage preserved through recorded conservation easements in clause (2) above, shall equal a minimum total ensure the conservation of one acre of agricultural land in San Luis Obispo County for each acre of agricultural land converted by their respective components associated with the Proposed Project or alternatives, based on the market price for the commensurate agricultural land at the time that the impacts occur.</p>

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4.2-14	<p>Mitigation Measure AG-2: Restore Agricultural Land Temporarily Impacted by Construction Activities.</p> <p>HWT or PG&E shall ensure that agricultural land temporarily impacted by construction activities is adequately restored following completion of construction to pre-project conditions. These include areas impacted from establishment of temporary staging and storage areas, installation of the underground fiber optic cable link, installation of the 230 kV interconnection structures, preparation and temporary use of pull sites and crossing guard structures, and preparation and use of helicopter landing zones. Restoration of sites will involve removing any rock or material imported to stabilize the site, replacement of topsoil, de-compacting any soil that has been compacted by heavy equipment, and re-planting of agricultural crops. The responsibility of performing these various tasks may be stipulated in an agreement between HWT or PG&E, and the landowner(s) completed for the Proposed Project or alternatives. If a landowner is better equipped or prefers to replant crops or perform other tasks themselves, then HWT and PG&E shall provide just compensation for this work.</p>	<p>Revise text as follows:</p> <p>HWT or PG&E shall ensure that agricultural land temporarily impacted by construction activities <u>associated with their respective components</u> is adequately restored following completion of construction to pre-project conditions. These include areas impacted from establishment of temporary staging and storage areas, installation of the underground fiber optic cable link, installation of the 230 kV interconnection structures, preparation and temporary use of pull sites and crossing guard structures, and preparation and use of helicopter landing zones. Restoration of sites will involve removing any rock or material imported to stabilize the site, replacement of topsoil, de-compacting any soil that has been compacted by heavy equipment, and re-planting of agricultural crops <u>unless the property owner requests that the material remain for their use</u>. The responsibility of performing these various tasks may be stipulated in an agreement between HWT or PG&E, and the landowner(s) completed for the Proposed Project or alternatives. If a landowner is better equipped or prefers to replant crops or perform other tasks themselves, then HWT <u>and/or</u> PG&E shall provide just compensation for this work.</p>
4.2-16	<p>The northern reasonably foreseeable new distribution line segment would be installed primarily within the median of SR- 46 and would not substantially affect Important Farmland, zoning for agricultural uses, or Williamson Act contracts.</p>	<p>The northern distribution segment would not be installed within the median. It would be installed on one side of the SR-46, which has not yet been determined.</p> <p>Revise as follows:</p> <p>The northern reasonably foreseeable new distribution line segment would <u>be installed primarily within the median of parallel the existing</u> SR- 46 <u>right-of-way</u> and would not substantially affect Important Farmland, zoning for agricultural uses, or Williamson Act contracts.</p>
4.2-17	<p>The Bonel Ranch parcel is not under a Williamson Act contract; therefore, there would be no potential to conflict with a Williamson Act contract. As a result, impacts under significance criterion B would be less than significant</p>	<p>According to the San Luis Obispo County Land Use Viewer, the Bonel Ranch site is subject to a Williamson Act contract.</p> <p>Revise text as follows:</p> <p>The Bonel Ranch parcel is <u>not</u> under a Williamson Act contract; therefore, <u>there construction of Bonel Ranch Substation would would be no potential to conflict with a Williamson Act contract.</u> As a result, impacts under significance criterion B would be <u>less than significant and unavoidable.</u></p>
4.2.20	<p>The routes would pass through some areas of Farmland of Local Importance, Farmland of Local Potential, and Grazing Land, but the 70 kV power line segment under Alternative PLR-3 would be almost entirely underground (other than the small transition stations on either end of the alignments) and would not permanently substantial agricultural land.</p>	<p>Revise text as follows:</p> <p>The routes would pass through some areas of Farmland of Local Importance, Farmland of Local Potential, and Grazing Land, but the 70 kV power line segment under Alternative PLR-3 would be almost entirely underground (other than the small transition stations on either end of the alignments) and would not permanently <u>substantial impact</u> agricultural land.</p>
Air Quality		
4.3-14	<p>Impact AQ-2: Potential to violate ROG, NOX, and PM10 significance thresholds and contribute substantially to an existing or projected air quality violation - Significant and Unavoidable</p>	<p>The impact title does not match the title on page 4.3-12.</p> <p>Revise text as follows:</p> <p>Impact AQ-2: <u>Potential to violate ROG, NOX, and PM10 significance thresholds and contribute substantially to an existing or projected air quality violation—Significant and Unavoidable 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</u></p>
4.3-16	<p>Table 4.3-5, Construction Emissions</p>	<p>Provide the tier associated with the 26.3 tons/quarter ROG + NOX significance threshold.</p>
4.3-18	<p>Mitigation Measure AQ-1. Prepare a Construction Activity Management Plan for Approval by SLOCAPCD.</p> <p>HWT, PG&E, or their contractor(s) shall implement the following measures:</p> <p>Prepare a Construction Activity Management Plan (CAMP) that contains at a minimum the following SLOCAPCD standard mitigation measures, BACT measures and diesel idling restrictions that are not already in the APMs. The CAMP shall be submitted to the air pollution control district (APCD) for review and approval prior to the start of construction and shall include, but not be limited to, the following elements:</p> <ol style="list-style-type: none"> 1. A Dust Control Management Plan that encompasses all, but is not limited to, dust control measures that were listed above in the “dust control measures” section; 2. Tabulation of on and off-road construction equipment (age, horse-power and miles and/or hours of operation). Use of diesel construction equipment meeting ARB’s Tier 3 and Tier 4 off-road and 2010 on-road compliant engines; Repowering equipment with the cleanest engines available; At a minimum the off-road equipment fleet shall meet the CARB off-road emissions average for that calendar year. 3. Scheduling of construction truck trips during non-peak hours to reduce peak hour emissions 	<p>The CAMP submitted to the SLOCAPCD will meet all of their requirements, which are subject to change. To avoid confusion and unnecessary overlap, we will follow the guidance for development of the CAMP, with regard to dust control, construction equipment requirement, scheduling, hours of operation, length of work periods, and any other requirements.</p> <p>Revise text as follows</p> <p>HWT, PG&E, or their contractor(s) shall implement the following measures:</p> <p>Prepare a Construction Activity Management Plan (CAMP) that contains <u>at a minimum</u> the following SLOCAPCD standard mitigation measures, BACT measures and diesel idling restrictions that are not already in the APMs. The CAMP shall be submitted to the air pollution control district (APCD) for review and approval prior to the start of construction, <u>and shall include, but not be limited to, the following elements:</u></p> <ol style="list-style-type: none"> 1.—<u>A Dust Control Management Plan that encompasses all, but is not limited to, dust control measures that were listed above in the “dust control measures” section;</u> 2.—<u>Tabulation of on and off-road construction equipment (age, horse-power and miles and/or hours of operation). Use of diesel construction equipment meeting ARB’s Tier 3 and Tier 4 off-road and 2010 on-road compliant engines; Repowering equipment with the cleanest engines available; At a minimum the off-road equipment fleet shall meet the CARB off-road emissions average for that calendar year.</u> 3.—<u>Scheduling of construction truck trips during non-peak hours to reduce peak hour emissions</u>
4.3-18	<p>Mitigation Measure AQ-1: Prepare a Construction Activity Management Plan for Approval by SLOCAPCD.</p> <p>3. Scheduling of construction truck trips during non-peak hours to reduce peak hour emissions</p>	<p>Clarify the meaning of non-peak hour and revise text as follows:</p> <p>3. Scheduling of construction truck trips during non-peak hours to reduce peak hour emissions, <u>when possible.</u></p>

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4.3-19	Construction and operation activities for the reasonably foreseeable distribution components would be similar to the Proposed Project, but on a much smaller scale.	Revise text as follows: Construction and operation activities for the reasonably foreseeable distribution components would be similar to the Proposed Project, but on a much smaller scale and would not require the use of helicopters.
4.3-27	Furthermore, the use of battery stored power during high demand periods will reduce the need for criteria pollutant emitting sources of electricity generation throughout the electricity grid, such as the use of peaker plants, which are fossil- fueled based. The impact of this alternative would depend on construction schedule overlap of the remaining construction phases, therefore it is unknown if this alternative would reduce the significant impact of construction emissions as compared to the Proposed Project.	This statement is misleading and should be deleted; PG&E does not have any peaker plants in the SLO area. Revise text as follows: Furthermore, the use of battery stored power during high demand periods will reduce the need for criteria pollutant emitting sources of electricity generation throughout the electricity grid, such as the use of peaker plants, which are fossil- fueled based. The impact of this alternative would depend on construction schedule overlap of the remaining construction phases, therefore it is unknown if this alternative would reduce the significant impact of construction emissions as compared to the Proposed Project.
Biological Resources		
4.4-1 to 4.4-2	The Bald and Golden Eagle Protection Act (16 USC Section 668; 50 CFR Part 22) prohibits take of bald and golden eagles and their occupied and unoccupied nests. USFWS administers the Bald and Golden Eagle Protection Act. In addition to immediate impacts, “take” also covers impacts that result from human-induced alterations initiated around a previously used nest site. Even if eagles are not present during the time of the alterations, if eagle(s) subsequently return and the alterations agitate or bother an eagle to a degree that it interferes with or interrupts normal breeding, feeding, or sheltering habits, and causes injury, death or nest abandonment, this would be considered take.	Revise text as follows: The Bald and Golden Eagle Protection Act (16 USC Section 668; 50 CFR Part 22) prohibits take of bald and golden eagles and their occupied and unoccupied nests. USFWS administers the Bald and Golden Eagle Protection Act. PG&E is in the process of working with the USFWS to receive a permit under the Bald and Golden Eagle Protection Act to address work activities in areas with eagle territories. In addition to immediate impacts, “take” also covers impacts that result from human-induced alterations initiated around a previously used nest site. Even if eagles are not present during the time of the alterations, if eagle(s) subsequently return and the alterations agitate or bother an eagle to a degree that it interferes with or interrupts normal breeding, feeding, or sheltering habits, and causes injury, death or nest abandonment, this would be considered take.
4.4-1 to 4.4-2	In addition to immediate impacts, “take” also covers impacts that result from human-induced alterations initiated around a previously used nest site. Even if eagles are not present during the time of the alterations, if eagle(s) subsequently return and the alterations agitate or bother an eagle to a degree that it interferes with or interrupts normal breeding, feeding, or sheltering habits, and causes injury, death or nest abandonment, this would be considered take.	This interpretation of “take” is speculative and should be limited to the USFWS administration of the Bald and Golden Eagle Protection Act to protect eagles, eagle nests, and eggs or young from all definitions of take under the ESA. Revise as follows: In addition to immediate impacts, “take” also covers impacts that result from human-induced alterations initiated around a previously used nest site. Even if eagles are not present during the time of the alterations, if eagle(s) subsequently return and the alterations agitate or bother an eagle to a degree that it interferes with or interrupts normal breeding, feeding, or sheltering habits, and causes injury, death or nest abandonment, this would be considered take.
4.4-9	Special-status species include (1) species listed, or that are candidates for future listing, as threatened or endangered under the federal ESA or CESA; (2) plants listed as rare under NPPA; (3) plants considered by the CNPS to be “rare, threatened, or endangered in California” (CNPS Rare Plant Ranks 1 and 2); (4) species that meet the definitions of rare or endangered under CEQA; (5) animals fully protected in California under the CFGC, and (6) nesting raptors protected in California.	Revise text as follows: Special-status species include (1) species listed, or that are candidates for future listing, as threatened or endangered under the federal ESA or CESA; (2) plants listed as rare under NPPA; (3) plants considered by the CNPS to be “rare, threatened, or endangered in California” (CNPS Rare Plant Ranks 1 and 2); (4) species that meet the definitions of rare or endangered under CEQA; (5) animals fully protected in California under the CFGC, and (6) nesting raptors protected in California under CFGC 3503.5.
4.4-20, Table 4.4-1	Table 4.4-1	Remove great blue heron from Table 4.-1, as it is not a special-status species
4.4-29	Figure 4.4-1	Please label the Salinas River and Dry Creek in Figure 4.4-1
4.4-39	Based on a review of the Ventura USFWS office’s Habitat Conservation Plans (HCPs) and CDFW’s California Regional Conservation Plans map (CDFW 2019b), there are no adopted HCPs or Natural Community Conservation Plans (NCCPs) in the vicinity of the Proposed Project, reasonably foreseeable distribution components, or alternatives	Revise text as follows: Based on a review of the Ventura USFWS office’s Habitat Conservation Plans (HCPs) and CDFW’s California Regional Conservation Plans map (CDFW 2019b), there are no adopted HCPs or Natural Community Conservation Plans (NCCPs) in the vicinity of the Proposed Project, reasonably foreseeable distribution components, or alternatives. PG&E has executed a Multi-Region Habitat Conservation Plan (HCP), which provides federal endangered species coverage for the entire service territory. However, the HCP does not apply to new construction over 10 acres or more than 2 miles. As such, the HCP would not apply to the proposed project, although it would apply to the Reasonably Foreseeable Distribution Components and Ultimate Substation Buildout.
4.4-40	In regard to significance criterion F above, no NCCPs or HCPs are adopted in the vicinity of the Proposed Project, reasonably foreseeable distribution components, and alternatives. Therefore, there is no potential for conflicts and no impact would occur. This significance criterion is dismissed from further discussion.	The Multi-Region HCP would apply to the reasonably foreseeable distribution components.
4.4-41	If special-status plant species are identified in the construction disturbance area, however, and avoidance is not possible, direct impacts to these species would occur, which would be a significant impact due to the potential loss of a high number of individuals or entire populations within the region.	This is speculative. Surveys have not identified special-status plant populations in construction disturbance areas and if a special status plant were found it may or may not constitute “a potential loss of a high number of individuals or entire populations within the region” Revise text as follows: If special-status plant species are identified in the construction disturbance area, however, and avoidance is not possible, direct impacts to these species would occur, which may would have the potential to be a significant impact in certain circumstances due to the potential loss of a high number of individuals or entire populations within the region.

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4.4-42	<p>Crotch's bumble bee, which utilize rodent burrows, tufts of grass, old bird nests on the ground, rock piles, or cavities in dead trees for nest construction, has potential to occur within the Proposed Project area. Direct impacts to Crotch's bumble bee could occur if rodent burrows within the Proposed Project disturbance area were utilized as nests and destroyed through construction activities.</p> <p>Pre-construction surveys required under APM BIO-1 and Mitigation Measure BIO-1 would identify Crotch's bumble bee individuals or nests that could be present within the Proposed Project footprint. Additionally, implementation of APMs BIO-3 and GEN-1 would further reduce potential for any impacts to Crotch's bumble bee during construction. As a State candidate endangered species, the Applicants would be required to notify and coordinate with CDFW regarding any Crotch's bumble bee nests or individuals identified during pre-construction surveys or during the course of construction activities.</p>	<p>While preconstruction surveys would help avoid and minimize impacts to special-status species, surveying rodent burrows for the state candidate endangered Crotch's bumblebee within the project footprint is impracticable due to the abundance of burrow systems and absence of protocol survey guidance for identification of nest colonies. Current review of iNaturalist (https://www.inaturalist.org/taxa/271451-Bombus-crotchii accessed: January 4, 2021) show observation of the species occurring south and southeast of Santa Maria. The document recognizes the potential of species occurrence in the region, but little is known about its current distribution, hibernacula, or overwintering sites, and direct impacts cannot be adequately concluded due to the lack of this information.</p> <p>Applicants are required to follow all provisions of CESA in regard to California candidate or listed species, but are not specifically required to "notify and coordinate with CDFW" on any candidate or listed species identified during pre-construction surveys. An example would be Swainson hawk sightings may be voluntarily submitted to CDFW by filing a CNDDDB detection form, but coordination and notification are not required for each sighting event.</p> <p>Revise text as follows:</p> <p>Pre-construction surveys required under APM BIO-1 and Mitigation Measure BIO-1 would identify Crotch's bumble bee individuals or nests that could be present within the Proposed Project footprint. Additionally, implementation of APMs BIO-3 and GEN-1 would further reduce potential for any impacts to Crotch's bumble bee during construction. As a State candidate endangered species, the Applicants would be required to follow all provisions of CESA in regard to California candidate or listed species, notify and coordinate with CDFW regarding any Crotch's bumble bee nests or individuals identified during pre-construction surveys or during the course of construction activities.</p>
4.4-44	<p>Construction could disturb breeding and nesting birds in the area by generating noise, creating visual distractions, or having a direct impact on occupied nests (e.g., vegetation removal or nest abandonment) and burrows (used by burrowing owls). Uncovered pipes or conduit could be used as nesting habitat for birds, and if left uncovered, birds could become trapped. Removal and disturbance of vegetation and trees along the proposed 70 kV power line route could directly impact foraging and nesting habitat for special-status birds. There is a higher potential for impacts during the nesting/breeding season for birds because of the potential effects on reproductive success and young. Without implementation of preventative measures, these impacts would be significant.</p>	<p>Revise text as follows:</p> <p>Construction could disturb breeding and nesting birds in the area by generating noise, creating visual distractions, or having a direct impact on occupied nests (e.g., vegetation removal or nest abandonment) and burrows (used by burrowing owls). Uncovered pipes or conduit could be used as nesting habitat for birds, and if left uncovered, birds could become trapped. Removal and disturbance of vegetation and trees along the proposed 70 kV power line route could directly impact foraging and nesting habitat for special-status birds. There is a higher potential for impacts during the nesting/breeding season for birds because of the potential effects on reproductive success and young. Without implementation of preventative measures, these impacts may be would be significant</p>
4.4-44	<p>There is a higher potential for impacts during the nesting/breeding season for birds because of the potential effects on reproductive success and young. Without implementation of preventative measures, these impacts may be significant.</p>	<p>PG&E has an avian protection plan and implements standard protective measures for birds during nesting season.</p> <p>Revise text to state:</p> <p>There is a higher potential for impacts during the nesting/breeding season for birds because of the potential effects on reproductive success and young. Without implementation of preventative measures, these impacts may be significant.</p>
4.4-45	<p>If work is scheduled during the nesting season (January 15 through August 31), APM BIO-2 and Mitigation Measure BIO-1 would require that nest detection surveys be implemented corresponding with the species-specific buffers set forth in PG&E's Nesting Birds: Specific Buffers for PG&E Activities (Appendix E to the PEA).</p>	<p>Standard nesting season dates are March 1st through August 15th or 31st; occasionally starting as early as February 1st. January 15th is still in winter timeframes with only select species such as golden eagles beginning to nest. As such, the January 15 nesting season restriction should only apply to golden eagles.</p> <p>Revise text as follows:</p> <p>If work is scheduled during the nesting season (commencing January 15 for golden eagle and February 1 for all other birds through August 31), APM BIO-2 and Mitigation Measure BIO-1 would require that nest detection surveys be implemented corresponding with the species-specific buffers set forth in PG&E's Nesting Birds: Specific Buffers for PG&E Activities (Appendix E to the PEA).</p>
4.4-46	<p>If any such roosts or bat individuals were identified, the Applicants would be required to notify and coordinate with CDFW. Additionally, APM AES-2 would require that construction lighting be selectively placed and shielded to minimize nighttime glare, which would minimize potential for this lighting to adversely affect bats.</p>	<p>If any such roosts or bat individuals were identified, the Applicants would be required to notify and coordinate with CDFW. Additionally, APM AES-2 would require that construction lighting be selectively placed and shielded to minimize nighttime glare, which would minimize potential for this lighting to adversely affect bats.</p>
4.4-46	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status.</p> <p>Special-Status Plants: Pre-construction surveys required under APM BIO-1 shall be conducted of all proposed work, plus a 100-foot buffer, within 1 year before commencement of ground-disturbing activities according to the <i>Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities</i> (CDFW 2018 or current version). Floristic surveys shall be performed during the appropriate bloom period(s) for each species. HWT/PG&E or their contractor(s) shall work with the CDFW-approved qualified botanist to identify plants</p>	<p>Revise as follows:</p> <p>Special-Status Plants: Pre-construction surveys required under APM BIO-1 shall be conducted of all proposed work, plus a 100-foot buffer, within 1 year before commencement of ground-disturbing activities according to the Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities Floristic surveys shall be performed during the appropriate bloom period(s) for each species. HWT/PG&E or their contractor(s) shall work with the CDFW CPUC-approved qualified botanist to identify plants</p>
4.4-46	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: HWT/PG&E shall retain a CPUC-, USFWS-, and CDFW-approved biologist(s) to conduct pre-construction surveys for special-status plants and wildlife prior to initial vegetation clearance, grubbing, and ground-disturbing activities.</p>	<p>Revise text as follows:</p> <p>Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: HWT/PG&E shall retain a CPUC-, USFWS-, and CDFW-approved biologist(s) to conduct pre-construction surveys for special-status plants and wildlife prior to initial vegetation clearance, grubbing, and ground-disturbing activities.</p>
4.4-46	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: The pre-construction survey report shall be submitted to the CPUC for review and approval prior to the start of construction.</p> <p>The pre-construction surveys shall be conducted no earlier than 30 days prior to surface disturbance. The results of the pre-construction surveys shall be documented by the approved biologist in a pre-construction survey report. The pre-construction survey report shall be submitted to the CPUC for review and approval prior to the start of construction, and the results shall be submitted to USFWS and CDFW as required by any regulatory permits or approvals. The pre-construction study report shall include the following:</p>	<p>Revise text as follows:</p> <p>The pre-construction survey report shall be submitted to the CPUC for review and approval prior to the start of construction</p> <p>The pre-construction surveys shall be conducted no earlier than 30 days prior to surface disturbance within the work areas. The results of the pre-construction surveys shall be documented by the approved biologist in a pre-construction survey report. The pre-construction survey report shall be submitted to the CPUC for review and approval prior to the start of construction, and the results shall be submitted to USFWS and CDFW as required by any regulatory permits or approvals. The pre-construction study report shall include the following:</p>

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4.4-47	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: Sensitive habitat areas, plus a minimum 5-foot buffer for wetlands and waters of the U.S., that will be avoided by construction shall be fenced with orange safety fencing. Biological monitoring required by APM BIO-3 is extended to be necessary when each portion of previously undisturbed ground is disturbed, based on special- status species’ requirements and the profession opinion of the qualified biological monitor; however, work near wetlands and waters of the U.S. will be monitored by a biological monitor over its duration.</p>	<p>Revise text as follows:</p> <p>Sensitive habitat areas, plus a minimum 5-foot buffer for wetlands and waters of the U.S., that will be avoided by construction shall be fenced with orange safety fencing. Biological monitoring required by APM BIO-3 is extended to be necessary when each portion of previously undisturbed ground is disturbed, based on special- status species’ requirements and the profession opinion of the qualified biological monitor; however, work near within 50 feet of wetlands and waters of the U.S. will be monitored by a biological monitor over its duration.</p>
4.4-47	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: Biological monitoring required by APM BIO-3 is extended to be necessary when each portion of previously undisturbed ground is disturbed, based on special-status species’ requirements and the profession opinion of the qualified biological monitor;</p>	<p>Please correct typo regarding biological monitoring being “extended.” Per APM BIO-3, biological monitoring will be conducted during initial ground-disturbing activities in and adjacent to sensitive habitat areas to ensure compliance with Best Management Practices and APMs, unless the area has been protected by barrier fencing to protect sensitive biological resources and has been cleared by the biologists. The monitor will have authority to stop or redirect work if construction activities are likely to affect sensitive biological resources.</p>
4.4-47	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: In order to ensure that habitats are not adversely affected, the USFWS- and CDFW- approved biologist shall flag boundaries of habitat, which must be avoided</p>	<p>Revise text as follows:</p> <p>In order to ensure that habitats are not adversely affected, the USFWS- and CDFW-CPUC- approved biologist shall flag boundaries of habitat, which must be avoided.</p>
4.4-47	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: The USFWS- and CDFW-approved biologist shall be contacted to perform a pre-activity survey when vegetation trimming is planned in sensitive habitats</p>	<p>Revise text as follows:</p> <p>The USFWS- and CDFWCPUC-approved biologist shall be contacted to perform a pre-activity survey when vegetation trimming is planned in sensitive habitats</p>
4.4-48	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: Gravel bags shall be placed along the bottom of the fence to minimize erosion or sedimentation into nearby wetlands and/or waters of the U.S., and removed upon completion of construction. Any project related work scheduled to occur within the exclusion/buffer zone of the wetland shall be conducted when the wetland is dry as determined by the approved biological monitor. Best management practices (BMPs) referred to in APM BIO-3 indicate stormwater and water quality projection BMPs.</p>	<p>Gravel bags and other sediment controls will be requirements of the SWPPP and should not be included as mitigation.</p> <p>Revise text as follows:</p> <p>Pg. 29 Gravel bags shall be placed along the bottom of the fence to minimize erosion or sedimentation into nearby wetlands and/or waters of the U.S., and removed upon completion of construction. Any project related work scheduled to occur within the exclusion/buffer zone of the wetland shall be conducted when the wetland is dry as determined by the approved biological monitor. Best management practices (BMPs) referred to in APM BIO-3 indicate stormwater and water quality projection BMPs.</p>
4.4-48	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: In the event that any work will occur beyond the approved limits, it shall be reported to HWT’s and PG&E’s compliance teams and the CPUC.</p>	<p>Revise text as follows:</p> <p>In the event that any work will occur beyond the approved limits, it shall be reported to HWT’s and PG&E’s compliance teams and the CPUC.</p>
4.4-48	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Wildlife Protection from Work Areas: In addition to the requirements of APM BIO-4, HWT/PG&E shall retain a CPUC-approved biologist to inspect all steep trenches and excavations during construction twice daily (i.e., morning and evening) to monitor for wildlife entrapment. Large/steep excavations shall be covered and/or fenced nightly to prevent wildlife entrapment. Excavations shall provide an earthen ramp to allow for a wildlife escape route.</p>	<p>Revise text as follows:</p> <p>In addition to the requirements of APM BIO-4, HWT/PG&E shall retain a CPUC-approved biologist to inspect all uncovered and unfenced steep trenches and excavations during construction twice daily (i.e., morning and evening) to monitor for wildlife entrapment. Large/steep excavations shall be covered and/or fenced nightly to prevent wildlife entrapment. Excavations shall provide an earthen ramp.</p>
4.4-48	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Nesting Birds: Activities conducted pursuant to APM BIO-2 shall consider the nesting bird season revised to be January 15 through August 31</p>	<p>Revise text as follows:</p> <p>Activities conducted pursuant to APM BIO-2 shall consider the nesting bird season, commencing January 15 for golden eagle and February 1 for all other birds through August 31 revised to be January 15 through August 31</p>
4.4-49	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>San Joaquin Kit Fox: If a kit fox is discovered at any time in the project area, all construction must stop and the CDFW and USFWS contacted immediately. The appropriate federal and state permits must be obtained before the project can proceed.</p>	<p>Revise text as follows:</p> <p>If a kit fox is discovered at any time in the project area, all construction in the immediate vicinity must stop, photos taken as feasible, and the CDFW and USFWS contacted immediately. The appropriate federal and state permits must be obtained before the project can proceed.</p>

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4.4-49	<p>Mitigation Measure BIO-2: Compensate for Impacts to Special-Status Plant Species</p> <p>If avoidance of special-status plants is not feasible, HWT and PG&E shall implement measures to compensate for impacts to special-status plants. Compensation may be provided by purchasing credits at a CDFW-approved mitigation bank (provided at a minimum 1:1 ratio [mitigation to impact]), or through transplanting perennial species and collecting and dispersing seed of annual species (i.e., salvage and relocation) under the direction of CDFW. Where salvage and relocation is demonstrated to be feasible and biologically preferred by the CDFW, it shall be conducted pursuant to a CPUC- and CDFW-approved salvage and relocation plan that details the methods for salvage, stockpiling, and replanting, as well as the characteristics of the receiver sites. Monitoring of plant populations shall be conducted annually for 5 years to assess the mitigation's effectiveness. At the end of the 5-year monitoring period, the mitigation shall have met the following success criteria:</p> <ul style="list-style-type: none"> A surveyed plant population size count roughly equal to or greater than the number of individuals transplanted (this total may include both transplanted individuals that have survived, as well as any additional supplemental plantings following the initial transplantation that have survived at least two growing seasons), and <p>Less than 5 percent cover of invasive weeds within the restoration area.</p>	<p>Plant monitoring requirements would depend on the species impacted and restored and can be included in the salvage and relocation plan referenced. The 5-year monitoring requirement should be removed, as the amount of monitoring should be paired with the specific special-status plant restored.</p> <p>Revise text as follows:</p> <p>If avoidance of special-status plants is not feasible, HWT and PG&E shall implement measures to compensate for impacts to special-status plants. Compensation may be provided by purchasing credits at an CDFW-approved mitigation bank (provided at a minimum 1:1 ratio [mitigation to impact]), or through transplanting perennial species and collecting and dispersing seed of annual species (i.e., salvage and relocation) under the direction of the CPUCCDFW. Where salvage and relocation is demonstrated to be feasible and biologically preferred by the CDFW, it shall be conducted pursuant to a CPUC- and CDFW-approved salvage and relocation plan that details the methods for salvage, stockpiling, and replanting, as well as the characteristics of the receiver sites. Monitoring of plant populations shall be conducted annually for 5 years to assess the mitigation's effectiveness. At the end of the 5-year monitoring period, the mitigation shall have met the following success criteria:</p> <ul style="list-style-type: none"> A surveyed plant population size count roughly equal to or greater than the number of individuals transplanted (this total may include both transplanted individuals that have survived, as well as any additional supplemental plantings following the initial transplantation that have survived at least two growing seasons), and <p>Less than 5 percent cover of invasive weeds within the restoration area.</p>
4.4-50	<p>Additionally, the Applicants would implement the avian protection measures outlined in Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006 (APLIC 2006), which include solutions such as spacing phase conductors (e.g., greater than the width of birds' wingspans) such that electrocution hazards are minimized.</p>	<p>PG&E has avian protection standards that are detailed within PG&E's companywide Avian Protection Plan. These standards have been tested and considered in conjunction with other required engineering standards. PG&E does not need to develop a project-specific Avian Protection Plan since it follows the companywide Avian Protection Plan to prevent collision and electrocutions of bird species, including special-status birds.</p> <p>Revise text as follows:</p> <p>Additionally, the Applicants would implement the avian protection measures outlined in <u>PG&E's Avian Protection Plan, which incorporates relevant raptor -safe construction guidelines found in APLIC's and USFWS' 2005 Avian Protection Plan Guidelines.</u> Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006 (APLIC 2006) which include solutions such as spacing phase conductors (e.g., greater than the width of birds' wingspans) such that electrocution hazards are minimized.</p>
4.4-50	<p>To ensure that all potential hazards to special-status birds are minimized to the extent possible, Mitigation Measure BIO-3 also would be implemented, which would require that the Applicants incorporate guidance in <i>Reducing Avian Collisions with Power Lines: State of the Art in 2012</i> (APLIC 2012) and develop an Avian Protection Plan.</p>	<p>PG&E has avian protection standards that are detailed within PG&E's companywide Avian Protection Plan. These standards have been tested and considered in conjunction with other required engineering standards. PG&E does not need to develop a project-specific Avian Protection Plan since it follows the companywide Avian Protection Plan to prevent collision and electrocutions of bird species, including special-status birds.</p> <p>Revise text as follows:</p> <p>To ensure that all potential hazards to special-status birds are minimized to the extent possible, <u>PG&E would implement</u> Mitigation Measure BIO-3 also would be implemented, which would require that <u>the Applicants PG&E implement the company's Avian Protection Plan incorporate guidance in Reducing Avian Collisions with Power Lines: State of the Art in 2012 (APLIC 2012) and develop an Avian Protection Plan.</u></p>
4.4-50	<p>Mitigation Measure BIO-3: Minimize Impacts to Raptors and Other Avian Life from Transmission and Power Line Facilities.</p> <p>HWT, PG&E, and/or their contractor(s) shall construct all aboveground power transmission and power lines to the APLIC's recommended publications: Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006, and Reducing Avian Collisions with Power Lines: State of the Art in 2012 (APLIC 2006, 2012). In conjunction with these publications, HWT and PG&E shall be responsible for creating an Avian Protection Plan that incorporates relevant project-specific guidelines found in APLIC's and USFWS' 2005 Avian Protection Plan Guidelines. As part of the Avian Protection Plan development, HWT and PG&E shall work with USFWS to determine the need for installation of bird diverters in areas near known golden and bald eagle nests.</p>	<p>PG&E incorporates APLIC guidance into PG&E's Avian Protection Plan and formulates standards for avian protection that are consistent with engineering requirements. PG&E should not be required to generate a separate project-specific avian protection plan to address concerns that are mitigated through its avian protection program which PG&E coordinates directly with USFWS on an annual basis.</p> <p>Revise text as follows:</p> <p>HWT, PG&E, and/or their contractor(s) shall construct all aboveground power transmission and power lines to the APLIC's recommended publications: Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006, and Reducing Avian Collisions with Power Lines: State of the Art in 2012 (APLIC 2006, 2012). In conjunction with these publications, HWT and PG&E shall be responsible for implementing the company's creating an Avian Protection Plan that incorporates relevant project-raptor -safe construction specific guidelines found in APLIC's and USFWS' 2005 Avian Protection Plan Guidelines.</p>
4.4-51	<p>Mitigation Measure BIO-3: Minimize Impacts to Raptors and Other Avian Life from Transmission and Power Line Facilities.</p> <p>As part of the Avian Protection Plan development, HWT and PG&E shall work with USFWS to determine the need for installation of bird diverters in areas near known golden and bald eagle nests.</p>	<p>Bird diverters may not be very helpful to prevent eagle contacts, instead careful consideration of design components should be followed under PG&E's avian protection standards to ensure that distribution lines are raptor-safe.</p> <p>Revise text as follows:</p> <p>As part of the Avian Protection Plan development, HWT and PG&E shall work with USFWS to determine the need for installation of bird diverters in areas near known golden and bald eagle nests.</p>
4.4-51	<p>Mitigation Measure BIO-3: Minimize Impacts to Raptors and Other Avian Life from Transmission and Power Line Facilities.</p> <p>Operational construction or replacement work shall be avoided during the nesting bird season (January 15 to August 31) to the extent feasible.</p>	<p>Revise text as follows:</p> <p>Operational eConstruction or replacement work shall be avoided during the nesting bird season (January 15 to August 31 commencing January 15 for golden eagle and February 1 for all other birds through August 31) to the extent feasible.</p>

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4.4-51	<p>Mitigation Measure BIO-3: Minimize Impacts to Raptors and Other Avian Life from Transmission and Power Line Facilities.</p> <p>If an active nest is found, the biologist shall establish a no-disturbance nesting buffer until the nest is inactive. If operational construction activities must occur within this buffer, the biologist shall coordinate with CDFW and, as necessary, USFWS to determine buffer reductions and/or nest monitoring to avoid impacts to active nests.</p>	<p>This statement requires coordination and approval from CDFW and/or USFWS when no-disturbance buffers are reduced. It is not appropriate or feasible for PG&E to seek approvals for buffer reductions pertaining to individual nests from CDFW or USFWS, as there is no specific mechanism (beyond CFGC or MBTA take prohibitions) for either agency to grant approvals for particular nest buffer distance reductions.</p> <p>Revise text as follows:</p> <p>If an active nest is found, the biologist shall establish a no-disturbance nesting buffer until the nest is inactive <u>in accordance with the species-specific buffers set forth in PG&E's Nesting Birds: Specific Buffers for PG&E Activities (Appendix E to the PEA) as detailed in APM BIO-2 and Mitigation Measure BIO-1.</u> If operational construction activities must occur within this buffer, the biologist shall <u>inform CPUC, coordinate with CDFW, and, as necessary, USFWS to determine of any</u> buffer reductions and/or nest monitoring to avoid impacts to active nests.</p>
4.4-52	<p>Mitigation Measure BIO-4: Develop and Implement a Restoration Plan for Blue Oak Woodland Habitat.</p> <p>HWT, PG&E, and/or their contractor(s) shall develop and implement a Habitat Restoration Plan to mitigate any temporary and permanent impact on blue oak woodland habitat. For any temporary impact, all disturbed soils and new fill in this habitat shall be revegetated with site-appropriate native species. For any permanent impact, blue oak woodland habitat shall be mitigated at a ratio of 1.1:1 (replacement to impact). Blue oak trees and valley oak trees that are removed shall be mitigated at a ratio that shall be determined based on the diameter at breast height (dbh) of the tree, as described further below.</p>	<p>Woody vegetation would be prohibited along the underground corridor.</p> <p>Revise text as follows:</p> <p>HWT, PG&E, and/or their contractor(s) shall develop and implement a Habitat Restoration Plan to mitigate any temporary and permanent impact on blue oak woodland habitat. For any temporary impact, all disturbed soils and new fill in this habitat shall be revegetated with site-appropriate native species <u>compatible with the facility.</u> For any permanent impact, blue oak woodland habitat shall be mitigated at a ratio of 1.1:1 (replacement to impact). Blue oak trees and valley oak trees that are removed shall be mitigated at a ratio that shall be determined based on the diameter at breast height (dbh) of the tree, as described further below.</p>
4.4-52	<p>Mitigation Measure BIO-4: Develop and Implement a Restoration Plan for Blue Oak Woodland Habitat.</p> <p>Blue oak woodland restoration or compensation may be completed at the work area, in the vicinity, or at a conservation bank with a service area that covers the Proposed Project or selected alternative. Revegetated or restored areas shall be maintained and monitored to ensure a minimum of 65 percent survival of woody plantings after 5 years .</p>	<p>Revise text as follows:</p> <p>Blue oak woodland restoration or compensation may be completed at the work area, in the vicinity, or at a conservation bank with a service area that covers the Proposed Project or selected alternative. Revegetated or restored areas shall be maintained and monitored to ensure a minimum of 65 percent survival of woody plantings after 5 years <u>or 75 percent survival of woody plantings after 3 years.</u></p>
4.4-53	<p>Implementation of APM HAZ-1 would prevent the introduction of hazardous materials into natural communities,</p>	<p>APM's do not apply to O&M activities. PG&E would implement BMP's during O&M activities.</p> <p>Revise text as follows:</p> <p>Implementation of <u>APM HAZ-1 standard BMPs</u> would prevent the introduction of hazardous materials into natural communities,</p>
4.4-56	<p>Although special-status plants are not likely to be encountered, if such species are discovered within the proposed work area and cannot be avoided impacts would be significant.</p>	<p>Revise text as follows:</p> <p>Although special-status plants are not likely to be encountered, if such species are discovered within the proposed work area and cannot be avoided impacts <u>would have the potential to</u> be significant.</p>
4.4-56	<p>Although the northern reasonably foreseeable distribution line segment would cross Dry Creek, the distribution line would be installed within the median of SR 46</p>	<p>Revise text as follows:</p> <p>Although the northern reasonably foreseeable distribution line segment would cross Dry Creek, the distribution line would be <u>installed within the median of parallel the existing SR 46 right-of-way.</u></p>
4.4-60	<p>The Alternative PLR-1A route would cross several major surface water bodies (i.e., Dry Creek, Huer Huero Creek), as well as several unnamed drainages</p>	<p>Indirect effects to water quality are not discussed under criterion B. The discussion should analyze potential indirect effects to water quality and reference applicable APMs similar to the discussion under criterion C.</p>
4.4-62	<p>The Alternative PLR-1C route would parallel Estrella River for a portion of its length and would cross Huer Huero Creek, as well as several unnamed drainages.</p>	<p>Indirect effects to water quality are not discussed under criterion B. The discussion should analyze potential indirect effects to water quality and reference applicable APMs similar to the discussion under criterion C.</p>
4.4-63	<p>General comment regarding Alternative PLR-3: Strategic Undergrounding (Option 1 & 2)</p>	<p>The potential for wildlife entrapment would increase under this alternative and should be addressed.</p>
4.4-58	<p>While the operation and maintenance activities at the substation would not be anticipated to impact special-status species, the 230 kV interconnection would have potential to impact special-status birds (e.g., via electrocution or collision) if not designed properly, which would be a significant impact. To avoid or minimize these effects, Mitigation Measure BIO-3 would be implemented, which would require that the 230 kV interconnection follow APLIC guidelines for avian protection. Implementation of this mitigation measure would reduce effects on special-status species during operation to a level that is less than significant. Overall, impacts under significance criterion A would be less than significant with mitigation.</p>	<p>APLIC does not have guidelines for high voltage lines in the 230kV range, since the spacing between higher voltage lines is such that it does not present a substantial threat of bird electrocution, even for larger species. Because there are no guidelines, there is no way to design the 230kV interconnection to APLIC standards. Subsequently, the 230kV interconnection should not be considered as a threshold for significant impacts.</p> <p>Revise text as follows:</p> <p><u>While the operation and maintenance activities at the substation would not be anticipated to impact special-status species, the 230 kV interconnection would have potential to impact special-status birds (e.g., via electrocution or collision) if not designed properly, which would be a significant impact. To avoid or minimize these effects, Mitigation Measure BIO-3 would be implemented, which would require that the 230 kV interconnection follow APLIC guidelines for avian protection. Implementation of this mitigation measure would reduce effects on special-status species during operation to a level that is less than significant.</u> Overall, impacts under significance criterion A would be less than significant <u>with mitigation.</u></p>
4.4-61	<p>One important difference is that in starting at the Bonel Ranch Substation Site (Alternative SS-1), Alternative PLR-1C would parallel the Estrella River at the outset, where there would be increased potential for special-status species to be present, including nesting birds, which may use the Estrella River corridor.</p>	<p>Special-status species commonly refers to listed, candidate, and special-concern species but the term does not normally encompass all nesting birds.</p> <p>Revise text as follows:</p> <p>One important difference is that in starting at the Bonel Ranch Substation Site (Alternative SS-1), Alternative PLR-1C would parallel the Estrella River at the outset, where there would be increased potential for special-status species to be present, <u>including nesting birds,</u> which may use the Estrella River corridor.</p>

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4.4-63 to 4.4-64	Strategic undergrounding. “Alternative PLR-3 would permanently impact 0.52 acre and temporarily impact 3.44 to 3.51 acres of blue oak woodland habitat, which is a sensitive natural community. These impacts would be considered significant. To mitigate the impacts to blue oak woodland, Mitigation Measure BIO-4 would be implemented, which would require development and implementation of a blue oak woodland habitat restoration plan. This would include replacement of any removed trees and would reduce impacts on blue oak woodland from Alternative PLR-3 to a level that is less than significant.”	Revise for clarity of impacts. Revise as follows: Alternative PLR-3 would permanently impact 0.52 acre and temporarily impact 3.44 to 3.51 acres of blue oak woodland habitat, which is a sensitive natural community. <u>In addition, up to 47 oak trees would be required to be removed permanently.</u> These impacts would be considered significant. To mitigate the impacts to blue oak woodland, Mitigation Measure BIO-4 would be implemented, which would require development and implementation of a blue oak woodland habitat restoration plan. This would include <u>replacement-off-site mitigation</u> of any removed trees and would reduce impacts on blue oak woodland from Alternative PLR-3 to a level that is less than significant <u>with mitigation.</u>
4.4-64	Indirect effects are not discussed under criterion B. Where are the APMs & MMs to address indirect impacts similar to impacts under significance criterion C? (e.g., erosion and sedimentation, fugitive dust, release of hazardous materials) would be minimized through implementation of APMs HYDRO-1, HAZ-1, GEN-1, and AIR-3?	Indirect effects to water quality are not discussed under criterion B. The discussion should analyze potential indirect effects to water quality and reference applicable APMs similar to the discussion under criterion C.
4.4-65	By undergrounding the 70 kV power line, the alternative would avoid or minimize impacts on special-status bird species (e.g., golden eagle), which would further the goals and policies in the County’s and City’s General Plans to avoid or minimize impacts on biological resources.	The transition stations and riser poles at each end of the underground line would include above-ground electrified components that could pose an electrocution hazard to birds. Because of this consideration, MM BIO-3 will be implemented for criterion A, and so MM BIO-3 should be implemented here for this criterion or this statement should be removed. If the statement is to remain, revise text as follows: By undergrounding the 70 kV power line, the alternative would avoid or minimize impacts on special-status bird species (e.g., golden eagle), which would further the goals and policies in the County’s and City’s General Plans to avoid or minimize impacts on biological resources.
4.4-66	The substation under Alternative SE-1A would not directly impact riparian habitat or the drainage features to the south of the site. Alternative SE-1A would not directly affect any of the vegetation communities considered sensitive by CDFW (i.e., blue oak woodland, central coastal scrub, Central Coast cottonwood-willow riparian forest, coastal and valley freshwater marsh, and sandy wash). Because the individual oak trees on the site would not be part of a larger sensitive natural community, these impacts would not be significant and would not require mitigation. As a result, impacts under significance criterion B would be less than significant.	Indirect effects to water quality are not discussed under criterion B. The discussion should analyze potential indirect effects to water quality and reference applicable APMs similar to the discussion under criterion
4.4-68	Alternative SE-PLR-2 route would parallel and cross Spanish Camp Creek at South River Road. The route also would pass through areas of blue oak woodland (PG&E 2019), which is considered a sensitive natural community by the City of Paso Robles and CDFW.	Indirect effects to water quality are not discussed under criterion B. The discussion should analyze potential indirect effects to water quality and reference applicable APMs similar to the discussion under criterion
4.4-64	The undergrounded power line under Alternative PLR-3 would have no potential to cause substantial adverse effects (e.g., electrocution, collision) to special-status birds; however, the transition stations and riser poles at each end of the underground line would include above-ground electrified components that could pose an electrocution hazard to birds, which would be a significant impact.	Revise text as follows: The undergrounded power line under Alternative PLR-3 would have no potential to cause substantial adverse effects (e.g., electrocution, collision) to special-status birds; however, the transition stations and riser poles at each end of the underground line would include above-ground electrified components that could pose an electrocution hazard to birds, which would <u>only</u> be a significant impact <u>if not designed to raptor-safe standards.</u>
4.4-61	Other operation and maintenance activities would not be expected to substantially affect special-status invertebrates, amphibians, reptiles, or mammals. Overall, impacts under significance criterion A would be less than significant with mitigation.	The underground route consists of much higher ground disturbance and therefore higher potential to impact special-status wildlife during construction; this does not seem clear in this description.
4.4-66	To avoid or minimize these effects, Mitigation Measure BIO-3 would be implemented, which would require that the 230 kV interconnection follow APLIC guidelines for avian protection.	APLIC does not have a recommendation for this 230 voltage (construction spacing). Only the 2012 collision manual would apply.
4.4-68	This risk would be elevated for the Alternative SE-PLR-2 route given the presence of several known golden eagle nests within proximity to this route.	Eagles have large territories; this statement is speculative, especially with raptor-safe construction. Any power line has the potential to impact birds by collision. Revise text as follows: <u>This risk would be elevated for the Alternative SE-PLR-2 route given the presence of several known golden eagle nests within proximity to this route.</u>
4.4-70	There are several oak trees present on potential FTM Site 6, as well as on potential FTM Sites 3 and 7, which could require removal depending on the ultimate size of the BESSs. However, removal of these isolated trees would not constitute a substantive impact to a sensitive natural community.	Other alternatives have mentioned oak removals at very low levels (3 trees) and indicated that this was a significant impact; this statement indicates that oak tree removal is not substantive. There is no mention of mitigation for the removal of oak trees. This analysis should be treated the same as the other locations when it comes to oak tree removal.
Cultural Resources		
4-5.1	This section describes the potential impacts of the Proposed Project, reasonably foreseeable distribution components, and alternatives related to cultural resources. Section 15064.5(a)(3) of the CEQA Guidelines defines cultural resources as objects, buildings, structures, sites, areas, places, records or manuscripts that are determined historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California. Relative to the Proposed Project, these resources can be further described as prehistoric archaeological sites, historic-era archaeological sites, historic buildings and structures, landscapes, districts, and linear features. Prehistoric archaeological sites are places where Native Americans lived or carried out activities during the prehistoric period, which is generally prior to the late 1700s for the region. Historic-era archaeological sites reflect the activities of people after initial exploration and settlement in the region by the Spanish during the late 1700s, and later by others. Native American sites can also reflect the historic era. Prehistoric and historic-era sites contain artifacts, cultural features, subsistence remains, and human burials.	Please add the following text to the end of the paragraph: <u>Although this section generally discusses cultural resources, it is primarily focused on archaeological and built environment resources. Tribal cultural resources, which can include archaeology and built environment, but are also comprised of a wider range of resources of concern to Native Americans with ties to the project area, are discussed in Chapter 4.18.</u>

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4.5-1	<p>California Environmental Quality Act Section 21083.2 of CEQA (PRC Section 21000 et seq.) requires that the lead agency determine whether a project may have a significant effect on unique archaeological resources. A unique archaeological resource is defined in CEQA as an archaeological artifact, object, or site about which it can be clearly demonstrated that there is a high probability that it:</p> <ul style="list-style-type: none"> • Contains information needed to answer important scientific research questions, and there is demonstrable public interest in that information; • Has a special or particular quality, such as being the oldest of its type or the best available example of its type; or • Is directly associated with a scientifically recognized important prehistoric or historic event or person. <p>Measures to conserve, preserve, or mitigate and avoid significant effects on these resources are also provided under CEQA Section 21083.2. CEQA Guidelines Section 15064.5 also provides criteria and processes/procedures for identifying and minimizing harm to historical resources.</p>	<p>Revise text as follows:</p> <p><u>Unique Archaeological Resources-California Environmental Quality Act</u> <u>In addition to the protection of Historic Resources</u>, Section 21083.2 of CEQA (PRC Section 21000 et seq.) requires that the lead agency determine whether a project may have a significant effect on unique archaeological resources. A unique archaeological resource is defined in CEQA as an archaeological artifact, object, or site about which it can be clearly demonstrated that there is a high probability that it:</p> <ul style="list-style-type: none"> • Contains information needed to answer important scientific research questions, and there is demonstrable public interest in that information; • Has a special or particular quality, such as being the oldest of its type or the best available example of its type; or • Is directly associated with a scientifically recognized important prehistoric or historic event or person. <p>Measures to conserve, preserve, or mitigate and avoid significant effects on these resources are also provided under CEQA Section 21083.2. CEQA Guidelines Section 15064.5 also provides criteria and processes/procedures for identifying and minimizing harm to historical resources. <u>Although historical resources and unique archaeological resources are discussed separately within the CEQA guidelines, in practice, the criteria overlap sufficiently that it is difficult to conceive of a unique archaeological resource that would not also be a historical resource.</u></p>
4-5.2	<p>California Health and Safety Code Section 7050.5 Section 7050.5 of the Health and Safety Code requires that construction or excavation be stopped in the vicinity of discovered human remains until the county coroner can determine whether the remains are those of a Native American. If the remains are determined to be a Native American, the Coroner must then contact the Native American Heritage Commission (NAHC).</p>	<p>Revise text as follows:</p> <p>California Health and Safety Code Section 7050.5 Section 7050.5 of the Health and Safety Code requires that construction or excavation be stopped in the vicinity of discovered human remains until the county coroner can determine whether the remains are those of a Native American. If the remains are determined to be a Native American, the Coroner must then contact the Native American Heritage Commission (NAHC). <u>Under Section 5097.98 of the Public Resources Code (PRC), the NAHC will determine the Most Likely Descendants (MLD) and notify them of the discovery. As per Section 5097.98 (a-b), the landowner (and presumably the project proponent and CPUC, though proponents and lead agencies are not discussed within the PRC) will confer with the MLD to determine appropriate treatment of the human remains.</u></p>
4-5.2	<p>California Register of Historical Resources The California Register of Historical Resources (CRHR) is established in PRC Section 5024.1. The register lists all California properties considered to be significant historical resources, including all properties listed in, or determined to be eligible for listing, the National Register of Historic Places (NRHP). Resources listed in, or eligible for listing in, the CRHR are referred to as <i>historical resources</i>. The criteria for listing in the CRHR include resources that:</p> <ol style="list-style-type: none"> 1. Are associated with the events that have made a significant contribution to the broad patterns of California's history and cultural heritage; 2. Are associated with the lives of persons important in our past; 3. Embody the distinctive characteristics of a type, period, region, or method of construction, or represent the work of an important creative individual, or possess high artistic values; or 4. Have yielded, or may be likely to yield, information important in prehistory or history. <p>CCR Section 4852 sets forth the criteria for eligibility as well as guidelines for assessing historical integrity and resources that have special considerations</p>	<p>Please move this section to precede the Unique Archaeological Resources Section, as modified above, and add the following text:</p> <p>California Register of Historical Resources <u>Under CCR Section 21084.1: "A project 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." A historical resource is defined as "a resource listed in, or determined to be eligible for listing in, the California Register of Historical Resources. Historical resources included in a local register of historical resources, as defined in subdivision (k) of Section 5020.1, or deemed significant pursuant to criteria set forth in subdivision (g) of Section 5024.1...."</u></p> <p>The California Register of Historical Resources (CRHR) is established in PRC Section 5024.1. The register lists all California properties considered to be significant historical resources, including all properties listed in, or determined to be eligible for listing, the National Register of Historic Places (NRHP). Resources listed in, or eligible for listing in, the CRHR are referred to as <i>historical resources</i>. The criteria for listing in the CRHR include resources that:</p> <ol style="list-style-type: none"> 1. Are associated with the events that have made a significant contribution to the broad patterns of California's history and cultural heritage; 2. Are associated with the lives of persons important in our past; 3. Embody the distinctive characteristics of a type, period, region, or method of construction, or represent the work of an important creative individual, or possess high artistic values; or 4. Have yielded, or may be likely to yield, information important in prehistory or history. <p>CCR Section 4852 sets forth the criteria for eligibility as well as guidelines for assessing historical integrity and resources that have special considerations.</p>
4.5-8	The cedar utility pole is located 9 feet southwest of the well and is about 256 feet tall	<p>Revise text as follows:</p> <p>The cedar utility pole is located 9 feet southwest of the well and is about 256 feet tall</p>
4.5-14	The seven archaeological isolates were not indicative of larger sites and thus are not considered eligible for listing in the CRHR or unique archaeological resources; however, their presence attests to the widespread general use of the region by the indigenous population during the pre-historic and historic past. As noted above, coordination with Native American tribes in the area indicated that the areas of the Proposed Project region near surface waterbodies, in particular (e.g., Dry Creek, and Estrella and Salinas rivers), are sensitive for cultural resources. Of the 11 built environment resources, only the Johnson House appears to be eligible for listing on the CRHR. This house is situated off Union Road along the Proposed Project's 70 kV power line route near the point where the power line would cross SR 46.	<p>The reasoning provided in the document that the tribes indicate higher sensitivity at the rivers is sufficient for calling out the sensitivity for Tribal Cultural Resources. To call it out for general archeological sensitivity requires more explanation.</p> <p>Revise text as follows:</p> <p>The seven archaeological isolates were not indicative of larger sites and thus are not considered eligible for listing in the CRHR or unique archaeological resources; however, their presence attests to the widespread general use of the region by the indigenous population during the pre-historic and historic past. <u>As described earlier in the chapter, previous activities near the rivers and a tendency for people to settle near perennial water sources increase the likelihood of archaeological sites in the vicinity of rivers and creeks.</u> As noted above, coordination with Native American tribes in the area indicated that the areas of the Proposed Project region near surface waterbodies, in particular (e.g., Dry Creek, and Estrella and Salinas rivers), are sensitive for <u>tribal</u> cultural resources. Of the 11 built environment resources, only the Johnson House appears to be eligible for listing on the CRHR. This house is situated off Union Road along the Proposed Project's 70 kV power line route near the point where the power line would cross SR 46.</p>

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4.5-14	Based on the buried site sensitivity analysis described in Section 4.5.3, construction of new 70 kV power line poles across Huer Huero Creek near Union Road would also have potential to encounter preserved buried cultural deposits in the Holocene-aged valley floor and stream channel alluvium. In particular, installation of concrete pier foundations for poles, which will reach depths of up to 20 feet, would have the greatest potential to encounter/impact buried resources. Minor grading for structure locations, pull and tension sites, and access roads could also reveal buried archaeological materials.	<p>This is not consistent with the findings of the buried site sensitivity analysis in Section 4.5.3. The analysis indicates that deeper excavation is likely to hit culturally sterile landforms that predate human occupation of the Americas. Holocene-aged sediments closer to the surface are more likely to contain archaeological resources. Therefore, the likelihood of the pole footing excavation or more minor grading to encounter resources is similar.</p> <p>Revise text as follows:</p> <p>Based on the buried site sensitivity analysis described in Section 4.5.3, construction of new 70 kV power line poles across Huer Huero Creek near Union Road would also have potential to encounter preserved buried cultural deposits in the Holocene-aged valley floor and stream channel alluvium. In particular, installation of concrete pier foundations for poles, which will reach depths of up to 20 feet, would have the greatest potential to encounter/impact buried resources. Minor grading for structure locations, pull and tension sites, and access roads could also reveal buried archaeological materials.</p>
4-5.16	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>The following actions by the CPUC are designed to augment the APMs provided by the Project proponents to ensure that construction impacts to cultural resources are mitigated to a level of less than significant:</p> <p>a. The CPUC shall appoint a qualified archaeologist to represent the interests of the CPUC and oversee the implementation of the APMs with regard to archaeological resources on their behalf. The archaeologist shall meet the U.S. Secretary of the Interior's Professional Qualifications Standards for Archeology.</p>	<p>This portion of the measure refers to an action taken by the CPUC, not the Applicants. Therefore, it should be removed.</p> <p>Revise text as follows:</p> <p>The following actions by the CPUC are designed to augment the APMs provided by the Project proponents to ensure that construction impacts to cultural resources are mitigated to a level of less than significant:</p> <p>a. The CPUC shall appoint a qualified archaeologist to represent the interests of the CPUC and oversee the implementation of the APMs with regard to archaeological resources on their behalf. The archaeologist shall meet the U.S. Secretary of the Interior's Professional Qualifications Standards for Archeology.</p>
4-5.16	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>b. The Project proponents shall make every effort to design the project to avoid known eligible or potentially eligible cultural resources for the Proposed Project, reasonably foreseeable distribution components, and alternatives. A 50-foot buffer, using flagging, rope, tape, or fencing, shall be established around the boundary of each respective resource, which shall be designated an environmentally sensitive area. If the proponent engineers determine that the project cannot be designed to avoid known cultural resources and construction will encroach upon the resource buffer, construction monitoring by an archaeologist shall be required.</p>	<p>This portion of the measure is already required by APM Cul-4 and should therefore be removed.</p> <p>Revise text as follows:</p> <p>b. The Project proponents shall make every effort to design the project to avoid known eligible or potentially eligible cultural resources for the Proposed Project, reasonably foreseeable distribution components, and alternatives. A 50-foot buffer, using flagging, rope, tape, or fencing, shall be established around the boundary of each respective resource, which shall be designated an environmentally sensitive area. If the proponent engineers determine that the project cannot be designed to avoid known cultural resources and construction will encroach upon the resource buffer, construction monitoring by an archaeologist shall be required.</p>
4-5.16	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>A Native American representative from a consulting tribe shall be retained to monitor the construction activities if the resource is a Native American archaeological site.</p>	<p>The CPUC performed AB 52 consultation, and PG&E was not present. Given local tribal territories and desires, it is inappropriate for PG&E to choose a monitor, that should be done by the CPUC.</p> <p>Revise text as follows:</p> <p>A Native American representative from a consulting tribe <u>identified by the CPUC</u> shall be retained to monitor the construction activities if the resource is a Native American archaeological site. The Project proponent will be responsible for communicating project schedules and needs to the Native American monitor and/or tribe, but it is the responsibility of the tribe to ensure that the monitor is on site when called for, and work may proceed if the Project proponent has provided adequate notice of work.</p>
4-5.17	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>The archaeological monitor shall notify the Project's cultural resources principal investigator immediately, and the principal investigator shall, in turn, notify the CPUC and their appointed professional archaeologist. If an archaeological monitor is not present at the time of the find, Project proponent's environmental inspector or construction supervisor shall make the notifications. The Project's cultural resources principal investigator shall inspect the find within 24 hours of discovery and notify the CPUC of their initial assessment.</p>	<p>Revise text as follows:</p> <p>The archaeological monitor shall notify the Project's cultural resources principal investigator immediately, and the principal investigator shall, in turn, notify the CPUC and their appointed professional archaeologist. <u>If the discovery happens during work being performed by PG&E, the PG&E cultural resource specialist (CRS) must also be notified alongside the CPUC. PG&E's CRSs meet Secretary of the Interior Qualifications as archaeological principal investigators, and have extensive experience performing cultural resources studies within the electrical utility environment.</u> If an archaeological monitor is not present at the time of the find, Project proponent's environmental inspector or construction supervisor shall make the notifications. The Project's cultural resources principal investigator shall inspect the find within 24 hours of discovery and notify the CPUC, <u>and, if on a PG&E portion of the project, PG&E's CRS,</u> of their initial assessment.</p>
4.5-17	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>Avoidance means that no activities associated with the Project that may affect cultural resources shall occur within the boundaries of the resource or any defined buffer zones.</p>	<p>Add the following text:</p> <p>Avoidance means that no activities associated with the Project that may affect cultural resources shall occur within the boundaries of the resource or any defined buffer zones. <u>If the assessment of significance can be made by the cultural resources principal investigator based on a small sample of discovered material, then the CPUC must respond in writing within 48 hours, or it may be assumed that the CPUC concurs with the principal investigator's findings. If analysis of the discovery requires an in-depth study (i.e., eligibility excavations, etc.) then the CPUC must respond in writing within 1 week of receipt of the principal investigator's report, or it may be assumed that the CPUC concurs with the principal investigator's findings. If the resource is found during PG&E work, or PG&E work will be impacted by the presence or discovery of the resource, then the principal investigator will consult with the PG&E CRS throughout the assessment and, if appropriate, treatment process.</u></p>

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4-5.17	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>The resource and treatment method shall be documented in a professional-level technical report to be filed with the California Historical Resources Information System. Work in the area may commence, at the direction of the CPUC, upon completion of treatment and under the direction of the qualified archaeologist.</p>	<p>Revise text as follows:</p> <p>The resource and treatment method shall be documented in a professional-level technical report to be filed with the California Historical Resources Information System. <u>The CPUC must provide either concurrence or comments in writing within 1 week of receiving the report. A lack of response from the CPUC may be taken as concurrence with the sufficiency of the treatment documented within the report.</u> Work in the area may commence, at the direction of the CPUC, following concurrence from the CPUC that the work performed was sufficient, upon completion of treatment and under the direction of the qualified archaeologist. <u>Should the resource also be identified as a tribal cultural resource, then measures outlined in Section 4.18 will also apply if resource-specific measures identified during the resource-specific consultation do not supersede them.</u></p>
4-5.18	<p>However, there would be potential to encounter buried human remains in any area the Proposed Project plans disturbance, especially where there would be deep excavations for pole and tower foundations.</p>	<p>This statement contradicts the buried site analysis in this chapter in which concluded deeper excavation is more likely to encounter resources, which is not true in this geological environment, where deeper excavation is likely to encounter deposits that pre-date humans.</p> <p>Revise text as follows:</p> <p>However, there would be potential to encounter buried human remains in any area the Proposed Project plans disturbance, especially where there would be deep excavations for pole and tower foundations.</p>
4-5.18	<p>The most likely descendant would then inspect the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of the human remains and any items associated with Native American burials.</p>	<p>The statement seems to indicate that the MLD could only recommend excavation, which is not correct according to the law.</p> <p>Revise text as follows:</p> <p>The most likely descendant would then inspect the site within 48 hours of notification and may recommend <u>measures that they feel are appropriate, potentially including</u> scientific removal and nondestructive analysis of the human remains and any items associated with Native American burials.</p>
4-5.19	<p>Mitigation Measure CR-2: Comply with the Legal Requirements of PRC 5097.98.</p> <p>In turn, the principal investigator shall immediately notify the County coroner, as well as the CPUC and their appointed professional archaeologist.</p>	<p>Revise text as follows:</p> <p>In turn, the principal investigator shall immediately notify the County coroner, as well as the CPUC and their appointed professional archaeologist <u>and, if the discovery is made during PG&E activities, the PG&E CRS.</u></p>
4-5.19	<p>Mitigation Measure CR-2: Comply with the Legal Requirements of PRC 5097.98.</p> <p>The most likely descendent will complete inspection of the site and make recommendations or preferences for treatment within 48 hours of being granted access to the site. Construction will not continue in the protected area until treatment of the remains has been resolved and notice is provided by the CPUC archaeologist to resume work in the area.</p>	<p>Revise text as follows:</p> <p>The most likely descendent will complete inspection of the site and make recommendations or preferences for treatment within 48 hours of being granted access to the site. <u>As per Section 5097.98 of the PRC, the MLD must also work with the landowner to determine appropriate treatment of remains.</u></p>
4-5.19	<p>Mitigation Measure CR-2: Comply with the Legal Requirements of PRC 5097.98.</p> <p>Construction will not continue in the protected area until treatment of the remains has been resolved and notice is provided by the CPUC archaeologist to resume work in the area.</p>	<p>Time limits are valuable as they allow PG&E to know clearly when something is complete, as opposed to when it is ongoing, and it allows.</p> <p>Revise text as follows:</p> <p>Construction will not continue in the protected area until treatment of the remains has been resolved and notice is provided by the CPUC archaeologist to resume work in the area, <u>which the CPUC must provide within 24 hours of resolution. If an MLD is not identified by the NAHC, or if the MLD and the landowner cannot reach agreement, then the provisions of PRC Section 5097.98 will be put into effect.</u></p>
4-5.20	<p>Mitigation Measure CR-3: Complete Cultural Resources Studies, Evaluate Resources for Significance, and Implement Avoidance and Minimization Measures.</p> <p>The archaeological and built environment resources surveys shall be completed prior to construction of the respective components and prior to final design.</p>	<p>Revise text as follows:</p> <p>The archaeological and built environment resources surveys shall be completed prior to construction of the respective components and prior to final design. <u>The CPUC must either comment on or concur with the findings of the report within 30 days of receipt. Lack of response within 30 days may be considered concurrence.</u></p>
4-5.20	<p>Mitigation Measure CR-3: Complete Cultural Resources Studies, Evaluate Resources for Significance, and Implement Avoidance and Minimization Measures.</p> <p>The pedestrian survey shall include systematic surface inspection with transects spaced at 15-meter (approximately 50-foot) intervals, or less, and shall cover the entire site or alignment and a 100-foot buffer around the site or alignment.</p>	<p>Depending on the locations, 15 meter transects or less, while preferred, may not be possible or safe.</p> <p>Revise text as follows:</p> <p>The pedestrian survey shall include systematic surface inspection with transects spaced at 15-meter (approximately 50-foot) intervals, or less <u>where feasible and safe (owing to landform, paving, and previous construction). Where such transects are not feasible or safe, survey shall provide the most complete coverage possible either through wider transects (ex. on steep slopes near rivers) or opportunistic survey (ex.: locations where private property fences or buildings/pavement obscure the ground),</u> and shall cover the entire site or alignment and a 100-foot buffer around the site or alignment.</p>
4-5.21	<p>Mitigation Measure CR-3: Complete Cultural Resources Studies, Evaluate Resources for Significance, and Implement Avoidance and Minimization Measures.</p> <p>Archaeological sites found to contain human remains must be treated in accordance with the provisions of Section 7050.5 of the California Health and Safety Code (see APM CUL-4 and Mitigation Measure CR-2).</p> <p>Should any archaeological site be determined eligible for listing in the CRHR, and if Project proponent design engineers determine that any portion of the site that contributes to its eligibility cannot be avoided by construction, a data recovery program shall be necessary and a detailed data recovery plan shall be prepared by a qualified archaeologist per Mitigation Measure CR-1(b). The data recovery plan must be submitted and approved by the CPUC prior to implementation of the plan. The CPUC shall ensure that consulting tribes will have the opportunity to review the data recovery plan for any CRHR-eligible Native American site.</p>	<p>Revised text as follows:</p> <p>Archaeological sites found to contain human remains must be treated in accordance with the provisions of Section 7050.5 of the California Health and Safety Code (see APM CUL-4 and Mitigation Measure CR-2). <u>The CPUC and tribes must either comment on or concur with the findings of the report within 30 days of receipt. Lack of response within 15 days may be considered concurrence.</u></p> <p>Should any archaeological site be determined eligible for listing in the CRHR, and if Project proponent design engineers determine that any portion of the site that contributes to its eligibility cannot be avoided by construction, a data recovery program shall be necessary and a detailed data recovery plan shall be prepared by a qualified archaeologist per Mitigation Measure CR-1(b). The data recovery plan must be submitted and approved by the CPUC prior to implementation of the plan. The CPUC shall ensure that consulting tribes will have the opportunity to review the data recovery plan for any CRHR-eligible Native American site. <u>The CPUC and tribes must either comment on or concur with the findings of the report within 30 days of receipt. Lack of response within 15 days may be considered concurrence.</u></p>

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4-5.21	For any artifacts removed during project evaluation or data recovery excavations, the Project proponent's qualified archaeologist must provide for the curation of such artifact(s).	Tribes often ask for reburial rather than curation. Is that feasible for the CPUC?
4-5-22	The potential would be slightly elevated under Alternative SS-1 due to the site's location close to the Estrella River, which Native American tribes in the area have indicated is sensitive for cultural resources.	Revise text as follows: The potential would be slightly elevated under Alternative SS-1 due to the site's location close to the Estrella River, which both general archaeological practice and the advice of Native American tribes in the area indicated is sensitive for cultural resources.
4-5-23	Mitigation Measure CR-3 would be applied to ensure that avoidance and minimization measures are implemented for these resources. Because the Alternative PLR-1A route has already been subject to a pedestrian archaeological survey, this would not be required under Mitigation Measure CR-3.	This statement is only partially correct. Portions of PLR-1 (all versions) were surveyed, not the entire line. Revise text as follows: Mitigation Measure CR-3 would be applied to ensure that avoidance and minimization measures are implemented for these resources and that the portions of the Alternative PLR-1C alignment not previously surveyed are subjected to a pedestrian archaeological survey. Because the Alternative PLR-1A route has already been subject to a pedestrian archaeological survey, this would not be required under Mitigation Measure CR-3.
4-5-24	Additionally, only a portion of the alignment was surveyed for built environment resources and several of the built environment resources that were identified along the alignment were not evaluated for significance. Thus, Alternative PLR-1C would result in significant impacts absent implementation of mitigation measures.	This is only true if the resources are both present and found to be eligible. Changing the language to indicate that it may cause impacts is appropriate. Revise text as follows: Additionally, only a portion of the alignment was surveyed for built environment resources and several of the built environment resources that were identified along the alignment were not evaluated for significance. Thus, Alternative PLR-1C would may result in significant impacts absent implementation of mitigation measures.
4-5-25	Construction of Alternative SE-1A would have similar potential to encounter buried human remains as the proposed Estrella Substation. Implementation of APM CUL-4 would require that HWT and PG&E follow protocols that are consistent with those outlines in California Health and Safety Code Section 7050.5, but would not reduce this impact to a level of less than significant.	Revise text as follows: Construction of Alternative SE-1A would have similar potential to encounter buried human remains as the proposed Estrella Substation. Implementation of APM CUL-4 would require that HWT and PG&E follow protocols that are consistent with those outlines in California Health and Safety Code Section 7050.5, but would not reduce this impact to a level of less than significant.
4-5.26	Coordination with Native American tribes indicated that the Santa Ysabel Ranch area (through which the Alternative SE-PLR-2 alignment would pass) is sensitive for cultural resources.	This requires more explanation. Did they indicate that it is sensitive for tribal cultural resources, which includes a wide range of resources such as landscapes, ceremonial area, plant gathering, etc.? If so, then by AB 52, they would be the people with the knowledge, so that's fine, but this should specifically say that it means sensitivity for tribal cultural resources If this means cultural resources generally, including archeological and built environment, then some explanation is necessary. Someone saying that an area is sensitive does not necessarily make it so, and the data on which that conclusion is based should be presented. As this same section indicates that monitoring would not be necessary here, this creates confusion. Again, if this is talking about TCRs, then there is no objection. If it is talking about other resources, an argument for that must be made.
Geology and Soils		
4.7-2	The 2012 International Building Code (IBC) (known as the Uniform Building Code prior to 2000) was developed by the International Conference of Building Officials (ICBO) and is used by most states, including California, as well as local jurisdictions to set basic standards for acceptable design of structures and facilities.	Revise to the current year of IBC (2018). Revise text as follows: The 2012 2018 International Building Code (IBC) (known as the Uniform Building Code prior to 2000) was developed by the International Conference of Building Officials (ICBO) and is used by most states, including California, as well as local jurisdictions to set basic standards for acceptable design of structures and facilities.
4-7.3	Add after Public Resources Code 5097.5	Add the following text after the section on Public Resources Code 5097.5 <u>California Environmental Quality Act</u> <u>State guidelines for the implementation of CEQA, as amended March 29, 1999 (14 CCR Division 6, Chapter 3, 15000 et seq.) define procedures, types of activities, persons, and public agencies required to comply with CEQA. The guidelines include as one of the questions to be answered in the Environmental Checklist (Appendix G, Section V, Part c) the following: "Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?"</u> <u>CEQA includes in its definition of historical resources, "any object [or] site ... that has yielded or may be likely to yield information important in prehistory" (14 CCR 15064.5[3]), which is typically interpreted as including fossil materials and other paleontological resources. More specifically, destruction of a "unique paleontological resource or site or unique geologic feature constitutes a significant impact under CEQA" (State CEQA Guidelines Appendix G). CEQA does not provide an explicit definition of a "unique paleontological resource," but a definition is implied by comparable language within the act relating to archeological resources: "The procedures, types of activities, persons, and public agencies required to comply with CEQA are defined in: Guidelines for the Implementation of CEQA, as amended March 29, 1999" (14 CCR Chapter 3, 15000 et seq.).</u> <u>CEQA encourages the protection of all aspects of the environment by requiring state and local agencies to prepare multidisciplinary analyses of the environmental impacts of a proposed project, and to make decisions based on the findings of those analyses. Treatment of paleontological resources under CEQA is generally conducted according to guidance from the SVP or other agencies (BLM, etc.) and typically includes identification, assessment, and development of mitigation measures for potential impacts to significant or unique resources.</u> <u>Appendix G (Part V) of the State CEQA Guidelines provides guidance relative to significant impacts on paleontological resources, which states, "a project will normally result in a significant impact on the environment if it will ... disrupt or adversely affect a paleontological resource or site or unique geologic feature, except as part of a scientific study."</u>

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4.7-21	Paleontological resources include fossil remains, as well as fossil localities and rock or soil formations that have produced fossil material.	It is common for large formation to be only sensitive for paleontological resources within specific areas, and not sensitive overall. Revise text as follows: Paleontological resources include fossil remains, as well as fossil localities and rock or soil formations <u>(or, in many cases, specific elements of facies of those formations)</u> that have produced fossil material.
4.7-27	Specifically, the Proposed Project components would be designed in accordance with CPUC G.O. 174, which outlines minimum construction material requirements, calculations for foundations, and utility safety measures designed to withstand damage from ground rupture and seismic shaking. The proposed 70 kV power line structures also would be engineered to meet loads generated by forces such as seismic activity, as required by CPUC G.O. 95.	CPUC G.O. 95 does not mitigate for seismic activity, but for wind events at elevations below 3,000 feet mean sea level (msl), and for wind and ice events above 3,000 feet msl. Per American Society of Civil Engineers (ASCE) 74 – Guidelines for Electrical Transmission Line Structural Loading, “Transmission structures need not be designed for ground-induced vibrations caused by earthquake motion because, historically, transmission structures have performed well under earthquake events, and transmission structure loadings caused by wind/ice combinations and broken wire forces exceed earthquake loads” (ASCE 2020). Revise text as follows: Specifically, the Proposed Project components would be designed in accordance with CPUC G.O. 174, which outlines minimum construction material requirements, calculations for foundations, and utility safety measures designed to withstand damage from ground rupture and seismic shaking. The proposed 70 kV power line structures also would be engineered to meet loads generated by forces such as seismic activity, as required by CPUC G.O. 95.
4.7-29 to 4.7-30	Mitigation Measure GEO-1: Implement Recommendations in the Project Geotechnical Investigation Report. HWT, PG&E, and/or their contractors shall implement the recommendations contained in the geotechnical investigation report prepared for the proposed Estrella Substation (RRC 2016) and proposed 70 kV power line (Kleinfelder 2017). These include recommendations for a professional geotechnical engineer or his/her representative to be present during construction to evaluate the suitability of excavated soils for use as engineered fill, to observe and test site preparation and fill placement, and to assess the need for densification of subgrade materials.	Revise text as follows: HWT, PG&E, and/or their contractors shall implement the recommendations contained in the geotechnical investigation report prepared for the proposed Estrella Substation (RRC 2016) and proposed 70 kV power line (Kleinfelder 2017), <u>as appropriate for the work, as well as any addenda or subsequent modifications to such reports to account for updated structural design criteria based on the latest California Building Code requirements.</u> These include recommendations for a professional geotechnical engineer or his/her representative to be present during construction to evaluate the suitability of excavated soils for use as engineered fill, to observe and test site preparation and fill placement, and to assess the need for densification of subgrade materials.
4.7-36	Mitigation Measure GEO-2. Paleontological Resources Survey, Technical Report, and Construction Monitoring. The PRTR shall be prepared in accordance with standards provided by the Society for Vertebrate Paleontology and shall assign site sensitivity based on the potential fossil yield classification system utilized by the Bureau of Land Management.	Revise text as follows: The PRTR shall be prepared in accordance with standards provided by the Society for Vertebrate Paleontology and shall assign site sensitivity based on the potential fossil yield classification system utilized by the Bureau of Land Management, <u>and may use additional measures of paleontological sensitive as determined appropriate by the qualified paleontologist.</u>
4.7-39	As noted above, the majority of both Alternative PLR-3 route options would follow, and be installed within, existing roads; therefore, it is unlikely this undergrounding route would encounter unstable geologic/soil conditions or expansive soils such that construction or operation of Alternative PLR-3 could cause the soils beneath to be unstable. The Alternative PLR-3 alignment (both options) is relatively flat and in an area mapped as having low potential for liquefaction. Following the design and construction requirements in G.O. 95 and 174, as well as the CBC, would minimize hazards associated with unstable geologic units/soils or expansive soils.	Revise text as follows: As noted above, the majority of both Alternative PLR-3 route options would follow, and be installed within, existing roads; therefore, it is unlikely this undergrounding route would encounter unstable geologic/soil conditions or expansive soils such that construction or operation of Alternative PLR-3 could cause the soils beneath to be unstable. The Alternative PLR-3 alignment (both options) is relatively flat and in an area mapped as having low potential for liquefaction. Following the design and construction requirements in G.O. <u>128 95 and 174</u> , as well as the CBC, would minimize hazards associated with unstable geologic units/soils or expansive soils.
4.7-40	Nevertheless, implementation of APM GEN-1 and APMs PALEO-1 through PALEO-4 would avoid or minimize potential impacts to paleontological resources during construction, as described in Impact GEO-6.	Revise text as follows: Nevertheless, implementation of APM GEN-1 and APMs PALEO-1 through PALEO-4 would avoid or minimize potential impacts to paleontological resources during construction, as described in Impact GEO-6. <u>APM PALEO-3 should be implemented in a manner consistent with how it is proposed for construction within the Estrella Substation site.</u>
4.7-43	The FTM sites also are mapped as having low to moderate potential for liquefaction. In general, following the design and construction requirements in G.O. 95 and 174, as well as the CBC, would minimize hazards associated with unstable geologic units/soils or expansive soils.	G.O 95 and G.O 174 do not apply to battery storage structures Revise text as follows: The FTM sites also are mapped as having low to moderate potential for liquefaction. In general, following the design and construction requirements in <u>G.O. 95 and 174, as well as</u> the CBC would minimize hazards associated with unstable geologic units/soils or expansive soils.
Hazards and Hazardous Materials		
4.9-4	California Accidental Release Prevention program	The California Accidental Release Prevention program does not apply to substations
4.9-5	California Emergency Services Act The California Emergency Services Act (California Government Code, Chapter 7) established Cal EMA and created requirements for emergency response training and planning. Under this act, the State is required to develop a statewide toxic disaster contingency plan that can facilitate an California Public Utilities Commission 4.9. Hazards and Hazardous Materials Estrella Substation and Paso Robles Area Reinforcement Project Draft Environmental Impact Report 4.9-6 December 2020 Project 17.010 effective, multi-agency response to a situation in which toxic substances are dispersed in the environment so as to cause, or potentially cause, injury or death to a substantial number of persons or substantial harm to the natural environment (7 California Government Code, Section 8574.18). The California Emergency Services Act also requires the agency to develop and manage the California Hazardous Substances Incident Response Training and Education Program, which provides classes in hazardous substance response (7 California Government Code 8574.20). Under the California Emergency Services Act, Cal EMA would have the ability to provide an effective response to a catastrophic hazardous materials release.	The California Emergency Services Act does not apply to the project. Remove the following text: California Emergency Services Act The California Emergency Services Act (California Government Code, Chapter 7) established Cal EMA and created requirements for emergency response training and planning. Under this act, the State is required to develop a statewide toxic disaster contingency plan that can facilitate an California Public Utilities Commission 4.9. Hazards and Hazardous Materials Estrella Substation and Paso Robles Area Reinforcement Project Draft Environmental Impact Report 4.9-6 December 2020 Project 17.010 effective, multi-agency response to a situation in which toxic substances are dispersed in the environment so as to cause, or potentially cause, injury or death to a substantial number of persons or substantial harm to the natural environment (7 California Government Code, Section 8574.18). The California Emergency Services Act also requires the agency to develop and manage the California Hazardous Substances Incident Response Training and Education Program, which provides classes in hazardous substance response (7 California Government Code 8574.20). Under the California Emergency Services Act, Cal EMA would have the ability to provide an effective response to a catastrophic hazardous materials release.

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4.9-31 and 4.9-32	<p>Mitigation Measure HAZ-1. Prepare and Implement a Fire Prevention and Management Plan.</p> <p>For project or alternative components located within a very high or high fire hazard severity zone, HWT and PG&E shall prepare and implement a fire prevention and management plan. The document will address fire prevention measures that will be employed during the construction phases, identifying potential sources of ignition and detailing the measures, equipment, and training that will be provided to all site contractors. The fire prevention and management plan shall also address potential ignition risks during operation of the project or alternative components. Coordination with state and local fire agencies is required, as specified below, and the plan shall be submitted to the CPUC for final review and approval prior to start of construction. Where applicable, overlap with the HWT and PG&E Wildfire Mitigation Plans prepared pursuant to California Public Utilities Code Section 8386 shall be highlighted in the fire prevention and management plan. Specifically, the plan will include, at a minimum, the following:</p>	<p>PG&E and HWT would develop and implement separate fire prevention and management plans.</p> <p>Revise text as follows:</p> <p>For project or alternative components located within a very high or high fire hazard severity zone, HWT and PG&E shall prepare and implement a separate fire prevention and management plans. The documents will address fire prevention measures that will be employed during the construction phases, identifying potential sources of ignition and detailing the measures, equipment, and training that will be provided to all site contractors.</p> <p>The fire prevention and management plans shall also address potential ignition risks during operation of the project or alternative components. Coordination with state and local fire agencies is required, as specified below, and the plans shall be submitted to the CPUC for final review and approval prior to start of construction. Where applicable, overlap with the HWT and PG&E Wildfire Mitigation Plans prepared pursuant to California Public Utilities Code Section 8386 shall be highlighted in the fire prevention and management plan. Specifically, the plans will include, at a minimum, the following:</p>
4.9-32	<p>Mitigation Measure HAZ-1. Prepare and Implement a Fire Prevention and Management Plan.</p> <p>Design and Operation Considerations to Minimize Fire Hazard Development and implementation of protocols for de-energizing the substation and/or transmission line components in the event of a wildfire; and</p>	<p>At a system level, PG&E's grid control center manages coordination of transmission line and substation clearances/outages during wildfire events, including coordination with CDF and other fire agencies. As such, this portion of the measure should be removed.</p> <p>Revise text as follows:</p> <p>Development and implementation of protocols for de-energizing the substation and/or transmission line components in the event of a wildfire; and</p>
4.9-32	<p>Mitigation Measure HAZ-1. Prepare and Implement a Fire Prevention and Management Plan.</p> <p>Design and Operation Considerations to Minimize Fire Hazard Inclusion of any needed water storage facilities on-site at the substation accessible to firefighters.</p>	<p>PG&E does not have access to a water source. This portion of the measure is not feasible and should be removed.</p> <p>Revise text as follows:</p> <p>Inclusion of any needed water storage facilities on-site at the substation accessible to firefighters.</p>
Hydrology and Water Quality		
4.10-30	<p>Mitigation Measure HYD/WQ-1. Implement Construction Best Management Practices for Erosion Control.</p> <p>For ground-disturbing construction activities that do not require coverage under the Construction General Permit (e.g., total ground disturbance associated with that action does not exceed 1 acre), HWT, PG&E, and/or their contractors shall implement the following measures during construction of the alternative components, or shall implement alternative measures that are equally or more effective:</p> <ul style="list-style-type: none"> • Implement practices to reduce erosion of exposed soil and stockpiles, including watering for dust control, establishing perimeter silt fences, and/or placing fiber rolls. • Minimize soil disturbance areas. • Implement practices to maintain water quality, including silt fences, stabilized construction entrances, and storm-drain inlet protection. • Where feasible, limit construction to dry periods. • Revegetate disturbed areas. 	<p>The PTCs sought by the Applicants do not include authorization to construct the reasonably foreseeable distribution components. The mitigation measures will apply to the project components Applicants are authorized to construct under the PTCs. However, because the Applicants are not seeking authority to construct the reasonably foreseeable distribution components under the PTCs, mitigation measures imposed under the PTCs should not apply to the reasonably foreseeable distribution components.</p> <p>Revise text as follows:</p> <p>For ground-disturbing construction activities that do not require coverage under the Construction General Permit (e.g., total ground disturbance associated with that action does not exceed 1 acre), HWT, PG&E, and/or their contractors shall implement the following measures during construction of the alternative components, or shall implement alternative measures that are equally or more effective:</p> <ul style="list-style-type: none"> • Implement practices to reduce erosion of exposed soil and stockpiles, including watering for dust control, establishing perimeter silt fences, and/or placing fiber rolls. • Minimize soil disturbance areas. • Implement practices to maintain water quality, including silt fences, stabilized construction entrances, and storm-drain inlet protection. • Where feasible, limit construction to dry periods. • Revegetate disturbed areas.
Noise		
4.13-18	<p>Mitigation Measure NOI-1: General Construction Noise.</p>	<p>The DEIR on page 4.13-18 states that "ground-level construction noise from the Proposed Project would not be significant given: (1) the limited number of noise-sensitive receptors in proximity to much of the Proposed Project; (2) the relatively rapid attenuation of even the loudest pieces of construction equipment with distance from the source, and (3) the impacts would be temporary and occur over a relatively short duration at individual structure locations or segments of the 70 kV power line alignment (as opposed to work occurring along the entire alignment simultaneously)."</p> <p>However, the DEIR states that Mitigation Measure NOI-1 is applicable to all construction activities. What is the basis for requiring this mitigation measure for ground level construction noise when the DEIR concluded less than significant impacts?</p>
4.13-19	<p>Mitigation Measure NOI-1: General Construction Noise.</p> <p>Nighttime work between the hours of 10:00 pm and 7:00 am shall not occur, except when electrical clearances are available or when safe completion of a construction procedure is needed.</p>	<p>Nighttime work between the hours of 10:00 pm and 7:00 am shall not occur, except when electrical clearances are not available during daytime hours or when safe completion of a construction procedure is needed.</p>

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4.13-20	<p>Mitigation Measure NOI- 2: Minimize Noise Impacts from Helicopters.</p> <p>HWT and PG&E shall implement the following procedures for helicopter activities:</p> <ul style="list-style-type: none"> Public Notice. Residences and places of worship (e.g., The Cove) within 1450 feet from any location where helicopter activities may occur, including flight paths if applicable, shall be provided written notice at least 30 days prior to beginning helicopter activities to inform them of the schedule for helicopter use and potential noise disruptions. Methods for receptors to reduce noise in structures shall be included in the notice (i.e., closing doors and windows facing the alignment). The notice shall describe procedures for submitting any noise complaints during construction and provide a phone number for submitting such complaints, as required by MM NOI-1. Helicopter Hovering. Light/medium lift helicopters shall not operate closer than 1,450 feet from any receptors unless actively working at pole locations along the alignment. Helicopters may operate closer than these distances if all affected receptors agree in writing to a shorter distance. Prior to reducing the minimum distance from receptors, PG&E shall provide the CPUC with the names, contact information, and written agreements for all affected persons within the applicable distances. The written agreements shall clearly identify the anticipated helicopter noise levels, daily schedule, and duration of helicopter activities in the vicinity. Helicopter Landing Zones. Helicopter landing zones shall not be positioned closer than 1,450 feet from any receptor. Helicopters may land closer than these distances if all affected receptors agree in writing to allow a shorter distance. 	<p>As described in the comment letter, the FTA Transit Noise and Vibration Impact Assessment Manual, which contains guidelines for the evaluation of the significance of construction noise impacts, is for transit projects and should not be used to determine significance of the proposed utility project. The Proposed Project would comply with local noise ordinances; therefore, impacts will be less than significant and mitigation is not necessary. However, if MM NOI-1 is included, it should be modified since securing written permission from sensitive receptors is not feasible. In addition, light/medium lift helicopters will not exceed the FTA threshold of 90 dBA Leq(1hr), so MM NOI-1 should only apply to heavy lift helicopter operation.</p> <p>Revise text as follows:</p> <p>HWT and PG&E shall implement the following procedures for helicopter activities:</p> <ul style="list-style-type: none"> Public Notice. Residences and places of worship (e.g., The Cove) within 1450 200 feet from any location where light/medium lift heavy lift helicopter activities may occur (limited to up to 10 pole replacements on the Reconductoring Segment), including flight paths if applicable, shall be provided written notice at least 30 14 days prior to beginning helicopter activities to inform them of the schedule for helicopter use and potential noise disruptions. Methods for receptors to reduce noise in structures shall be included in the notice (i.e., closing doors and windows facing the alignment). The notice shall describe procedures for submitting any noise complaints during construction and provide a phone number for submitting such complaints, as required by MM NOI-1. Helicopter Hovering. Light/medium Heavy lift helicopters shall not operate closer than 200 feet from any receptors unless actively working at pole locations along the alignment. Helicopters may operate closer than these distances if all affected receptors agree are notified in writing to a shorter distance. Prior to reducing the minimum distance from receptors, upon request, PG&E shall provide the CPUC with the names, and contact information, and written agreements for all affected persons notified within the applicable distances. The written agreements shall clearly identify the anticipated helicopter noise levels, daily schedule, and duration of helicopter activities in the vicinity. Helicopter Landing Zones. Helicopter landing zones within staging areas shall be positioned as far as possible from receptors. Helicopter landing zones shall not be positioned closer than 1,450 200 feet from any receptor. Helicopters may land closer than these distances if all affected receptors agree in writing to allow a shorter distance are notified.
4.13-31	Once constructed, the underground power line segment would not generate any noise. Likewise, the transition stations at either end of the underground power line segment would not include transformers, HVAC units, or other equipment that would generate substantial noise.	The transition stations would each require a small HVAC to keep the controls and relays cool.
Population and Housing		
4.14-3	At the peak of construction of the respective components, it is estimated that construction of the Estrella Substation would require 12 to 15 workers per day, while construction of the 70 kV power line would require 30 workers per day.	<p>Revise text as follows:</p> <p>At the peak of construction of the respective components, it is estimated that construction of the Estrella Substation would require 12 10 to 15 workers per day, while construction of the 70 kV power line would require 30 workers per day.</p>
Public Services		
4.15-12	However, the northern new distribution line segment would be installed within the SR 46 median, which could result in temporary impacts to this highway.	<p>Revise text as follows:</p> <p>However, the northern new distribution line segment would be installed within the along one side of SR 46 on private property median, which could result in temporary impacts to this highway.</p>
4.15-16	As described in Chapter 3, <i>Alternatives Description</i> , construction of Alternative PLR-3 (both Options 1 and 2) would require extended single lane closures on the roadways included in the alternative alignments (i.e., Germaine Way, Wisteria Lane, Golden Hill Road, Cava Robles RV Resort driveway, and Circle B HOA road).	<p>Revise text as follows:</p> <p>As described in Chapter 3, <i>Alternatives Description</i>, construction of Alternative PLR-3 (both Options 1 and 2) would require extended single lane closures on the roadways included in the alternative alignments (i.e., Germaine Way, Wisteria Lane, Golden Hill Road, Cava Robles RV Resort driveway, and Circle B HOA road). The extended single lane closures would adversely affect emergency vehicle access and access to the Cava Robles RV Park.</p>
Transportation		
4.17-4	Alternatives PLR-1A and PLR-C propose improvements in the vicinity of an unsignalized four-way intersection of US 101 with Wellsona Road.	<p>Revise text as follows:</p> <p>Alternatives PLR-1A and PLR-C propose improvements in the vicinity of an unsignalized four-way intersection of US 101 North River Road with Wellsona Road.</p>
4.17-4	The northern reasonably foreseeable distribution new line segment would be installed within the SR 46 right of way adjacent to and northeast of Hunter Ranch Golf Course. The 70 kV power line under Alternative PLR-1A would cross SR 46 near the intersection with Branch Road	<p>Revise text as follows:</p> <p>The northern reasonably foreseeable distribution new line segment would be installed within the along one side of the SR 46 right of way adjacent to and northeast of Hunter Ranch Golf Course. The 70 kV power line under Alternative PLR-1A would cross SR 46 near the intersection with Branch Road</p>
4.17-22	The work within Estrella Substation for the reasonably foreseeable distribution components would have no potential to directly impact public roadways. Likewise, the southern reasonably foreseeable new distribution line segment would be installed largely along an existing private road within agricultural fields north of the Estrella Substation and would not impact the circulation system. However, the northern reasonably foreseeable new distribution line segment would be installed within the SR 46 right-of-way and the additional 21/12 kV pad-mounted transformers would be installed along existing public roadways; thus, these activities would have potential to disrupt traffic and alternative transportation modes	<p>Revise text as follows:</p> <p>The work within Estrella Substation for the reasonably foreseeable distribution components would have no potential to directly impact public roadways. Likewise, the southern reasonably foreseeable new distribution line segment would be installed largely along an existing private road within agricultural fields north of the Estrella Substation and would not impact the circulation system. However, the northern reasonably foreseeable new distribution line segment would be installed within the along one side of the SR 46 right-of-way and the additional 21/12 kV pad-mounted transformers would be installed along existing public roadways; thus, these activities would have potential to disrupt traffic and alternative transportation modes</p>
Tribal Cultural Resources		

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4-18.7	As described in Section 4.5, "Cultural Resources," a pedestrian archaeological survey (NEET West and PG&E 2017a) identified three previously unrecorded resources, one of which was a prehistoric lithic scatter (Site 36052-S-003) on the edge of a bluff near the Salinas River and the Proposed Project's new 70 kV power line segment. For purposes of this analysis, this site is considered potentially CRHR-eligible, and thus is also considered to be a TCR, although none of the tribes contacted by the Applicants or the CPUC through the AB 52 process commented on this site. The pedestrian archaeological survey also identified a number of isolated prehistoric archaeological items, which are not CRHR-eligible, but attest to the widespread use of the Proposed Project area by ancient peoples. In particular, Dry Creek is known to have been used as a transportation corridor by Native Americans and the areas surrounding the Estrella and Salinas Rivers are considered sensitive for cultural resources.	As per PRD Section 21074, the tribes must ascribe importance to a site for it to be TCR. As written, this reads as if the tribe is being told what they consider important, rather than them telling us what they consider important, which seems to violate the spirit of AB53. Revise text as follows: As described in Section 4.5, "Cultural Resources," a pedestrian archaeological survey (NEET West and PG&E 2017a) identified three previously unrecorded resources, one of which was a prehistoric lithic scatter (Site 36052-S-003) on the edge of a bluff near the Salinas River and the Proposed Project's new 70 kV power line segment. While none of the consulted tribes identified this site as a TCR, it is possible that they may do so in the future, and as such, the resource will be treated with appropriate respect and avoided. For purposes of this analysis, this site is considered potentially CRHR-eligible, and thus is also considered to be a TCR, although none of the tribes contacted by the Applicants or the CPUC through the AB 52 process commented on this site. The pedestrian archaeological survey also identified a number of isolated prehistoric archaeological items, which are not CRHR-eligible, but attest to the widespread use of the Proposed Project area by ancient peoples. In particular, Dry Creek is known to have been used as a transportation corridor by Native Americans and the areas surrounding the Estrella and Salinas Rivers are considered sensitive for cultural resources.
4-18.7	Apart from the general information regarding sensitivity of certain areas for cultural resources, none of the tribes contacted by the CPUC identified known TCRs in the Proposed Project area. As such, it is unlikely that there are any significant above-ground known sites, features, places, or cultural landscapes, other than the prehistoric lithic scatter discussed above, that would be considered TCRs that could be impacted by the Proposed Project.	Revise text as follows: Apart from the general information regarding sensitivity of certain areas for cultural resources, none of the tribes contacted by the CPUC identified known TCRs in the Proposed Project area. As such, it is unlikely that there are any significant above-ground known sites, features, places, or cultural landscapes, other than the prehistoric lithic scatter discussed above , that would be considered TCRs that could be impacted by the Proposed Project. .
4-18-7	However, archaeological deposits may be buried and exposed during Proposed Project construction (in particular, during deep excavations for installation of pole foundations).	This statement appears to contradict the buried site sensitivity analysis in Chapter 4.4, which found that deeper deposits generally preceded human occupation of the project area. This statement is also inconsistent with the TCR-1 measure, as it calls for monitoring to six feet in depth, but not deeper. The monitoring mitigation measures provided by the CPUC make sense for archeology, and PG&E does not object to them, but the rationale provided here and in Chapter 4.5 need to be consistent with the buried sensitivity analysis provided in Chapter 4.5. Revise text as follows: However, archaeological deposits may be buried and exposed during Proposed Project construction (in particular, during deep excavations for installation of pole foundations)
4-18.7	APM CUL-5 would require that a tribal monitor is present for initial ground-disturbing activities in culturally sensitive areas, which would reduce potential for impacts to TCRs.	Revise text as follows: APM CUL-5 would require that a tribal monitor is present for initial ground-disturbing activities in culturally sensitive areas, which would allow for the identification of potential TCRs and therefore reduce potential for impacts to TCRs.
4-18.7	Additionally, APM GEN-1 would be implemented to ensure that construction workers are aware of the types of archaeological materials that could be encountered in situations when the tribal monitor may not be present (e.g., ground-disturbing activities away from sensitive locations) and the proper protocols to follow for discoveries.	While true, this statement conflates TCRs with archeological sites.
4.18-9	Mitigation Measure TCR-1: Tribal Monitoring and Treatment of Tribal Cultural Resources. Monitoring of ground disturbance would also occur in the vicinity of Santa Ysabel Ranch, which was identified as culturally sensitive by the tribe.	Please confirm if defined as culturally sensitive, which may indicate a broad range of things, or archaeologically sensitive, which is much narrower. Knowing which was called for by the tribe would assist PG&E in knowing the types of resources that may be encountered and how to avoid them.
4.18-9	Mitigation Measure TCR-1: Tribal Monitoring and Treatment of Tribal Cultural Resources. All TCRs unearthed by project activities shall be evaluated by the Applicants' qualified cultural resources principal investigator and the tribal monitor or other tribal representative identified by the Xolon-Salinan Tribe. If the TCR cannot be avoided, a detailed archaeological treatment plan shall be developed and implemented by the Applicants' cultural resources principal investigator. The CPUC shall ensure that the treatment plan shall developed with input from and agreed upon by the Xolon-Salinan Tribe per Mitigation Measure CR-1. The Xolon-Salinan Tribe will determine the disposition of any TCRs artifacts discovered during construction or artifacts resulting from execution of a treatment plan, such as, but not limited to, reburial in close proximity of the finds without scientific study, allowing scientific study before reburial of the materials either near the origin of the find or in another protected place, or curation at a facility at an institution that meets the U.S. Secretary of the Interiors criteria for curation (36 CFR 79).	This assumes that any TCRs identified will be archaeological in nature. If the tribe stated that they anticipated archaeological remains to be the only types of TCRs identified, then this is fine. However, if they did not specify that TCRs in this area would be archaeological, then this will be insufficient.
Utilities and Service Systems		
4.19-5	PG&E provides electrical power to San Luis Obispo County, including the city of Paso Robles. PG&E generates electricity from the following sources: (1) PG&E-owned generators; (2) non-PG&E-owned generators within California; and (3) out-of-state generators.	Revise text as follows: PG&E provides electrical power to San Luis Obispo County, including the city of Paso Robles. PG&E generates <u>provides</u> electricity from the following sources: (1) PG&E-owned generators; (2) non-PG&E-owned generators within California; and (3) out-of-state generators.
4.19-16	Construction of the FTM BESSs under Alternative BS-2 would likely generate reduced quantities of solid waste compared to the proposed Estrella Substation. Although sizes of FTM BESSs are unknown and would depend on future load conditions, FTM BESSs would likely be smaller than the substation and involve less excavation and vegetation clearing.	Construction of the FTM BESSs under Alternative BS-2 would likely generate reduced quantities of solid waste compared to the reasonably foreseeable distribution components proposed Estrella Substation. Although sizes of FTM BESSs are unknown and would depend on future load conditions, FTM BESSs would likely be smaller than the substation and involve less excavation and vegetation clearing.
4.20-21	No new roads, fire breaks, or related additional infrastructure would need to be installed or maintained as a result of Alternative BS-2.	This is incorrect. Depending on the sites selected, access roads may need to be constructed and maintained throughout the operation of the FTM facilities.
Chapter 6 – other statutory considerations and cumulative impacts		
6-13	Other alternatives, as well as the reasonably foreseeable distribution components, would have adverse aesthetic effects (related to the addition of utility infrastructure), although these effects would be less than significant on their own.	This statement conflicts with the findings from the Aesthetics analysis. As described therein, the DEIR found significant impacts for SS-1, PLR-1A, and PLR-1C. Mitigation was identified to reduce impacts to less than significant. As such, these alternatives were not less than significant on their own. Revise as follows: Other alternatives, as well as the reasonably foreseeable distribution components, would have adverse aesthetic effects (related to the addition of utility infrastructure), although these effects would be less than significant or less-than-significant with mitigation on their own.

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6-16	Other alternatives and the reasonably foreseeable distribution components would generate noise, but this would be less than significant on the project level.	Alternative SE-1A was determined in the Noise analysis to have significant impacts. Mitigation was identified to reduce impacts to less than significant levels. Revise text as follows: Other alternatives and the reasonably foreseeable distribution components would generate noise, but this would be less than significant with mitigation on the project level.
Appendix F – Mitigation Monitoring and Reporting Plan		
F-6	These monitors shall provide daily reports/surveys that are entered into a field record environmental database employed by HWT and PG&E.	We have provided weekly reports to the CPUC in the past, but not recorded in an environmental database. If a database is used, PG&E and HWT will have separate databases. Revise as follows: These monitors shall provide daily reports/surveys that are entered into a field record environmental database employed by HWT and PG&E.
F-11	Mitigation Measure AES-1. Use Landscaping, Design and Architectural Elements to Complement the Surrounding Visual Landscape. Incorporate drought- and fire-resistant native shrubs within the hardscape landscaping proposed in APM AES-1 between Union Road and the Estrella Substation. For alternative substation sites, incorporate drought- and fire-resistant shrubs between the adjacent roadway and the substation. Coordinate with CAL FIRE / County Fire Department to ensure that any shrubs used in landscaping adjacent to the substation do not substantially increase fire risk.	Revise text as follows: Incorporate drought- and fire-resistant native shrubs within the hardscape landscaping proposed in APM AES-1 between Union Road and the Estrella Substation in accordance with the standards provided in PG&E's Wildfire Safety Inspection Program and Cal Fire's defensible space guidelines. For alternative substation sites, incorporate drought- and fire-resistant shrubs between the adjacent roadway and the substation. Coordinate with CAL FIRE / County Fire Department to ensure that any shrubs used in landscaping adjacent to the substation do not substantially increase fire risk.
F-11	Mitigation Measure AES-1. Use Landscaping, Design and Architectural Elements to Complement the Surrounding Visual Landscape. At the substation, incorporate chain link fence slats using natural colors that are compatible with the surrounding area (i.e., green, light brown) in order to minimize visual contrast	In accordance with PG&E's standards, the 70 kV substation would include a heavy duty, tightly woven anti-climb mesh fabric with 0.5-inch diamonds installed on a chain-link fence to prevent toe hold climbing. Slats are not made that small; therefore, slats would not be compatible. The slats are also an issue due to fire hazard. PG&E has been removing slatted fences in some areas. The mesh fabric comes in galvanized grey that would blend in with the existing and proposed structures in the area. While you can see through the mesh when you look at the fence straight on, when you are at an angle to the fence all you see is the fabric and not the equipment behind it due to the tightness of the mesh. Remove this requirement in the mitigation measure. Revise text as follows: At the substation (where practicable), incorporate chain link fence slats using natural colors that are compatible with the surrounding area (i.e., green, light brown, gray) in order to minimize visual contrast
F-11	Mitigation Measure AES-1. Use Landscaping, Design and Architectural Elements to Complement the Surrounding Visual Landscape. For all Proposed Project and alternative components, use materials and paint colors that are compatible with the surrounding area (i.e., dull grey, light brown, or green colors) in order to minimize visual contrast. Avoid the use of large expanses of reflective glazing, aluminum panels, and other materials not normally found in the environment. Use a dulled finish on power line and transmission structures.	Tubular steel poles and light duty steel poles are ordered with a dulled finish. Lattice steel towers that have a dulled finished need to be pre-ordered 6 months ahead of time and are priced at a premium. As such, PG&E's preference is to not have to purchase these special ordered structures. The conventional structures would dull over time. Power line conductors will be specular to make the power line more noticeable in appearance against the background landscape, and therefore more visible to small aircraft pilots that fly over the area. Specular conductor transitions to non-specular (i.e., becomes less shiny) in the course of a few seasons after installation. PG&E's standard design is to use galvanized structures and tubing in the substation to reduce corrosion, extend life, and maintain proper grounding. Revise text as follows: For all Proposed Project and alternative components (not including the power line conductors, lattice steel towers, or substation structures), use materials and paint colors that are compatible with the surrounding area (i.e., dull grey, light brown, or green colors) in order to minimize visual contrast. Avoid the use of large expanses of reflective glazing, aluminum panels, and other materials not normally found in the environment. Use a dulled finish on power line and transmission structures.
F-12	Mitigation Measure AES-1. AES-1. Use Landscaping, Design and Architectural Elements to Complement the Surrounding Visual Landscape. With respect to power line and transmission structures, balance the need to minimize visual contrast with ensuring that structures are visible to aircraft pilots and birds.	Mitigation Measure AES-1 also requires that all components be dulled. This requirement conflicts with this portion of the measure regarding balancing the need to minimize visual contrast with visibility. Given that certain components will not be dulled (as noted above), PG&E recommends removing this portion of the measure. Revise text as follows: With respect to power line and transmission structures, balance the need to minimize visual contrast with ensuring that structures are visible to aircraft pilots and birds.

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F-13	<p>Mitigation Measure AG-1: Provide Compensation for Loss of Agricultural Land.</p> <p>HWT and PG&E, prior to the completion of Proposed Project or alternative construction, shall contribute sufficient funds (i.e., adequate to support the conservation ratio described below) to the California Farmland Conservancy Program to compensate for the loss of Farmland of Statewide Importance and Unique Farmland that would occur from the Proposed Project or alternatives. The California Farmland Conservancy Program is established under PRC Sections 10200-10277 to promote the long-term preservation of agricultural lands in California through the use of agricultural conservation easements. The amount of HWT's and PG&E's contribution shall ensure the conservation of one acre of agricultural land in San Luis Obispo County for each acre of agricultural land converted by the Proposed Project or alternatives, based on the market price for the commensurate agricultural land at the time that the impacts occur.</p>	<p>Revise text as follows:</p> <p>HWT and PG&E, prior to the completion of Proposed Project or alternative construction, shall <u>finalize and effectuate any combination of the following as long as the total acreage in the aggregate equals the amount required by the conservation ratio specified below: either (1) contribute sufficient funds, in an amount equal to the fair market value (determined as of the date construction commenced) of each acre for which the contribution is made, (i.e., adequate to support the conservation ratio described below) to the California Farmland Conservancy Program to compensate for the loss of Farmland of Statewide Importance and Unique Farmland that would occur from the Proposed Project or alternatives, or to another public agency or non-profit organization able to achieve long-term preservation of agricultural lands in San Luis Obispo County; and/or (2) enter into and record one or more conservation easements with landowners for specific farmland in San Luis Obispo County.</u> The California Farmland Conservancy Program is established under PRC Sections 10200-10277 to promote the long-term preservation of agricultural lands in California through the use of agricultural conservation easements <u>and is one potential recipient of any contribution in clause (1) above.</u> The <u>acreage for which amount of HWT's and PG&E's contributions are made in clause (1) above, together with any acreage preserved through recorded conservation easements in clause (2) above, shall equal a minimum total ensure the conservation</u> of one acre of agricultural land in San Luis Obispo County for each acre of agricultural land converted by <u>their respective components associated with the</u> Proposed Project or alternatives, based on the market price for the commensurate agricultural land at the time that the impacts occur.</p>
F-14	<p>Mitigation Measure AG-2: Restore Agricultural Land Temporarily Impacted by Construction Activities.</p> <p>HWT or PG&E shall ensure that agricultural land temporarily impacted by construction activities is adequately restored following completion of construction to pre-project conditions. These include areas impacted from establishment of temporary staging and storage areas, installation of the underground fiber optic cable link, installation of the 230 kV interconnection structures, preparation and temporary use of pull sites and crossing guard structures, and preparation and use of helicopter landing zones. Restoration of sites will involve removing any rock or material imported to stabilize the site, replacement of topsoil, de-compacting any soil that has been compacted by heavy equipment, and re-planting of agricultural crops. The responsibility of performing these various tasks may be stipulated in an agreement between HWT or PG&E, and the landowner(s) completed for the Proposed Project or alternatives. If a landowner is better equipped or prefers to replant crops or perform other tasks themselves, then HWT and PG&E shall provide just compensation for this work.</p>	<p>Revise text as follows:</p> <p>HWT or PG&E shall ensure that agricultural land temporarily impacted by construction activities <u>associated with their respective components</u> is adequately restored following completion of construction to pre-project conditions. These include areas impacted from establishment of temporary staging and storage areas, installation of the underground fiber optic cable link, installation of the 230 kV interconnection structures, preparation and temporary use of pull sites and crossing guard structures, and preparation and use of helicopter landing zones. Restoration of sites will involve removing any rock or material imported to stabilize the site, replacement of topsoil, de-compacting any soil that has been compacted by heavy equipment, and re-planting of agricultural crops <u>unless the property owner requests that the material remain for their use.</u> The responsibility of performing these various tasks may be stipulated in an agreement between HWT or PG&E, and the landowner(s) completed for the Proposed Project or alternatives. If a landowner is better equipped or prefers to replant crops or perform other tasks themselves, then HWT <u>and/or</u> PG&E shall provide just compensation for this work.</p>
F-14	<p>Mitigation Measure AG-2: Restore Agricultural Land Temporarily Impacted by Construction Activities.</p> <p>1. Confirm the measure is incorporated into the project contract documents. (CPUC)</p>	<p>In numerous APMs and mitigation measures in the MMRP, the following monitoring and reporting action is required: "Confirm that this measure is included in contract documents. (CPUC)" The CPUC is directed to confirm implementation of this requirement "During the preparation of plans and specifications." So far as the PG&E team is aware, this condition has never been imposed in an MMRP prepared by the CPUC. The condition is not needed to ensure that APMs and mitigation measures are implemented. PG&E is obligated to comply with all APMs and mitigation measures, and it is liable to the CPUC for any non-compliance with these measures that may result from the acts or omissions of its contractors. The language CPUC proposed is problematic because it inserts the CPUC into the contractual relationship between PG&E and its contractors.</p> <p>PG&E proposes that the text be revised as follows:</p> <p>"Confirm that this measure is included in contract documents. (CPUC) <u>Provide documentation that contractors have received a copy of this measure. (PG&E / HWT)"</u></p>
F-17	<p>Mitigation Measure AQ-1. Prepare a Construction Activity Management Plan for Approval by SLOCAPCD.</p> <p>HWT, PG&E, or their contractor(s) shall implement the following measures:</p> <p>Prepare a Construction Activity Management Plan (CAMP) that contains at a minimum the following SLOCAPCD standard mitigation measures, BACT measures and diesel idling restrictions that are not already in the APMs. The CAMP shall be submitted to the air pollution control district (APCD) for review and approval prior to the start of construction and shall include, but not be limited to, the following elements:</p> <ol style="list-style-type: none"> 1. A Dust Control Management Plan that encompasses all, but is not limited to, dust control measures that were listed above in the "dust control measures" section; 2. Tabulation of on and off-road construction equipment (age, horse-power and miles and/or hours of operation). Use of diesel construction equipment meeting ARB's Tier 3 and Tier 4 off-road and 2010 on-road compliant engines; Repowering equipment with the cleanest engines available; At a minimum the off-road equipment fleet shall meet the CARB off-road emissions average for that calendar year. 3. Scheduling of construction truck trips during non-peak hours to reduce peak hour emissions 	<p>The CAMP submitted to the SLOCAPCD will meet all of their requirements, which are subject to change. To avoid confusion and unnecessary overlap, we will follow the guidance for development of the CAMP, with regard to dust control, construction equipment requirement, scheduling, hours of operation, length of work periods, and any other requirements.</p> <p>Revise text as follows</p> <p>HWT, PG&E, or their contractor(s) shall implement the following measures:</p> <p>Prepare a Construction Activity Management Plan (CAMP) that contains <u>at a minimum</u> the following SLOCAPCD standard mitigation measures, BACT measures and diesel idling restrictions that are not already in the APMs. The CAMP shall be submitted to the air pollution control district (APCD) for review and approval prior to the start of construction. and shall include, but not be limited to, the following elements:</p> <ol style="list-style-type: none"> 1. A Dust Control Management Plan that encompasses all, but is not limited to, dust control measures that were listed above in the "dust control measures" section; 2. Tabulation of on and off-road construction equipment (age, horse-power and miles and/or hours of operation). Use of diesel construction equipment meeting ARB's Tier 3 and Tier 4 off-road and 2010 on-road compliant engines; Repowering equipment with the cleanest engines available; At a minimum the off-road equipment fleet shall meet the CARB off-road emissions average for that calendar year. 3. Scheduling of construction truck trips during non-peak hours to reduce peak hour emissions
F-17	<p>Mitigation Measure AQ-1: Prepare a Construction Activity Management Plan for Approval by SLOCAPCD.</p> <p>3. Scheduling of construction truck trips during non-peak hours to reduce peak hour emissions</p>	<p>Clarify the meaning of non-peak hour and revise text as follows:</p> <p>3. Scheduling of construction truck trips during non-peak hours to reduce peak hour emissions, <u>when possible.</u></p>
F-18	<p>APM BIO-1: Design Project to Avoid or Minimize Impacts on Known Occurrences of Conduct Pre-Construction Survey(s) for Special-Status Plants Species and Sensitive Resource Areas</p>	<p>Revise text as follows:</p> <p>APM BIO-1. Design Project to Avoid or Minimize Impacts on Known Occurrences of Conduct Pre-Construction Survey(s) for Special-Status Plants Species and Sensitive Resource Areas <u>Conduct Pre-Construction Survey(s) for Special-Status Species and Sensitive Resource Areas</u></p>

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F-21	APM BIO-3 - Monitoring and Reporting Action (Responsible Party) 2. Confirm that biologists monitor initial ground- disturbing activities in and adjacent to sensitive habitat areas. (CPUC)	Revise text as follows: 2. Confirm that biologists monitor initial ground- disturbing activities in and adjacent to sensitive habitat areas and implement the measures in accordance with this APM. (CPUC)
F-22	APM BIO-4 - Monitoring and Reporting Action (Responsible Party) 2. Confirm that trenches/excavations have a sloped escape ramp or are covered at the end of each day. (Project Proponents)	Revise text as follows: 2. Confirm that trenches/excavations have a sloped escape ramp or are covered at the end of each day. (Project proponents CPUC)
F-22	APM BIO-4 - Monitoring and Reporting Action (Responsible Party) 3. Confirm that trenches and excavations are inspected for wildlife at the beginning of the workday and prior to backfilling. (Project proponents)	Revise text as follows 3. Confirm that trenches and excavations are inspected for wildlife at the beginning of the workday and prior to backfilling. (Project proponentsCPUC)
F-23	Mitigation Measure BIO-1. Actions to Further Avoid and Minimize Impacts to Special-Status. Special-Status Plants: Pre-construction surveys required under APM BIO-1 shall be conducted of all proposed work, plus a 100-foot buffer, within 1 year before commencement of ground-disturbing activities according to the <i>Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities</i> (CDFW 2018 or current version). Floristic surveys shall be performed during the appropriate bloom period(s) for each species. HWT/PG&E or their contractor(s) shall work with the CDFW-approved qualified botanist to identify plants	Revise as follows: Special-Status Plants: Pre-construction surveys required under APM BIO-1 shall be conducted of all proposed work, plus a 100-foot buffer, within 1 year before commencement of ground-disturbing activities according to the Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities Floristic surveys shall be performed during the appropriate bloom period(s) for each species. HWT/PG&E or their contractor(s) shall work with the CDFW CPUC -approved qualified botanist to identify plants
F-24	Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species. Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: HWT/PG&E shall retain a CPUC-, USFWS-, and CDFW-approved biologist(s) to conduct pre-construction surveys for special-status plants and wildlife prior to initial vegetation clearance, grubbing, and ground-disturbing activities.	Revise text as follows: Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: HWT/PG&E shall retain a CPUC-, USFWS-, and CDFW -approved biologist(s) to conduct pre-construction surveys for special-status plants and wildlife prior to initial vegetation clearance, grubbing, and ground-disturbing activities.
F-25	Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species. Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: The pre-construction survey report shall be submitted to the CPUC for review and approval prior to the start of construction. The pre-construction surveys shall be conducted no earlier than 30 days prior to surface disturbance. The results of the pre-construction surveys shall be documented by the approved biologist in a pre-construction survey report. The pre-construction survey report shall be submitted to the CPUC for review and approval prior to the start of construction, and the results shall be submitted to USFWS and CDFW as required by any regulatory permits or approvals. The pre- construction study report shall include the following:	Revise text as follows: The pre-construction survey report shall be submitted to the CPUC for review and approval prior to the start of construction The pre-construction surveys shall be conducted no earlier than 30 days prior to surface disturbance within the work areas. The results of the pre-construction surveys shall be documented by the approved biologist in a pre-construction survey report. The pre-construction survey report shall be submitted to the CPUC for review and approval prior to the start of construction, and the results shall be submitted to USFWS and CDFW as required by any regulatory permits or approvals. The pre- construction study report shall include the following:
F-25	Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species. Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: Sensitive habitat areas, plus a minimum 5-foot buffer for wetlands and waters of the U.S., that will be avoided by construction shall be fenced with orange safety fencing. Biological monitoring required by APM BIO-3 is extended to be necessary when each portion of previously undisturbed ground is disturbed, based on special- status species' requirements and the profession opinion of the qualified biological monitor; however, work near wetlands and waters of the U.S. will be monitored by a biological monitor over its duration.	Revise text as follows: Sensitive habitat areas, plus a minimum 5-foot buffer for wetlands and waters of the U.S., that will be avoided by construction shall be fenced with orange safety fencing. Biological monitoring required by APM BIO-3 is extended to be necessary when each portion of previously undisturbed ground is disturbed, based on special- status species' requirements and the profession opinion of the qualified biological monitor; however, work near within 50 feet of wetlands and waters of the U.S. will be monitored by a biological monitor over its duration.
F-25	Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species. Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: In order to ensure that habitats are not adversely affected, the USFWS- and CDFW-approved biologist shall flag boundaries of habitat,	Revise text as follows: In order to ensure that habitats are not adversely affected, the USFWS- and CDFWCPUC -approved biologist shall flag boundaries of habitat,
F-26	Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species. Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: The USFWS- and CDFW-approved biologist shall be contacted to perform a pre-activity survey when vegetation trimming is planned in sensitive habitats	Revise text as follows: The USFWS- and CDFWCPUC -approved biologist shall be contacted to perform a pre-activity survey when vegetation trimming is planned in sensitive habitats
F-27	Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species. Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: Gravel bags shall be placed along the bottom of the fence to minimize erosion or sedimentation into nearby wetlands and/or waters of the U.S., and removed upon completion of construction. Any project related work scheduled to occur within the exclusion/buffer zone of the wetland shall be conducted when the wetland is dry as determined by the approved biological monitor. Best management practices (BMPs) referred to in APM BIO-3 indicate stormwater and water quality projection BMPs.	Gravel bags and other sediment controls will be requirements of the SWPPP and should not be included as mitigation. Revise text as follows: Pg.-29 Gravel bags shall be placed along the bottom of the fence to minimize erosion or sedimentation into nearby wetlands and/or waters of the U.S., and removed upon completion of construction. Any project related work scheduled to occur within the exclusion/buffer zone of the wetland shall be conducted when the wetland is dry as determined by the approved biological monitor. Best management practices (BMPs) referred to in APM BIO-3 indicate stormwater and water quality projection BMPs.
F-27	Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species. Biological Monitoring, Sensitive Habitat Areas, and Special-Status Species: In the event that any work will occur beyond the approved limits, it shall be reported to HWT's and PG&E's compliance teams and the CPUC.	Revise text as follows: In the event that any work will occur beyond the approved limits, it shall be reported to HWT's and PG&E's compliance teams and the CPUC.

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F-28	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Wildlife Protection from Work Areas: In addition to the requirements of APM BIO-4, HWT/PG&E shall retain a CPUC-approved biologist to inspect all steep trenches and excavations during construction twice daily (i.e., morning and evening) to monitor for wildlife entrapment. Large/steep excavations shall be covered and/or fenced nightly to prevent wildlife entrapment. Excavations shall provide an earthen ramp to allow for a wildlife escape route.</p>	<p>Revise text as follows:</p> <p>In addition to the requirements of APM BIO-4, HWT/PG&E shall retain a CPUC-approved biologist to inspect all steep trenches and excavations during construction twice daily (i.e., morning and evening) to monitor for wildlife entrapment. Large/steep excavations shall be covered and/or fenced nightly to prevent wildlife entrapment. Excavations shall provide an earthen ramp (where feasible) and, if not, wood planks or escape ramps to allow for a wildlife escape route.</p>
F-28	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Wildlife Protection from Work Areas: In addition to the requirements of APM BIO-4, HWT/PG&E shall retain a CPUC-approved biologist to inspect all steep trenches and excavations during construction twice daily (i.e., morning and evening) to monitor for wildlife entrapment. Large/steep excavations shall be covered and/or fenced nightly to prevent wildlife entrapment. Excavations shall provide an earthen ramp to allow for a wildlife escape route.</p>	<p>In addition to the requirements of APM BIO-4, HWT/PG&E shall retain a CPUC-approved biologist to inspect all uncovered and unfenced steep trenches and excavations during construction twice daily (i.e., morning and evening) to monitor for wildlife entrapment. Large/steep excavations shall be covered and/or fenced nightly to prevent wildlife entrapment. Excavations shall provide an earthen ramp to allow for a wildlife escape route.</p>
F-28	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>Nesting Birds: Activities conducted pursuant to APM BIO-2 shall consider the nesting bird season revised to be January 15 through August 31</p>	<p>Revise text as follows: Activities conducted pursuant to APM BIO-2 shall consider the nesting bird season, commencing January 15 for golden eagle and February 1 for all other birds through August 31 revised to be January 15 through August 31</p>
F-28 and F-29	<p>Mitigation Measure BIO-1: Actions to Further Avoid and Minimize Impacts to Special-Status Species.</p> <p>San Joaquin Kit Fox: If a kit fox is discovered at any time in the project area, all construction must stop and the CDFW and USFWS contacted immediately. The appropriate federal and state permits must be obtained before the project can proceed.</p>	<p>Revise text as follows:</p> <p>If a kit fox is discovered at any time in the project area, all construction in the immediate vicinity must stop, photos taken as feasible, and the CDFW and USFWS contacted immediately. The appropriate federal and state permits must be obtained before the project can proceed.</p>
F-29 and F-30	<p>Mitigation Measure BIO-2: Compensate for Impacts to Special-Status Plant Species</p> <p>If avoidance of special-status plants is not feasible, HWT and PG&E shall implement measures to compensate for impacts to special-status plants. Compensation may be provided by purchasing credits at a CDFW-approved mitigation bank (provided at a minimum 1:1 ratio [mitigation to impact]), or through transplanting perennial species and collecting and dispersing seed of annual species (i.e., salvage and relocation) under the direction of CDFW. Where salvage and relocation is demonstrated to be feasible and biologically preferred by the CDFW, it shall be conducted pursuant to a CPUC- and CDFW-approved salvage and relocation plan that details the methods for salvage, stockpiling, and replanting, as well as the characteristics of the receiver sites. Monitoring of plant populations shall be conducted annually for 5 years to assess the mitigation's effectiveness. At the end of the 5-year monitoring period, the mitigation shall have met the following success criteria:</p> <ul style="list-style-type: none"> A surveyed plant population size count roughly equal to or greater than the number of individuals transplanted (this total may include both transplanted individuals that have survived, as well as any additional supplemental plantings following the initial transplantation that have survived at least two growing seasons), and Less than 5 percent cover of invasive weeds within the restoration area. 	<p>Plant monitoring requirements would depend on the species impacted and restored and can be included in the salvage and relocation plan referenced. The 5-year monitoring requirement should be removed, as the amount of monitoring should be paired with the specific special-status plant restored.</p> <p>Revise text as follows:</p> <p>If avoidance of special-status plants is not feasible, HWT and PG&E shall implement measures to compensate for impacts to special-status plants. Compensation may be provided by purchasing credits at an CDFW-approved mitigation bank (provided at a minimum 1:1 ratio [mitigation to impact]), or through transplanting perennial species and collecting and dispersing seed of annual species (i.e., salvage and relocation) under the direction of the CPUC/CDFW. Where salvage and relocation is demonstrated to be feasible and biologically preferred by the CDFW, it shall be conducted pursuant to a CPUC- and CDFW-approved salvage and relocation plan that details the methods for salvage, stockpiling, and replanting, as well as the characteristics of the receiver sites. Monitoring of plant populations shall be conducted annually for 5 years to assess the mitigation's effectiveness. At the end of the 5-year monitoring period, the mitigation shall have met the following success criteria:</p> <ul style="list-style-type: none"> A surveyed plant population size count roughly equal to or greater than the number of individuals transplanted (this total may include both transplanted individuals that have survived, as well as any additional supplemental plantings following the initial transplantation that have survived at least two growing seasons), and Less than 5 percent cover of invasive weeds within the restoration area.
F-29 and F-30	<p>MM BIO-2. Compensate for Impacts to Special-Status Plant Species.</p> <p>Monitoring and Reporting Action (Responsible Party): 2. If salvage and relocation is selected as the compensation method, confirm annual monitoring and achievement of success criteria at the end of 5 years. (CPUC).</p>	<p>Revise text as follows:</p> <p>If salvage and relocation is selected as the compensation method, confirm annual monitoring and achievement of success criteria at the end of 5 years. (CPUC).</p>
F-30 and F-31	<p>Mitigation Measure BIO-3: Minimize Impacts to Raptors and Other Avian Life from Transmission and Power Line Facilities.</p> <p>HWT, PG&E, and/or their contractor(s) shall construct all aboveground power transmission and power lines to the APLIC's recommended publications: Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006, and Reducing Avian Collisions with Power Lines: State of the Art in 2012 (APLIC 2006, 2012). In conjunction with these publications, HWT and PG&E shall be responsible for creating an Avian Protection Plan that incorporates relevant project-specific guidelines found in APLIC's and USFWS' 2005 Avian Protection Plan Guidelines. As part of the Avian Protection Plan development, HWT and PG&E shall work with USFWS to determine the need for installation of bird diverters in areas near known golden and bald eagle nests.</p>	<p>PG&E incorporates APLIC guidance into PG&E's Avian Protection Plan and formulates standards for avian protection that are consistent with engineering requirements. PG&E should not be required to generate a separate project-specific avian protection plan to address concerns that are mitigated through its avian protection program which PG&E coordinates directly with USFWS on an annual basis.</p> <p>Revise text as follows:</p> <p>HWT, PG&E, and/or their contractor(s) shall construct all aboveground power transmission and power lines to the APLIC's recommended publications: Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006, and Reducing Avian Collisions with Power Lines: State of the Art in 2012 (APLIC 2006, 2012). In conjunction with these publications, HWT and PG&E shall be responsible for implementing the company's creating an Avian Protection Plan that incorporates relevant project-raptor -safe construction specific guidelines found in APLIC's and USFWS' 2005 Avian Protection Plan Guidelines.</p>
F-31	<p>Mitigation Measure BIO-3: Minimize Impacts to Raptors and Other Avian Life from Transmission and Power Line Facilities.</p> <p>As part of the Avian Protection Plan development, HWT and PG&E shall work with USFWS to determine the need for installation of bird diverters in areas near known golden and bald eagle nests.</p>	<p>Bird diverters may not be very helpful to prevent eagle contacts, instead careful consideration of design components should be followed under PG&E's avian protection standards to ensure that distribution lines are raptor-safe.</p> <p>Revise text as follows:</p> <p>As part of the Avian Protection Plan development, HWT and PG&E shall work with USFWS to determine the need for installation of bird diverters in areas near known golden and bald eagle nests.</p>

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F-31	<p>Mitigation Measure BIO-3: Minimize Impacts to Raptors and Other Avian Life from Transmission and Power Line Facilities.</p> <p>Operational construction or replacement work shall be avoided during the nesting bird season (January 15 to August 31) to the extent feasible.</p>	<p>Revise text as follows:</p> <p>Operational eConstruction or replacement work shall be avoided during the nesting bird season (January 15 to August 31 commencing January 15 for golden eagle and February 1 for all other birds through August 31) to the extent feasible.</p>
F-31	<p>Mitigation Measure BIO-3: Minimize Impacts to Raptors and Other Avian Life from Transmission and Power Line Facilities.</p> <p>If an active nest is found, the biologist shall establish a no-disturbance nesting buffer until the nest is inactive. If operational construction activities must occur within this buffer, the biologist shall coordinate with CDFW and, as necessary, USFWS to determine buffer reductions and/or nest monitoring to avoid impacts to active nests.</p>	<p>This statement requires coordination and approval from CDFW and/or USFWS when no-disturbance buffers are reduced. It is not appropriate or feasible for PG&E to seek approvals for buffer reductions pertaining to individual nests from CDFW or USFWS, as there is no specific mechanism (beyond CFGC or MBTA take prohibitions) for either agency to grant approvals for particular nest buffer distance reductions.</p> <p>Revise text as follows:</p> <p>If an active nest is found, the biologist shall establish a no-disturbance nesting buffer until the nest is inactive <u>in accordance with the species-specific buffers set forth in PG&E's Nesting Birds: Specific Buffers for PG&E Activities (Appendix E to the PEA) as detailed in APM BIO-2 and Mitigation Measure BIO-1.</u> If operational construction activities must occur within this buffer, the biologist shall <u>inform CPUC, coordinate with CDFW, and, as necessary, USFWS to determine of any</u> buffer reductions and/or nest monitoring to avoid impacts to active nests.</p>
F-31 and F-32	<p>Mitigation Measure BIO-4: Develop and Implement a Restoration Plan for Blue Oak Woodland Habitat.</p> <p>HWT, PG&E, and/or their contractor(s) shall develop and implement a Habitat Restoration Plan to mitigate any temporary and permanent impact on blue oak woodland habitat. For any temporary impact, all disturbed soils and new fill in this habitat shall be revegetated with site-appropriate native species. For any permanent impact, blue oak woodland habitat shall be mitigated at a ratio of 1.1:1 (replacement to impact). Blue oak trees and valley oak trees that are removed shall be mitigated at a ratio that shall be determined based on the diameter at breast height (dbh) of the tree, as described further below.</p>	<p>Woody vegetation would be prohibited along the underground corridor.</p> <p>Revise text as follows:</p> <p>HWT, PG&E, and/or their contractor(s) shall develop and implement a Habitat Restoration Plan to mitigate any temporary and permanent impact on blue oak woodland habitat. For any temporary impact, all disturbed soils and new fill in this habitat shall be revegetated with site-appropriate native species <u>compatible with the facility.</u> For any permanent impact, blue oak woodland habitat shall be mitigated at a ratio of 1.1:1 (replacement to impact). Blue oak trees and valley oak trees that are removed shall be mitigated at a ratio that shall be determined based on the diameter at breast height (dbh) of the tree, as described further below.</p>
F-32	<p>Mitigation Measure BIO-4: Develop and Implement a Restoration Plan for Blue Oak Woodland Habitat.</p> <p>Blue oak woodland restoration or compensation may be completed at the work area, in the vicinity, or at a conservation bank with a service area that covers the Proposed Project or selected alternative. Revegetated or restored areas shall be maintained and monitored to ensure a minimum of 65 percent survival of woody plantings after 5 years .</p>	<p>Revise as follows:</p> <p>Blue oak woodland restoration or compensation may be completed at the work area, in the vicinity, or at a conservation bank with a service area that covers the Proposed Project or selected alternative. Revegetated or restored areas shall be maintained and monitored to ensure a minimum of 65 percent survival of woody plantings after 5 years (<u>or 75 percent after 3 years</u>),<u>or at a conservation bank with a service area that covers the Proposed Project or selected alternative.</u></p>
F-36 and F-37	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>The following actions by the CPUC are designed to augment the APMs provided by the Project proponents to ensure that construction impacts to cultural resources are mitigated to a level of less than significant:</p> <p>a. The CPUC shall appoint a qualified archaeologist to represent the interests of the CPUC and oversee the implementation of the APMs with regard to archaeological resources on their behalf. The archaeologist shall meet the U.S. Secretary of the Interior's Professional Qualifications Standards for Archeology.</p>	<p>This portion of the measure refers to an action taken by the CPUC, not the Applicants. Therefore, it should be removed.</p> <p>Revise text as follows:</p> <p>The following actions by the CPUC are designed to augment the APMs provided by the Project proponents to ensure that construction impacts to cultural resources are mitigated to a level of less than significant:</p> <p>a. The CPUC shall appoint a qualified archaeologist to represent the interests of the CPUC and oversee the implementation of the APMs with regard to archaeological resources on their behalf. The archaeologist shall meet the U.S. Secretary of the Interior's Professional Qualifications Standards for Archeology.</p>
F-36 and F-37	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>b. The Project proponents shall make every effort to design the project to avoid known eligible or potentially eligible cultural resources for the Proposed Project, reasonably foreseeable distribution components, and alternatives. A 50-foot buffer, using flagging, rope, tape, or fencing, shall be established around the boundary of each respective resource, which shall be designated an environmentally sensitive area. If the proponent engineers determine that the project cannot be designed to avoid known cultural resources and construction will encroach upon the resource buffer, construction monitoring by an archaeologist shall be required.</p>	<p>This portion of the measure is already required by APM Cul-4 and should therefore be removed.</p> <p>Revise text as follows:</p> <p>b. The Project proponents shall make every effort to design the project to avoid known eligible or potentially eligible cultural resources for the Proposed Project, reasonably foreseeable distribution components, and alternatives. A 50-foot buffer, using flagging, rope, tape, or fencing, shall be established around the boundary of each respective resource, which shall be designated an environmentally sensitive area. If the proponent engineers determine that the project cannot be designed to avoid known cultural resources and construction will encroach upon the resource buffer, construction monitoring by an archaeologist shall be required.</p>
F-37	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>A Native American representative from a consulting tribe shall be retained to monitor the construction activities if the resource is a Native American archaeological site.</p>	<p>The CPUC performed AB 52 consultation, and PG&E was not present. Given local tribal territories and desires, it is inappropriate for PG&E to choose a monitor, that should be done by the CPUC.</p> <p>Revise text as follows:</p> <p>A Native American representative from a consulting tribes <u>identified by the CPUC</u> shall be retained to monitor the construction activities if the resource is a Native American archaeological site. <u>The Project proponent will be responsible for communicating project schedules and needs to the Native American monitor and/or tribe, but it is the responsibility of the tribe to ensure that the monitor is on site when called for, and work may proceed if the Project proponent has provided adequate notice of work.</u></p>

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F-38	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>The archaeological monitor shall notify the Project's cultural resources principal investigator immediately, and the principal investigator shall, in turn, notify the CPUC and their appointed professional archaeologist. If an archaeological monitor is not present at the time of the find, Project proponent's environmental inspector or construction supervisor shall make the notifications. The Project's cultural resources principal investigator shall inspect the find within 24 hours of discovery and notify the CPUC of their initial assessment.</p>	<p>Revise text as follows:</p> <p>The archaeological monitor shall notify the Project's cultural resources principal investigator immediately, and the principal investigator shall, in turn, notify the CPUC and their appointed professional archaeologist. <u>If the discovery happens during work being performed by PG&E, the PG&E cultural resource specialist (CRS) must also be notified alongside the CPUC. PG&E's CRSs meet Secretary of the Interior Qualifications as archaeological principal investigators, and have extensive experience performing cultural resources studies within the electrical utility environment.</u> If an archaeological monitor is not present at the time of the find, Project proponent's environmental inspector or construction supervisor shall make the notifications. The Project's cultural resources principal investigator shall inspect the find within 24 hours of discovery and notify the CPUC, <u>and, if on a PG&E portion of the project, PG&E's CRS,</u> of their initial assessment.</p>
F-38	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>Avoidance means that no activities associated with the Project that may affect cultural resources shall occur within the boundaries of the resource or any defined buffer zones.</p>	<p>Add the following text:</p> <p>Avoidance means that no activities associated with the Project that may affect cultural resources shall occur within the boundaries of the resource or any defined buffer zones. <u>If the assessment of significance can be made by the cultural resources principal investigator based on a small sample of discovered material, then the CPUC must respond in writing within 48 hours, or it may be assumed that the CPUC concurs with the principal investigator's findings. If analysis of the discovery requires an in-depth study (i.e., eligibility excavations, etc.) then the CPUC must respond in writing within 1 week of receipt of the principal investigator's report, or it may be assumed that the CPUC concurs with the principal investigator's findings. If the resource is found during PG&E work, or PG&E work will be impacted by the presence or discovery of the resource, then the principal investigator will consult with the PG&E CRS throughout the assessment and, if appropriate, treatment process.</u></p>
F-38	<p>Mitigation Measure CR-1: CPUC Enhancements to APMs CUL-1, CUL-2, CUL-3, CUL-5, and CUL-6.</p> <p>The resource and treatment method shall be documented in a professional-level technical report to be filed with the California Historical Resources Information System. Work in the area may commence, at the direction of the CPUC, upon completion of treatment and under the direction of the qualified archaeologist.</p>	<p>Revise text as follows:</p> <p>The resource and treatment method shall be documented in a professional-level technical report to be filed with the California Historical Resources Information System. <u>The CPUC must provide either concurrence or comments in writing within 1 week of receiving the report. A lack of response from the CPUC may be taken as concurrence with the sufficiency of the treatment documented within the report.</u> Work in the area may commence, <u>at the direction of the CPUC, following concurrence from the CPUC that the work performed was sufficient,</u> upon completion of treatment and under the direction of the qualified archaeologist. <u>Should the resource also be identified as a tribal cultural resource, then measures outlined in Section 4.18 will also apply if resource-specific measures identified during the resource-specific consultation do not supersede them.</u></p>
F-42	<p>Mitigation Measure CR-2: Comply with the Legal Requirements of PRC 5097.98.</p> <p>In turn, the principal investigator shall immediately notify the County coroner, as well as the CPUC and their appointed professional archaeologist.</p>	<p>Revise text as follows:</p> <p>In turn, the principal investigator shall immediately notify the County coroner, as well as the CPUC and their appointed professional archaeologist <u>and, if the discovery is made during PG&E activities, the PG&E CRS.</u></p>
F-42	<p>Mitigation Measure CR-2: Comply with the Legal Requirements of PRC 5097.98.</p> <p>The most likely descendent will complete inspection of the site and make recommendations or preferences for treatment within 48 hours of being granted access to the site. Construction will not continue in the protected area until treatment of the remains has been resolved and notice is provided by the CPUC archaeologist to resume work in the area.</p>	<p>Revise text as follows:</p> <p>The most likely descendent will complete inspection of the site and make recommendations or preferences for treatment within 48 hours of being granted access to the site. <u>As per Section 5097.98 of the PRC, the MLD must also work with the landowner to determine appropriate treatment of remains.</u></p>
F-42	<p>Mitigation Measure CR-2: Comply with the Legal Requirements of PRC 5097.98.</p> <p>Construction will not continue in the protected area until treatment of the remains has been resolved and notice is provided by the CPUC archaeologist to resume work in the area.</p>	<p>Time limits are valuable as they allow PG&E to know clearly when something is complete, as opposed to when it is ongoing, and it allows.</p> <p>Revise text as follows:</p> <p>Construction will not continue in the protected area until treatment of the remains has been resolved and notice is provided by the CPUC archaeologist to resume work in the area, <u>which the CPUC must provide within 24 hours of resolution. If an MLD is not identified by the NAHC, or if the MLD and the landowner cannot reach agreement, then the provisions of PRC Section 5097.98 will be put into effect.</u></p>
F-43	<p>Mitigation Measure CR-3: Complete Cultural Resources Studies, Evaluate Resources for Significance, and Implement Avoidance and Minimization Measures.</p> <p>The pedestrian survey shall include systematic surface inspection with transects spaced at 15-meter (approximately 50-foot) intervals, or less, and shall cover the entire site or alignment and a 100-foot buffer around the site or alignment.</p>	<p>Depending on the locations, 15 meter transects or less, while certainly preferred, may not be possible or safe.</p> <p>Revise text as follows:</p> <p>The pedestrian survey shall include systematic surface inspection with transects spaced at 15-meter (approximately 50-foot) intervals, or less <u>where feasible and safe (owing to landform, paving, and previous construction). Where such transects are not feasible or safe, survey shall provide the most complete coverage possible either through wider transects (ex. on steep slopes near rivers) or opportunistic survey (ex.: locations where private property fences or buildings/pavement obscure the ground),</u> and shall cover the entire site or alignment and a 100-foot buffer around the site or alignment.</p>
F-45	<p>Mitigation Measure CR-3: Complete Cultural Resources Studies, Evaluate Resources for Significance, and Implement Avoidance and Minimization Measures.</p> <p>Archaeological sites found to contain human remains must be treated in accordance with the provisions of Section 7050.5 of the California Health and Safety Code (see APM CUL-4 and Mitigation Measure CR-2).</p> <p>Should any archaeological site be determined eligible for listing in the CRHR, and if Project proponent design engineers determine that any portion of the site that contributes to its eligibility cannot be avoided by construction, a data recovery program shall be necessary and a detailed data recovery plan shall be prepared by a qualified archaeologist per Mitigation Measure CR-1(b). The data recovery plan must be submitted and approved by the CPUC prior to implementation of the plan. The CPUC shall ensure that consulting tribes will have the opportunity to review the data recovery plan for any CRHR-eligible Native American site.</p>	<p>Revised text as follows:</p> <p>Archaeological sites found to contain human remains must be treated in accordance with the provisions of Section 7050.5 of the California Health and Safety Code (see APM CUL-4 and Mitigation Measure CR-2). <u>The CPUC and tribes must either comment on or concur with the findings of the report within 30 days of receipt. Lack of response within 15 days may be considered concurrence.</u></p> <p>Should any archaeological site be determined eligible for listing in the CRHR, and if Project proponent design engineers determine that any portion of the site that contributes to its eligibility cannot be avoided by construction, a data recovery program shall be necessary and a detailed data recovery plan shall be prepared by a qualified archaeologist per Mitigation Measure CR-1(b). The data recovery plan must be submitted and approved by the CPUC prior to implementation of the plan. The CPUC shall ensure that consulting tribes will have the opportunity to review the data recovery plan for any CRHR-eligible Native American site. <u>The CPUC and tribes must either comment on or concur with the findings of the report within 30 days of receipt. Lack of response within 15 days may be considered concurrence.</u></p>

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F-53	<p>Mitigation Measure GEO-1. Mitigation Measure GEO-1: Implement Recommendations in the Project Geotechnical Investigation Report.</p> <p>HWT, PG&E, and/or their contractors shall implement the recommendations contained in the geotechnical investigation report prepared for the proposed Estrella Substation (RRC 2016) and proposed 70 kV power line (Kleinfelder 2017). These include recommendations for a professional geotechnical engineer or his/her representative to be present during construction to evaluate the suitability of excavated soils for use as engineered fill, to observe and test site preparation and fill placement, and to assess the need for densification of subgrade materials.</p>	<p>Revise text as follows:</p> <p>HWT, PG&E, and/or their contractors shall implement the recommendations contained in the geotechnical investigation report prepared for the proposed Estrella Substation (RRC 2016) and proposed 70 kV power line (Kleinfelder 2017), <u>as appropriate for the work, as well as any addenda or subsequent modifications to such reports to account for updated structural design criteria based on the latest California Building Code requirements.</u> These include recommendations for a professional geotechnical engineer or his/her representative to be present during construction to evaluate the suitability of excavated soils for use as engineered fill, to observe and test site preparation and fill placement, and to assess the need for densification of subgrade materials.</p>
F-54	<p>Mitigation Measure GEO-2. Paleontological Resources Survey, Technical Report, and Construction Monitoring.</p> <p>Applicability: RFDC, SS-1, PLR-1C</p>	<p>RFDC would not be constructed under this PTC. Therefore, this measure should not apply to this alternative.</p> <p>Revise text as follows:</p> <p>Applicability: RFDC, SS-1, PLR-1C</p>
F-54	<p>Mitigation Measure GEO-2. Paleontological Resources Survey, Technical Report, and Construction Monitoring.</p> <p>The PRTR shall be prepared in accordance with standards provided by the Society for Vertebrate Paleontology and shall assign site sensitivity based on the potential fossil yield classification system utilized by the Bureau of Land Management.</p>	<p>Revise text as follows:</p> <p>The PRTR shall be prepared in accordance with standards provided by the Society for Vertebrate Paleontology and shall assign site sensitivity based on the potential fossil yield classification system utilized by the Bureau of Land Management, <u>and may use additional measures of paleontological sensitivity as determined appropriate by the qualified paleontologist.</u></p>
F-58	<p>Mitigation Measure HAZ-1. Prepare and Implement a Fire Prevention and Management Plan.</p> <p>Monitoring and Reporting Action (Responsible Party) 3. Confirm that the plan is reviewed the San Luis Obispo County Fire Department. (CPUC)</p>	<p>CAL FIRE functions as the County Fire Department under a contract with the County of San Luis Obispo.</p> <p>Revised text as follows:</p> <p>3. Confirm that the plan is reviewed by CAL FIREthe San Luis Obispo County Fire Department. (CPUC)</p>
F-58	<p>Mitigation Measure HAZ-1. Prepare and Implement a Fire Prevention and Management Plan.</p> <p>For project or alternative components located within a very high or high fire hazard severity zone, HWT and PG&E shall prepare and implement a fire prevention and management plan. The document will address fire prevention measures that will be employed during the construction phases, identifying potential sources of ignition and detailing the measures, equipment, and training that will be provided to all site contractors. The fire prevention and management plan shall also address potential ignition risks during operation of the project or alternative components. Coordination with state and local fire agencies is required, as specified below, and the plan shall be submitted to the CPUC for final review and approval prior to start of construction. Where applicable, overlap with the HWT and PG&E Wildfire Mitigation Plans prepared pursuant to California Public Utilities Code Section 8386 shall be highlighted in the fire prevention and management plan. Specifically, the plan will include, at a minimum, the following:</p>	<p>PG&E and HWT would develop and implement separate fire prevention and management plans.</p> <p>Revise text as follows:</p> <p>For project or alternative components located within a very high or high fire hazard severity zone, HWT and PG&E shall prepare and implement a <u>separate</u> fire prevention and management plans. These documents will address fire prevention measures that will be employed during the construction phases, identifying potential sources of ignition and detailing the measures, equipment, and training that will be provided to all site contractors.</p> <p>The fire prevention and management plans shall also address potential ignition risks during operation of the project or alternative components. Coordination with state and local fire agencies is required, as specified below, and the plans shall be submitted to the CPUC for final review and approval prior to start of construction. Where applicable, overlap with the HWT and PG&E Wildfire Mitigation Plans prepared pursuant to California Public Utilities Code Section 8386 shall be highlighted in the fire prevention and management plan. Specifically, the plans will include, at a minimum, the following:</p>
F-60	<p>Mitigation Measure HAZ-1. Prepare and Implement a Fire Prevention and Management Plan.</p> <p>Design and Operation Considerations to Minimize Fire Hazard</p> <ul style="list-style-type: none"> Development and implementation of protocols for de-energizing the substation and/or transmission line components in the event of a wildfire; and 	<p>At a system level, PG&E's grid control center manages coordination of transmission line and substation clearances/outages during wildfire events, including coordination with CDF and other fire agencies. As such, this portion of the measure should be removed.</p> <p>Revise text as follows:</p> <p>Development and implementation of protocols for de-energizing the substation and/or transmission line components in the event of a wildfire; and</p>
F-60	<p>Mitigation Measure HAZ-1. Prepare and Implement a Fire Prevention and Management Plan.</p> <p>Design and Operation Considerations to Minimize Fire Hazard</p> <ul style="list-style-type: none"> Inclusion of any needed water storage facilities on-site at the substation accessible to firefighters. 	<p>PG&E does not have access to a water source. This portion of the measure is not feasible and should be removed.</p> <p>Revise text as follows:</p> <p>Inclusion of any needed water storage facilities on-site at the substation accessible to firefighters.</p>
F-62	<p>Mitigation Measure HYD/WQ-1. Implement Construction Best Management Practices for Erosion Control.</p> <p>For ground-disturbing construction activities that do not require coverage under the Construction General Permit (e.g., total ground disturbance associated with that action does not exceed 1 acre), HWT, PG&E, and/or their contractors shall implement the following measures during construction of the alternative components, or shall implement alternative measures that are equally or more effective:</p> <ul style="list-style-type: none"> Implement practices to reduce erosion of exposed soil and stockpiles, including watering for dust control, establishing perimeter silt fences, and/or placing fiber rolls. Minimize soil disturbance areas. Implement practices to maintain water quality, including silt fences, stabilized construction entrances, and storm-drain inlet protection. Where feasible, limit construction to dry periods. Revegetate disturbed areas. 	<p>The PTCs sought by the Applicants do not include authorization to construct the reasonably foreseeable distribution components. The mitigation measures will apply to the project components Applicants are authorized to construct under the PTCs. However, because the Applicants are not seeking authority to construct the reasonably foreseeable distribution components under the PTCs, mitigation measures imposed under the PTCs should not apply to the reasonably foreseeable distribution components.</p> <p>Revise text as follows:</p> <p>For ground-disturbing construction activities that do not require coverage under the Construction General Permit (e.g., total ground disturbance associated with that action does not exceed 1 acre), HWT, PG&E, and/or their contractors shall implement the following measures during construction of the alternative components, or shall implement alternative measures that are equally or more effective:</p> <ul style="list-style-type: none"> Implement practices to reduce erosion of exposed soil and stockpiles, including watering for dust control, establishing perimeter silt fences, and/or placing fiber rolls. Minimize soil disturbance areas. Implement practices to maintain water quality, including silt fences, stabilized construction entrances, and storm-drain inlet protection. Where feasible, limit construction to dry periods. <p>Revegetate disturbed areas</p>

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F-67	<p>Mitigation Measure NOI-1: General Construction Noise.</p> <p>Nighttime work between the hours of 10:00 pm and 7:00 am shall not occur, except when electrical clearances are available or when safe completion of a construction procedure is needed.</p>	<p>Nighttime work between the hours of 10:00 pm and 7:00 am shall not occur, except when electrical clearances are <u>not</u> available or when safe completion of a construction procedure is needed.</p>
F-66 and F-67	<p>Mitigation Measure NOI- 2: Minimize Noise Impacts from Helicopters.</p> <p>HWT and PG&E shall implement the following procedures for helicopter activities:</p> <ul style="list-style-type: none"> ▪ Public Notice. Residences and places of worship (e.g., The Cove) within 1450 feet from any location where helicopter activities may occur, including flight paths if applicable, shall be provided written notice at least 30 days prior to beginning helicopter activities to inform them of the schedule for helicopter use and potential noise disruptions. Methods for receptors to reduce noise in structures shall be included in the notice (i.e., closing doors and windows facing the alignment). The notice shall describe procedures for submitting any noise complaints during construction and provide a phone number for submitting such complaints, as required by MM NOI-1. ▪ Helicopter Hovering. Light/medium lift helicopters shall not operate closer than 1,450 feet from any receptors unless actively working at pole locations along the alignment. Helicopters may operate closer than these distances if all affected receptors agree in writing to a shorter distance. Prior to reducing the minimum distance from receptors, PG&E shall provide the CPUC with the names, contact information, and written agreements for all affected persons within the applicable distances. The written agreements shall clearly identify the anticipated helicopter noise levels, daily schedule, and duration of helicopter activities in the vicinity. ▪ Helicopter Landing Zones. Helicopter landing zones shall not be positioned closer than 1,450 feet from any receptor. Helicopters may land closer than these distances if all affected receptors agree in writing to allow a shorter distance. 	<p>As described in the comment letter, the FTA Transit Noise and Vibration Impact Assessment Manual, which contains guidelines for the evaluation of the significance of construction noise impacts, is for transit projects and should not be used to determine significance of the proposed utility project. The Proposed Project would comply with local noise ordinances; therefore, impacts will be less than significant and mitigation is not necessary. However, if MM NOI-1 is included, it should be modified since securing written permission from sensitive receptors is not feasible. In addition, light/medium lift helicopters will not exceed the FTA threshold of 90 dBA Leq(1hr), so MM NOI-1 should only apply to heavy lift helicopter operation.</p> <p>Revise text as follows:</p> <p>HWT and PG&E shall implement the following procedures for helicopter activities:</p> <ul style="list-style-type: none"> ▪ Public Notice. Residences and places of worship (e.g., The Cove) within 1450 <u>200</u> feet from any location where light/medium lift <u>heavy lift</u> helicopter activities may occur (limited to up to 10 pole replacements on the Reconductoring Segment), including flight paths if applicable, shall be provided written notice at least 30 <u>14</u> days prior to beginning helicopter activities to inform them of the schedule for helicopter use and potential noise disruptions. Methods for receptors to reduce noise in structures shall be included in the notice (i.e., closing doors and windows facing the alignment). The notice shall describe procedures for submitting any noise complaints during construction and provide a phone number for submitting such complaints, as required by MM NOI-1. ▪ Helicopter Hovering. Light/medium <u>Heavy</u> lift helicopters shall not operate closer than 200 feet from any receptors unless actively working at pole locations along the alignment. Helicopters may operate closer than these distances if all affected receptors agree <u>are notified in writing to a shorter distance</u>. Prior to reducing the minimum distance from receptors, upon request, PG&E shall provide the CPUC with the names, and contact information, and written agreements for all affected persons <u>notified</u> within the applicable distances. The written agreements shall clearly identify the anticipated helicopter noise levels, daily schedule, and duration of helicopter activities in the vicinity. ▪ Helicopter Landing Zones. Helicopter landing zones within staging areas shall be positioned as far as possible from receptors. Helicopter landing zones shall not be positioned closer than 1,450 <u>200</u> feet from any receptor. Helicopters may land closer than these distances if all affected receptors agree in writing to allow a shorter distance <u>are notified</u>.
F-69	<p>Mitigation Measure TR-1. Construction Traffic Control Plan.</p> <p>HWT and PG&E shall implement a traffic control plan during Proposed Project construction and/or during construction of the reasonably foreseeable distribution components or selected alternative. The traffic control plan will minimize vehicle travel delays and potential roadway hazards on public roadways during construction activities. The traffic control plan may be used to satisfy requirements imposed in encroachment permits from Caltrans, County of San Luis Obispo, and/or City of Paso Robles. The traffic control plan shall provide for the following:</p> <ul style="list-style-type: none"> ▪ In situations where slow-moving trucks or construction equipment are operated on public roadways (e.g., accessing the Estrella Substation site or staging or work areas along the Proposed Project's 70 kV power line route), signage and/or flaggers shall be used to warn motorists of potential safety hazards associated with the slow- moving vehicles. ▪ For any lane closures, signage, flaggers, and/or other devices shall be used to route vehicle traffic around the construction work area. The traffic control measures shall ensure that pedestrians and bicyclists are provided safe passage around the work area, where applicable. ▪ For any road closures, detours will be provided and signage, flaggers, and/or other devices shall be used to ensure motorists, pedestrians, and bicyclists are able to safely pass through the detour areas. ▪ Police, fire, and other emergency services departments serving the area shall be notified of planned lane or road closures on public roadways at least 48 hours in advance. ▪ Crossing structure installation shall occur during periods of low traffic (e.g., avoiding the morning and evening rush hour periods) to the extent practicable. 	<p>Revise text as follows:</p> <p>HWT and PG&E shall each implement a traffic control plans during Proposed Project construction and/or during construction of the reasonably foreseeable distribution components or selected alternative. The traffic control plan will minimize vehicle travel delays and potential roadway hazards on public roadways during construction activities. The traffic control plan may be used to satisfy requirements imposed in in accordance with the applicable encroachment permits from issued by Caltrans, County of San Luis Obispo, and/or City of Paso Robles. The traffic control plans may shall provide for the following, as dictated by the relevant agency:</p> <ul style="list-style-type: none"> • In situations where slow-moving trucks or construction equipment are operated on public roadways (e.g., accessing the Estrella Substation site or staging or work areas along the Proposed Project's 70 kV power line route), signage and/or flaggers shall be used to warn motorists of potential safety hazards associated with the slow- moving vehicles. • For any lane closures, signage, flaggers, and/or other devices shall be used to route vehicle traffic around the construction work area. The traffic control measures shall ensure that pedestrians and bicyclists are provided safe passage around the work area, where applicable. • For any road closures, detours will be provided and signage, flaggers, and/or other devices shall be used to ensure motorists, pedestrians, and bicyclists are able to safely pass through the detour areas. • <u>Protocols from the applicable agencies to notify</u> police, fire, and other emergency services departments serving the area shall be notified of planned lane or road closures on public roadways at least 48 hours in advance. • Crossing structure installation and, or traffic control for conductor crossings shall occur during periods of low traffic (e.g., avoiding the morning and evening rush hour periods) to the extent practicable. • All warning signs, lights, devices, and procedures used in the construction traffic control plan shall conform to the latest California Manual of Uniform Traffic Control Devices.

Estrella Substation and Paso Robles Area Reinforcement Project
PG&E Comments on Draft Environmental Impact Report
Attachment 2
Comments on the Behind-the-Meter Analysis

Below are PG&E's detailed comments on the Behind-the-Meter Solar Plus Storage Adoption Propensity Analysis (BTM Analysis), provided by Energy Division as Appendix B to DEIR Appendix B (Final Alternatives Screening Analysis). Page references are to the BTM Analysis.

Scope of BTM Analysis Is Flawed

- The BTM Analysis states that its analysis is based on evaluation of the time-series load profiles for approximately 75,000 customers (p. 10). However, the Paso Robles DPA only has approximately 47,000 customers. Therefore, the study is flawed because it is based on too large a pool of customers and therefore overestimates the number of potential BTM adopters in the Paso Robles DPA.
- It is unclear how the study's analysis incorporates the number of customers who either already have storage systems installed or have applied to install such systems. The total BTM adoption propensity scenarios listed in Table 4 range from -low, medium and high estimates of approximately 17,000, 19,000 and 21,000 customers, respectively. The total Paso Robles DPA has roughly 47,000 customers, and approximately 6,000 of these are already residential solar PV customers. Of the remaining 41,000 customers, some portion of them reside in apartment buildings or multi-family units. The BTM Analysis does not account for these customers or explain why they should be included in the group of customers that could install a solar plus storage system. Even assuming that all customers in the DPA that rent could install solar plus storage, based on the estimates provided in Table 4, the study predicts a BTM adoption propensity for solar plus storage that ranges between 41 to 51 percent of these remaining 41,000 customers.
- The study is unclear whether its analysis is based on the economic propensity of customers in the Paso Robles DPA to adopt BTM storage or BTM storage plus solar
- The study, admittedly, does not address the likelihood or timing of customer's adopting storage: "Economic propensity analyses simply identify customers for which it would make economic sense to adopt a technology, not necessarily what is likely to occur" (p. 14).
 - The study's propensity finding is high relative to statewide forecast. The study finds a propensity for 125-175 MW of storage in the Paso Robles DPA. For comparison, the CEC forecasts the state of California will have approximately 700-900 MW of behind-the-meters storage. In other words, the study finds that approximately 18 percent of the CEC's adoption forecast for the entire state could be achieved in the Paso Robles DPA
 - Given the absence of storage mandates, future storage adoption is highly uncertain.

Modeling Assumptions are Not Reasonable and Skew the Results of the Analysis

The inputs and assumptions used in the model to assess BTM adoption propensity are flawed.

- The study arbitrarily uses a 10-year payback period as the threshold below which a customer is determined to have a propensity to invest in BTM storage or storage plus PV system. Moreover, the study is vague as to whether the 10-year payback period is applied in the context of purchasing a PV system or a PV plus storage system.

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- The study does not provide a range of dollar amounts used for the cost of a residential PV solar system. Instead, it states that the size of a PV system “is optimized based on household energy consumption,” and “cost is aligned with IRP assumptions on dollars per watt (\$/W) for 2019.” The BTM Analysis should provide greater detail and transparency to describe these calculations.
- The study states that “publicly available studies” on the value of lost load range from \$5 to \$20/kWh. The BTM Analysis should provide a citation to the studies it relied on.

Incentives Availability Is Overestimated

- Incentives can have significant impact on the economic feasibility of storage systems, but the BTM Analysis does not explicitly detail its assumptions about how the incentives in the SGIP and ITC programs were factored into its analysis. These programs provide a wide range of incentives based on customer eligibility and year of adoption, which will influence the results produced by the BTM Analysis.
 - The BTM Analysis says that it incorporates SGIP incentives (p.13). Depending on customer eligibility, residential SGIP incentives currently range from \$250 - \$1,000 per kWh of battery capacity. What dollar amount was used in the BTM Analysis? Moreover, SGIP funding is currently scheduled to end in 2024, and funding could be exhausted sooner. This means that SGIP funding will end on or before the in-service date of the Proposed Project and should not be factored into the BTM Analysis for purposes of comparing Alternative BS-3 to the reasonably foreseeable distribution components.
 - The study says that it incorporates the ITC program (p. 13). The level of ITC incentive decreases every year between 2019 and 2022, and the residential incentive ends in 2021. This means that ITC funding will end on or before the PTC proceeding is completed and well before the actual in-service date of the Proposed Project. Similar to the SGIP incentive, ITC program incentives should not be factored into the BTM Analysis for purposes of comparing Alternative BS-3 to the reasonably foreseeable distribution components.
 - Unless the economic propensity analysis in the study excludes the SGIP and ITC program incentives, the calculation of the total number potential adopters is flawed because it underestimates the cost of BTM adoption since those incentives will not be available when the PTC is issued and the substation constructed.
- Achieving estimated adoption propensity would require a significant incentive to influence customer behavior. It seems reasonable for cost-comparison purposes to assume that the total dollars for an incentive program would be equivalent to the \$18.5 million estimated unit cost of the Proposed Project’s distribution components. Using that figure, under the low BTM adoption propensity scenario the \$18.5 million incentive would be divided among 17,000 customers, which equals approximately \$1,100 per customer, or \$881 per person if divided among 21,000 customers. This amount of incentive does not seem like it would drive the high level of market participation estimated by the BTM Analysis.

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Peak Period of Use and Peak Period of Solar Generation Do Not Align

Table 4 on page 15 estimates that the BTM solar contribution for 17,000 customers during the peak demand period is approximately 88 MW or roughly 5.2 kW per customer. Based on our review, the *average* residential solar PV system generates approximately 5-6 kW per customer. The Paso Robles DPA peak electrical demand period is between 5-7 PM in the summer. The PVWatts program shows on July 8, 2020, an average residential solar system in Paso Robles would output approximately 5 kW, at noon 0.74 kW at 5pm, 0.15 kW at 6pm, and 0 kW at 7pm. In other words, Table 4 assumes that peak solar output occurs during the peak demand period, which is incorrect. Based on the PVWatts program values, at 5pm the 17,000 assumed BTM adopters with 0.74kW solar output each would generate 12.6 MW total, declining to 0 MW by 7 PM, which is far less than the 88 MW estimated by the BTM Analysis. In addition, the residential solar output would be so low from 5-7 PM that the residential load would likely consume all the solar output, leaving nothing left to export to the grid.

Feeder Capacity Issues Limit BTM Adoption Potential

The BTM Analysis states that Paso Robles Feeder 1107 “has the potential for BTM storage adoption of 9.5MW/18.7MWh under the high scenario, and that Paso Robles Feeder 1102 ...” has the potential for adoption of 7.3MW/14.3MWh of BTM storage under the high scenario” (p. 21). In addition, Table 7 provides the following BTM storage adoption propensity regarding three other Paso Robles feeders under the high adoption scenario: Circuit 1104 has 10.9 MW, Circuit 1106 has 18.8 MW, and Circuit 1108 has 14.9MW.

The study overestimates the maximum feeder capacity of these circuits in most instances. The Paso Robles circuits are all 12 kV feeders. The maximum capacity of a 12 kV feeder is roughly 12 MW, assuming that the conductor for the feeder uses PG&E's largest specified distribution conductor, which is a 715 mm all aluminum conductor (AAC). Even assuming that all of the Paso Robles circuits have a 12 MW capacity, the high BTM storage adoption propensity estimated by the study exceeds a 12 kV circuit's possible rating for Paso Robles 1106 and 1108, and between 61-79% in the other cases. Even the low BTM storage adoption scenario for Paso Robles 1106 exceeds the capacity of the highest rated 12kV circuit.

Hosting Capacity Issues Limit Generation Potential

Hosting capacity refers to the ability of circuits to accept new generation. The hosting capacity analysis is flawed because it incorrectly assumes that hosting capacity can be calculated for an entire feeder, whereas actual hosting capacity functions on a segment-by-segment basis for each feeder and must be evaluated that way.

- The BTM Analysis does not specify if or when the combination of solar and storage would be a load or generation on the grid, which would impact hosting capacity needs.
- PG&E compared the BTM Analysis results to PG&E's ICA map, because it is more useful when looking at a specific location rather than a general area, and it is the most conservative and therefore realistic value. The ICA data is calculated at the line section level and cannot be added across line sections or feeders because the results are dependent on each other, so there is no way to sum the total hosting capacity across the entire feeder. This makes it difficult to extrapolate a feeder-level hosting capacity to

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compare to the BTM adoption propensity estimates provided in the study, such as Table 7. As a reasonable approach, we took the line section that had the most capacity on a particular feeder to estimate the maximum hosting capacity for the entire circuit (i.e., the value represents the highest estimate in a conservative assumption). We also note that the maximum hosting capacity PG&E ever shows for a line section is 10MW, which is the limit for a standard interconnection.

- The study does not consider PV or battery storage system interconnection or feeder operations issues when estimating BTM adoption storage propensity.
- Paso Robles 1104 has zero hosting capacity for both generic and PV.
- For Paso Robles 1106, ICA map indicates that highest hosting capacity for a line section on that circuit is 810kW of generic or 1010kW of PV.

Battery Storage System Issues

- **Size and Storage.** The study assumes a battery size of 7 kW/13.5 kWh (p. 12), which is described as a “market-ready product” (p. 20). PG&E deduces, based on these specifications, that the CPUC is referring to a Tesla Powerwall 2. Battery sizes are typically reported with the maximum continuous battery power rating, which appears to be the most relevant metric for the context of this study. However, the 7kW is a peak output number and 5kW is the continuous output rating. Also noted on the Tesla web site is that the battery holds 10% in reserve upon discharge so there is only 12.2kWh available for use. To our knowledge, a battery with 13.5 kWh and 7 kW of maximum continuous power is not widely available on the market. It is unclear how sensitive the study’s findings are to these particular storage specifications, but the likely result is that the study overestimates the economic value of the batteries and overestimates the number of potential BTM adopters as well.
- **Cost.** The study assumes a residential storage system cost of \$9,376 (p. 12). Based on data provided by storage vendors and third-party market research firms, this cost is lower than typical costs reported. For example, Tesla—a residential storage market leader—reports their 5 kW/ 13.5 kWh Powerwall 2 storage systems typically cost \$10,100-\$12,100, excluding taxes, permit fees, and other soft costs. Thus, the actual cost to purchase and install a residential storage system is higher than assumed by the study. On this basis alone, the study likely overestimates the number of potential BTM adopters.

In addition, typical 5 kW solar systems in California after current tax incentives cost about \$13,200 (see www.solarreviews.com). Together, a residential solar-plus-battery system would likely cost between \$23,000 and \$25,000. This further emphasizes the point that the study likely overestimated the number of potential BTM adopters.

- **Export Ability.** The BTM Analysis states that: “BTM storage systems function by either directly reducing the customer's own grid consumption, or sending excess stored power back to the grid, often in response to a price or event signal” (p. 10). Based on information provided in Table 3, it appears that the study uses the Tesla Powerwall 2 unit as the residential battery storage unit to base its analysis on (7kW/13.5kWh unit size

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matches the Tesla Powerwall 2 description). The BTM adoption propensity battery storage values in Table 4 assume each customer battery can output approximately 7 kW to the grid for the entire peak period. This is not possible since PG&E has not approved the Tesla battery, or any other battery, for export to the grid. The actual capacity reduction per customer will be the load that each battery takes off the grid. Estimated customer load for the typical PG&E system residential customer is 2kW (peak) (Figure 1-12, CEC 2014-2024 Preliminary Forecast, Electric Demand by Utility Planning Area). Even assuming that low scenario estimate that 17,000 customers would adopt BTM is correct, this would equate to a reduction of approximately 34 MW instead of the 125 MW listed in Table 4. Tables 5 and 7 are impacted by this same issue.

Master Control System for Home Battery Storage Systems Does Not Exist

The BTM Analysis states that the calculated BTM storage adoption propensity is sufficient to meet the capacity needs PG&E identified in its 2019 DDOR for Paso Robles circuit 1104 and San Miguel Bank 1, assuming that the BTM storage resources “were fully charged at the start of the peak period and could be subsequently discharged in a coordinated fashion (a master control system may be required for this)” (p. 22, text and Table 9). As discussed above, PG&E has not approved the Tesla Powerwall 2 unit or any other BTM battery storage device to export power to the grid. Therefore, the study’s determination is incorrect to the extent its analysis is based on exporting power from a battery onto the grid to meet another customer’s demand, rather than simply reducing the amount of power from the grid needed by the customers that installed batteries.

Moreover, even if PG&E approved a battery storage system technology, such as the Tesla Powerwall 2, to discharge to the grid, the “master control system” to coordinate the discharge posited by the study does not exist at this time. While it may be technically feasible to control a large number of BTM batteries for deferral in the future, there is no off-the-shelf solution right now. PG&E is working on some of this functionality via EPIC 3.03 and to operationalize DIDF/IDER, but those are currently point solutions and not aggregator solutions.

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Attachment 3
Revised Air Quality Analysis

Proposed Project Construction Emissions

	CO	ROG	NO _x	ROG + NO _x	SO _x	Fugitive Dust PM ₁₀	PM ₁₀	PM _{2.5}	DPM
Maximum Daily Emissions (lbs/day)									
CalEEMod Sources (unmitigated)	77.59	11.89	110.48	122.37	0.28	8.47	12.38	7.38	3.91
Helicopter (unmitigated)	11.86	1.60	30.17	30.56	3.58	46.30	48.36	48.36	0.00
Total Maximum Daily (unmitigated)	79.88	11.89	110.48	122.37	3.83	47.78	52.66	51.37	3.91
CalEEMod Sources (mitigated)	77.59	11.89	110.48	122.37	0.28	4.05	7.96	5.28	3.91
Helicopter (mitigated)	11.86	1.60	30.17	30.56	3.58	46.30	48.36	48.36	0.00
Total Maximum Daily (mitigated)	79.88	11.89	110.48	122.37	3.83	47.78	52.66	51.37	3.91
Significance Thresholds	-	-	-	137	-	-	-	-	7
Significant?	-	-	-	No	-	-	-	-	No
Maximum Quarterly Emissions (tons/quarter)									
CalEEMod Sources (unmitigated)	-	-	-	1.18	-	0.04	-	-	0.04
Helicopter (unmitigated)	-	-	-	0.09	-	0.12	-	-	-
Total Maximum Quarterly (unmitigated)	-	-	-	1.28	-	0.16	-	-	0.04
CalEEMod Sources (mitigated)	-	-	-	1.18	-	0.03	-	-	0.04
Helicopter (mitigated)	-	-	-	0.09	-	0.12	-	-	-
Total Maximum Quarterly (mitigated)	-	-	-	1.28	-	0.14	-	-	0.04
Significance Thresholds	-	-	-	Tier 1 2.5 Tier 2 26.3	-	2.5	-	-	0.13
Significant?	-	-	-	No	-	No	-	-	No

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	CO	ROG	NO _x	ROG + NO _x	SO _x	Fugitive Dust PM ₁₀	PM ₁₀	PM _{2.5}	DPM
Total Project Emissions (tons)									
CalEEMod Sources (unmitigated)	6.82	0.97	8.63	9.60	0.02	0.29	0.60	0.38	0.31
Helicopter (unmitigated)	0.04	0.01	0.15	0.16	0.02	0.21	0.22	0.22	-
Total Construction Project (unmitigated)	6.86	0.98	8.78	9.76	0.04	0.50	0.82	0.60	0.31
CalEEMod Sources (mitigated)	6.82	0.97	8.63	9.60	0.02	0.22	0.53	0.35	0.31
Helicopter (mitigated)	0.04	0.01	0.15	0.16	0.02	0.21	0.22	0.22	-
Total Construction Project (mitigated)	6.86	0.98	8.78	9.76	0.04	0.43	0.75	0.57	0.31

Note: Some totals may be off due to rounding.

Proposed Project GHG Emissions

Phase	GHG Emissions (Metric Tons CO₂e)
Ground-Based Construction Emissions (unmitigated)	2,206
Helicopter Emissions (unmitigated)	43.70
Total Construction Emissions (unmitigated)	2,250
Amortized Construction Emissions (unmitigated)	75.0
Ground-Based Construction Emissions (mitigated)	2,206
Helicopter Emissions (mitigated)	43.70
Total Construction Emissions (mitigated)	2,250
Amortized Construction Emissions (mitigated)	75.0
SF ₆ Gas Insulated Switches and Equipment	96
Total Annualized Emissions	187

Estimated Weekly Emissions (to determine maximum lb/day)		Total Unmitigated											Total Mitigated									
Start of week	End of Week	Week	CO	ROG	NOX	ROG + NOX	SOX	Fugitive Dust PM10	PM10	PM2.5	DPM	CO	ROG	NOX	ROG + NOX	SOX	Fugitive Dust PM10	PM10	PM2.5	DPM		
6/1/2022	6/7/2022	1	4.51	0.63	9.13	9.77	0.02	1.26	1.47	0.41	0.21	4.51	0.63	9.13	9.77	0.02	0.77	0.98	0.35	0.21		
6/8/2022	6/14/2022	2	4.51	0.63	9.13	9.77	0.02	1.26	1.47	0.41	0.21	4.51	0.63	9.13	9.77	0.02	0.77	0.98	0.35	0.21		
6/15/2022	6/21/2022	3	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67		
6/22/2022	6/28/2022	4	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67		
6/29/2022	7/5/2022	5	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67		
7/6/2022	7/12/2022	6	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67		
7/13/2022	7/19/2022	7	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67		
7/20/2022	7/26/2022	8	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67	11.94	1.91	18.05	19.97	0.04	0.37	1.05	0.72	0.67		
7/27/2022	8/2/2022	9	15.10	2.41	24.31	26.72	0.05	1.39	2.24	1.03	0.85	15.10	2.41	24.31	26.72	0.05	0.91	1.76	0.98	0.85		
8/3/2022	8/9/2022	10	15.10	2.41	24.31	26.72	0.05	1.39	2.24	1.03	0.85	15.10	2.41	24.31	26.72	0.05	0.91	1.76	0.98	0.85		
8/10/2022	8/16/2022	11	11.40	1.88	18.59	20.46	0.04	0.34	1.00	0.70	0.66	11.40	1.88	18.59	20.46	0.04	0.34	1.00	0.70	0.66		
8/17/2022	8/23/2022	12	11.40	1.88	18.59	20.46	0.04	0.34	1.00	0.70	0.66	11.40	1.88	18.59	20.46	0.04	0.34	1.00	0.70	0.66		
8/24/2022	8/30/2022	13	11.40	1.88	18.59	20.46	0.04	0.34	1.00	0.70	0.66	11.40	1.88	18.59	20.46	0.04	0.34	1.00	0.70	0.66		
8/31/2022	9/6/2022	14	23.80	3.41	32.27	35.68	0.08	0.55	1.69	1.20	1.14	23.80	3.41	32.27	35.68	0.08	0.55	1.69	1.20	1.14		
9/7/2022	9/13/2022	15	23.80	3.41	32.27	35.68	0.08	0.55	1.69	1.20	1.14	23.80	3.41	32.27	35.68	0.08	0.55	1.69	1.20	1.14		
9/14/2022	9/20/2022	16	55.73	8.79	84.47	93.26	0.20	8.05	11.06	6.43	3.01	55.73	8.79	84.47	93.26	0.20	3.64	6.65	4.33	3.01		
9/21/2022	9/27/2022	17	55.73	8.79	84.47	93.26	0.20	8.05	11.06	6.43	3.01	55.73	8.79	84.47	93.26	0.20	3.64	6.65	4.33	3.01		
9/28/2022	10/4/2022	18	55.73	8.79	84.47	93.26	0.20	8.05	11.06	6.43	3.01	55.73	8.79	84.47	93.26	0.20	3.64	6.65	4.33	3.01		
10/5/2022	10/11/2022	19	77.59	11.89	110.48	122.37	0.28	8.47	12.38	7.38	3.91	77.59	11.89	110.48	122.37	0.28	4.05	7.96	5.28	3.91		
10/12/2022	10/18/2022	20	41.54	6.03	57.05	63.07	0.15	1.38	3.32	2.12	1.94	41.54	6.03	57.05	63.07	0.15	1.22	3.15	2.10	1.94		
10/19/2022	10/25/2022	21	39.91	5.89	54.52	60.40	0.14	1.24	3.16	2.06	1.92	39.91	5.89	54.52	60.40	0.14	1.08	3.00	2.04	1.92		
10/26/2022	11/1/2022	22	49.49	6.89	64.50	71.39	0.17	1.30	3.74	2.61	2.45	49.49	6.89	64.50	71.39	0.17	1.30	3.74	2.61	2.45		
11/2/2022	11/8/2022	23	49.49	6.89	64.50	71.39	0.17	1.30	3.74	2.61	2.45	49.49	6.89	64.50	71.39	0.17	1.30	3.74	2.61	2.45		
11/9/2022	11/15/2022	24	52.93	7.34	69.69	77.04	0.17	1.41	4.10	2.86	2.69	52.93	7.34	69.69	77.04	0.17	1.41	4.10	2.86	2.69		
11/16/2022	11/22/2022	25	52.93	7.34	69.69	77.04	0.17	1.41	4.10	2.86	2.69	52.93	7.34	69.69	77.04	0.17	1.41	4.10	2.86	2.69		
11/23/2022	11/29/2022	26	47.19	6.65	61.61	68.26	0.16	1.21	3.66	2.59	2.45	47.19	6.65	61.61	68.26	0.16	1.21	3.66	2.59	2.45		
11/30/2022	12/6/2022	27	47.19	6.65	61.61	68.26	0.16	1.21	3.66	2.59	2.45	47.19	6.65	61.61	68.26	0.16	1.21	3.66	2.59	2.45		
12/7/2022	12/13/2022	28	48.80	6.85	62.78	69.63	0.17	1.22	3.59	2.51	2.36	48.80	6.85	62.78	69.63	0.17	1.22	3.59	2.51	2.36		
12/14/2022	12/20/2022	29	48.80	6.85	62.78	69.63	0.17	1.22	3.59	2.51	2.36	48.80	6.85	62.78	69.63	0.17	1.22	3.59	2.51	2.36		
12/21/2022	12/27/2022	30	56.64	7.83	74.14	81.97	0.20	1.71	4.31	2.87	2.61	56.64	7.83	74.14	81.97	0.20	1.71	4.31	2.87	2.61		
12/28/2022	1/3/2023	31	65.35	8.89	75.32	84.21	0.25	1.56	4.01	2.69	2.44	65.35	8.89	75.32	84.21	0.25	1.56	4.01	2.69	2.44		
1/4/2023	1/10/2023	32	62.17	8.58	72.76	81.34	0.23	1.56	3.98	2.67	2.43	62.17	8.58	72.76	81.34	0.23	1.56	3.98	2.67	2.43		
1/11/2023	1/17/2023	33	57.81	8.13	67.39	75.52	0.21	1.17	3.49	2.46	2.32	57.81	8.13	67.39	75.52	0.21	1.17	3.49	2.46	2.32		
1/18/2023	1/24/2023	34	67.96	9.43	89.13	98.56	0.28	4.78	4.36	51.62	50.68	2.20	67.96	9.43	89.13	98.56	0.28	4.78	4.36	51.62	50.68	2.20
1/25/2023	1/31/2023	35	79.88	11.39	106.16	117.55	0.38	4.78	5.26	51.37	2.82	79.88	11.39	106.16	117.55	0.38	4.78	5.26	51.37	2.82		
2/1/2023	2/7/2023	36	43.10	6.12	53.44	59.56	0.16	1.40	3.16	2.01	1.77	43.10	6.12	53.44	59.56	0.16	1.40	3.16	2.01	1.77		
2/8/2023	2/14/2023	37	49.18	6.82	70.21	77.03	0.33	4.74	51.18	50.10	1.48	49.18	6.82	70.21	77.03	0.33	4.74	51.18	50.10	1.48		
2/15/2023	2/21/2023	38	36.74	4.98	52.78	57.75	0.38	47.19	50.13	49.42	0.88	36.74	4.98	52.78	57.75	0.38	47.19	50.13	49.42	0.88		
2/22/2023	2/28/2023	39	21.22	2.96	24.03	26.99	0.09	0.75	1.53	0.93	0.78	21.22	2.96	24.03	26.99	0.09	0.75	1.53	0.93	0.78		
3/1/2023	3/7/2023	40	31.86	4.26	41.41	45.66	0.12	3.59	4.85	1.81	1.25	31.86	4.26	41.41	45.66	0.12	2.38	3.63	1.68	1.25		
3/8/2023	3/14/2023	41	36.17	4.62	46.94	51.56	0.14	3.99	5.37	2.05	1.38	36.17	4.62	46.94	51.56	0.14	2.78	4.16	1.92	1.38		
3/15/2023	3/21/2023	42	19.92	2.48	22.21	24.69	0.07	0.89	1.61	0.91	0.72	19.92	2.48	22.21	24.69	0.07	0.89	1.61	0.91	0.72		
3/22/2023	3/28/2023	43	19.92	2.48	22.21	24.69	0.07	0.89	1.61	0.91	0.72	19.92	2.48	22.21	24.69	0.07	0.89	1.61	0.91	0.72		
3/29/2023	4/4/2023	44	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59		
4/5/2023	4/11/2023	45	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59		
4/12/2023	4/18/2023	46	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59		
4/19/2023	4/25/2023	47	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59		
4/26/2023	5/2/2023	48	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59		
5/3/2023	5/9/2023	49	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59		
5/10/2023	5/16/2023	50	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59		
5/17/2023	5/23/2023	51	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59		
5/24/2023	5/30/2023	52	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59	15.72	2.13	16.90	19.03	0.06	0.54	1.12	0.69	0.59		
5/31/2023	6/6/2023	53	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59		
6/7/2023	6/13/2023	54	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59		
6/14/2023	6/20/2023	55	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59		
6/21/2023	6/27/2023	56	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59		
6/28/2023	7/4/2023	57	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59		
7/5/2023	7/11/2023	58	15.42	2.09	16.65	18.74	0.06	0.43	1.02	0.66	0.59	15.42										

Preliminary Construction Activity and Schedule for the Proposed Project

Project Phase	Task	PEA Estimated Work Dates*	Data Request 5 Estimated Work Dates*	Revised Estimated Work Dates*	PEA Estimated Work Months	Data Request 5 Estimated Work Months	Revised Estimated Work Months
Estrella Substation							
Substation Site	Site Work Area Preparation Grading Entrance Road Culverts Mobilization	November– December 2018	--	September– October 2022	Month 1–2 (2 months)	--	Month 4–5 (2 months)
	Access Roads	November 2018	--	September 2022	Month 1 (1 month)	--	Month 4 (1 month)
	Fence and Gate Installation	December 2018	--	October 2022	Month 2 (1 month)	--	Month 5 (1 month)
230 kV Substation	Foundation Construction	December– January 2019	--	October– November 2022	Month 2–3 (2 months)	--	Month 5–6 (2 months)
	Ground Grid / Conduit Installation	January– February 2019	--	November– December 2022	Month 3–4 (2 months)	--	Month 6–7 (2 months)
	Steel / Bus Erection	February 2019	--	December 2022–January 2023	Month 4 (1 month)	--	Month 7–8 (2 months)
	Install Yard Rock	February– March 2019	--	December 2022–January 2023	Month 4–5 (2 months)	--	Month 7–8 (2 months)
	Transformer and Equipment Delivery and Installation	February– March 2019	--	January– February 2023	Month 4–5 (2 months)	--	Month 8–9 (2 months)
	Control Enclosure Delivery and Install	March 2019	--	January 2023	Month 5 (1 month)	--	Month 8 (1 month)

Preliminary Construction Activity and Schedule for the Proposed Project

Project Phase	Task	PEA Estimated Work Dates*	Data Request 5 Estimated Work Dates*	Revised Estimated Work Dates*	PEA Estimated Work Months	Data Request 5 Estimated Work Months	Revised Estimated Work Months
230 kV Substation (cont.)	Equipment Delivery and Install	March–April 2019	--	January–February 2023	Month 5–6 (2 months)	--	Month 8–9 (2 months)
	Cable Installation and Termination	March–April 2019	--	February 2023	Month 5–6 (2 months)	--	Month 9 (1 month)
	Testing and Commissioning	April–May 2019	--	February–March 2023	Month 6–7 (2 months)	--	Month 9–10 (2 months)
	Cable Installation and Termination	March–April 2019	--	February 2023	Month 5–6 (2 months)	--	Month 9 (1 month)
	Testing and Commissioning	April–May 2019	--	February–March 2023	Month 6–7 (2 months)	--	Month 9–10 (2 months)
	Cleanup and Restoration	May 2019	--	March 2023	Month 7 (1 month)	--	Month 10 (1 month)
70 kV Substation	Mobilization	--	--	October 2022	--	--	Month 5 (1 month)
	Foundation Construction	December–January 2019	--	November–December 2022	Month 2–3 (2 months)	--	Month 6–7 (2 months)
	Ground Grid / Conduit Installation	December–January 2019	--	November–December 2022	Month 2–3 (2 months)	--	Month 6–7 (2 months)
	Steel / Bus Erection	January–February 2019	--	January 2023	Month 3–4 (2 months)	--	Month 8 (1 month)

Preliminary Construction Activity and Schedule for the Proposed Project

Project Phase	Task	PEA Estimated Work Dates*	Data Request 5 Estimated Work Dates*	Revised Estimated Work Dates*	PEA Estimated Work Months	Data Request 5 Estimated Work Months	Revised Estimated Work Months
70 kV Substation (cont.)	Control Enclosure Delivery and Install	February 2019	--	February 2023	Month 4 (1 month)	--	Month 9 (1 month)
	Equipment Delivery and Installation	February 2019	--	February 2023	Month 4 (1 month)	--	Month 9 (1 month)
	Cable Installation and Termination	February– March 2019	--	February– March 2023	Month 4–5 (2 months)	--	Month 9–10 (2 months)
	Install Yard Rock	March 2019	--	March 2023	Month 5 (1 month)	--	Month 10 (1 month)
	Cleanup and Restoration	March 2019	--	March 2023	Month 5 (1 month)	--	Month 10 (1 month)
	Testing and Commissioning	April 2019	--	April–May 2023	Month 6 (1 month)	--	Month 11–12 (2 months)
230 kV Transmission Interconnection	Site Work Area Preparation Mobilization	--	--	June 2022	--	--	Month 1 (1 month)
	Foundation Tower Installation / Removal of One Tower	December– January 2019	--	June–August 2022	Month 2–3 (2 months)	--	Month 1–7 (3 months)
	Conductor	February 2019	--	January 2023	Month 4 (1 month)	--	Month 8 (1 month)
	Cleanup and Restoration	March 2019	--	February 2023	Month 5 (1 month)	--	Month 9 (1 month)

Preliminary Construction Activity and Schedule for the Proposed Project

Project Phase	Task	PEA Estimated Work Dates*	Data Request 5 Estimated Work Dates*	Revised Estimated Work Dates*	PEA Estimated Work Months	Data Request 5 Estimated Work Months	Revised Estimated Work Months
Power Line Route							
New 70 kV Power Line Segment	Site Work Area Preparation Mobilization	November 2018	March 2023	March 2023	Month 1 (1 month)	Month 8 (1 month)	Month 10 (1 month)
	Pole Installation / Transfer / Distribution	December– February 2019	April– November 2023	March– November 2023	Month 2–4 (3 months)	Month 9–16 (8 months)	Month 10–18 (9 months)
	Conductor Installation	March–April 2019	December 2023– January 2024	November 2023–January 2024	Month 5–6 (2 months)	Month 17–18 (2 months)	Month 18–20 (3 months)
	Cleanup and Restoration	May 2019	February 2024	February 2024	Month 7 (1 month)	Month 19 (1 month)	Month 21 (1 month)
Reconductoring Segment	Site Work Area Preparation Mobilization	November 2018	August 2022	August 2022	Month 1 (1 month)	Month 1 (1 month)	Month 3 (1 month)
	Pole Installation / Transfer / Distribution / Removal	December– February 2019	September 2022– February 2023	August 2022– February 2023	Month 2–4 (3 months)	Month 2–7 (6 months)	Month 3–9 (7 months)
	Conductor Installation	March–April 2019	October 2022– February 2023	October 2022– February 2023	Month 5–6 (2 months)	Month 3–7 (6 months)	Month 5–9 (5 months)
	Cleanup and Restoration	May 2019	March 2023	March 2023	Month 7 (1 month)	Month 8 (1 month)	Month 10 (1 month)

Notes: This table is preliminary and subject to change based on CPUC requirements, final engineering, and other factors.

* Dates are provided for duration estimates.

Table 1: Helicopter Combustion Emissions

Phase	Helicopter Type	Activity			Emissions (lb/day)								(tons/project or MT/project) ³					
		Number of Days	Hours Per day (excluding LTOs) ¹	Number of LTOs per day	fuel kg/day	CO	NOX	ROG ²	PM ₁₀ /PM _{2.5}	SOx	CO2	fuel use per project MT/project	CO	NOX	ROG ²	PM10/PM2.5	SOx	CO2
Reconducting Segment Pole Installation Transfer Distribution Pole Removal	Sikorsky S92A	5	2.1	14	1,385.30	11.86	24.85	1.60	2.06	3.58	9,635.57	6.93	0.03	0.06	0.00	0.01	0.009	21.85
70 kV Power Line Conductor Installation	MD 520N	6	4.0	10	1,153.89	3.96	30.17	0.39	0.34	2.98	8,025.95	6.92	0.01	0.09	0.00	0.0010	0.0089	21.84

¹ Hours operating per day excluding landing take off (LTOs) was derived by the project's projected total operating time minus the hovering time associated with planned activities. To be conservative, the climb out operating time is based on the total LTO mode operation times from FOCA data which is more in line with AEDT defaults.

² ROG is based on AEDT VOC emission factors.

³ Criteria pollutants are in terms of tons per project (CO, NOX, ROG, PM10 and PM2.5 and GHG pollutants (CO2 are in metric tons (MT)

Table 2: Helicopter Fuel Consumption and Emission Factors

Helicopter Type	Engine Name	Engine Max SHP	Number of Engines	Takeoff shaft HP per engine ¹	Climbout Engine Power Percentage	Climb Out Operating Time (seconds) ²	Climbout Fuel Consumption (kg/second) ¹	Climbout Emission Factors (g/pollutant per kg fuel) ³						Cruising Fuel Consumption ³	Cruising Emission Factors g/hour ³							
								CO EF	NOX EF	VOC EF	PM EF	SOx	CO2 EF		kg/hr	CO EF	NOX EF	VOC EF	PM EF	SOx ⁴	CO2 EF	
Sikorsky S92A	GE CT7-8A	2740	2	2329	85	810	0.07	3.91	8.10	0.52	0.40	1.17	3,155.00	263.09	1,009.53	2,157.52	139.08	290.88	308.14	830,061.26		
Total LTO Cycle Values							60.11	235.13	486.75	31.41	23.83	70.40	189,654.40									
Helicopter Type	Engine Name	Engine Max SHP	Number of Engines	Takeoff shaft HP per engine ¹	Climbout Engine Power Percentage	Climb Out Operating Time (seconds) ²	Climbout Fuel Consumption (kg/second) ¹	Climbout Emission Factors (g/pollutant per kg fuel) ³						Cruising Fuel Consumption ³	Cruising Emission Factors g/hour ³							
MD 520N	DDA250-C20	400	1	340	85	810	0.05	1.59	11.76	0.15	0.18	1.17	3,155.00		184.12	283.47	2,193.89	28.31	19.31	215.64	580,888.41	
Total LTO Cycle Values							41.74	66.20	490.79	6.35	7.53	48.88	131,695.50									

¹ Takeoff shaft hp per engine is based on Takeoff% power equal to 85% to be consistent with AEDT default. Fuel consumption is based on FOCA data for TO_FF per engine in order to be consistent with AEDT guidance to use climbout emission factors based on 85% engine power.

² Based on the FOCA data for time in LTO modes (summed). This estimate is in line with AEDT default climbout operating time of 887 seconds.

³ Based on either AEDT results where available or the available FOCA data for the specific make/model of units. Note that the MD 520N Arrival/Departure profile is not available in AEDT 3c for Paso Robles Airport, so a similar sized, single-engine aircraft was modeled. PM10 emission factors are taken from FOCA data since AEDT results are zero.

Table 3: Fugitive Dust Emissions From Helicopters

Phase	Helicopter Type	Number of Days	Number of LTOs per day	PM Emission Factor (kg/LTO) ¹	Daily PM (lb/day)	Total Project PM (ton/yr)
Reconducting Segment Pole Installation Transfer Distribution Pole Removal	Sikorsky S92A	5	14	1.5	46.30	0.12
70 kV Power Line Conductor Installation	MD 520N	6	10	1.5	33.07	0.10

¹ Emission factor for fugitive dust for helicopters is based on Gillies et al. 2007 which states that fugitive dust during LTOs include 0.5 kg per take off and 1 kg per landing.

AEDT Methodology

The AEDT version 3c model metric results for air quality are based on running 14 arrivals and 14 takeoff operations by a Sikorsky S-92A model aircraft and 10 arrivals and 10 takeoffs by an Aerospatiale SA-350D Astar (AS-350). The Aerospatiale model was modeled in lieu of the MD-520 model aircraft since AEDT does not have an operational arrival and departure profiles for the MD520. The Aerospatial SA-350D is of similar size and weight and is also a one-engine aircraft. The model inputs are based on departure/arrival at the helipad at the Paso Robles Airport as the landing/takeoff site based on default airport characteristics. This is used as a proxy for a landing zone site associated with the project.

The results of the model include total fuel use and emissions for each operation group (e.g., 14 arrivals/14 departures from Sikorsky S-92A and 10 arrivals/10 departures for the Aerospatial SA-350D). In order to populate the emissions for the landing take offs (LTOs), the fuel use in kilograms (kg) per second (kg/s) is derived from the climb ground phase of operation. To determine fuel usage during full flight, the full flight fuel use in kg/s was derived from the AEDT results. Similarly, each emission factor is derived for the LTOs and full flight from the grams of emissions per kilogram of fuel from the AEDT results based on the total emissions from each operation group divided by the fuel use during the appropriate phase of operation.

The total emissions per day are based on the AEDT fuel use during “Ground climb phase” in kg/second multiplied by an assumed climb out operating time of 810 seconds (from FOCA data). The fuel use per LTO is then multiplied by the g/pollutant per kilogram fuel emission factor during “ground climb”. Note that particulate matter (PM) emissions in AEDT were zero, thus the FOCA emission factors for PM were substituted to be conservative. This result is added to the full flight fuel consumption in kg/hour (calculated from AEDT’s “full flight” fuel use) multiplied by the grams pollutant/kg fuel during full flight for each pollutant.

Essentially, to calculate emissions, the most recent AEDT version 3c model fuel use and emission results for arrivals and departures for the modeled units were applied to the Proposed Project specific LTO and cruising details from Attachment 4 (Helicopter Noise Analysis).

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	7,144.00	1000sqft	164.00	7,144,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The total area in power line the easement widths, substation temp disturbance, areas for temporary staging and access roads outside of the easement equals approximately 164 acres or a 7,144,000 square feet area

Construction Phase - Based on project schedule and description

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

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Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on equipment roster for the project.

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

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Off-road Equipment - Based on construction schedule

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Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

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Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Trips and VMT - Based on equipment roster and schedule provided

On-road Fugitive Dust - Per the user guide 9.3% silt content should be used for the San Luis Obispo region

Grading - Based on grading and material movement for the project.

Vehicle Trips - Unmanned operation

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products - No consumer product utilization was assumed for the project

Area Coating - No architectural coating is assumed for the project

Energy Use - Energy intensity factors scaled down to match the area occupied by the 230kV Substation Control Enclosure approximately 14 feet wide, 48 feet long, and the 70 kV Substation Control Enclosure approximately 16 feet wide and 64 feet long.

Water And Wastewater - Unmanned facility - No water use is expected

Solid Waste - No solid waste generation is expected

Construction Off-road Equipment Mitigation - At a minimum, the off-road equipment fleet shall meet the CARB off-road emissions average for that calendar year and ensure that quarterly DPM emissions are less than the SLOPCAPCD significance thresholds.

Operational Off-Road Equipment - Assumes monthly inspections and an annual maintenance on the substation components. Helicopter emissions are represented as Other general industrial equipment with hp increased to 400

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	3572000	0
tblAreaCoating	Area_Nonresidential_Interior	10716000	0
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstructionPhase	NumDays	3,100.00	6.00
tblConstructionPhase	NumDays	3,100.00	6.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblEnergyUse	NT24NG	6.67	0.01
tblEnergyUse	T24E	1.48	0.01
tblEnergyUse	T24NG	19.71	0.01
tblGrading	AcresOfGrading	36.00	27.00
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tblGrading	AcresOfGrading	9.00	18.00
tblGrading	AcresOfGrading	4.50	9.00
tblGrading	MaterialExported	0.00	828.00
tblGrading	MaterialImported	0.00	3,140.00
tblOffRoadEquipment	HorsePower	63.00	62.00
tblOffRoadEquipment	HorsePower	63.00	62.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		230-kV Substation Steel Bus Erection
tblOffRoadEquipment	PhaseName		70-kV Substation Steel Bus Erection
tblOffRoadEquipment	PhaseName		70-kV Substation Equip Delivery & Installation
tblOffRoadEquipment	PhaseName		230-kV Substation Cable Installation and Termination
tblOffRoadEquipment	PhaseName		70-kV Substation Foundation Construction
tblOffRoadEquipment	PhaseName		230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName		Reconductoring Segment Pole Installation Transfer Distribution Pole Removal
tblOffRoadEquipment	PhaseName		230-kV Substation Foundation Construction
tblOffRoadEquipment	PhaseName		70-kV Substation Mobilization
tblOffRoadEquipment	PhaseName		230-kV Transmission Site Clean-up and Restoration
tblOffRoadEquipment	PhaseName		70-kV Power Line Site Development Mobilization

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblOffRoadEquipment	PhaseName	Reconductoring Segment Clean-up and Restoration
tblOffRoadEquipment	PhaseName	Reconductoring Segment Site Development Mobilization
tblOffRoadEquipment	PhaseName	70-kV Power Line Clean-up and Restoration
tblOffRoadEquipment	PhaseName	230-kV Substation Steel Bus Erection
tblOffRoadEquipment	PhaseName	230-kV Substation Install Yard Rock
tblOffRoadEquipment	PhaseName	70-kV Substation Steel Bus Erection
tblOffRoadEquipment	PhaseName	230-kV Substation Transformer & Equip Delivery & Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Transformer & Equip Delivery & Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Remaining Equipment Delivery and Install
tblOffRoadEquipment	PhaseName	230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName	230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName	230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName	230-kV Transmission Conductor
tblOffRoadEquipment	PhaseName	230-kV Transmission Conductor
tblOffRoadEquipment	PhaseName	70-kV Substation Equip Delivery & Installation
tblOffRoadEquipment	PhaseName	70-kV Substation Control Enclosure Delivery and Install
tblOffRoadEquipment	PhaseName	230-kV Substation Testing and Commissioning
tblOffRoadEquipment	PhaseName	70-kV Substation Cable Installation and Termination
tblOffRoadEquipment	PhaseName	70-kV Power Line Pole Tower Installation
tblOffRoadEquipment	PhaseName	70-kV Power Line Pole Tower Installation
tblOffRoadEquipment	PhaseName	70-kV Substation Install Yard Rock
tblOffRoadEquipment	PhaseName	70-kV Cleanup and Restoration
tblOffRoadEquipment	PhaseName	70-kV Substation Testing and Commissioning

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Pole Installation Transfer Distribution Pole Removal
tblOffRoadEquipment	PhaseName	Reconductoring Segment Pole Installation Transfer Distribution Pole Removal
tblOffRoadEquipment	PhaseName	230-kV Substation Access Roads
tblOffRoadEquipment	PhaseName	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization
tblOffRoadEquipment	PhaseName	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Cleanup and Restoration
tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization
tblOffRoadEquipment	PhaseName	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization
tblOffRoadEquipment	PhaseName	230-kV Substation Install Yard Rock
tblOffRoadEquipment	PhaseName	70-kV Substation Install Yard Rock

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblOffRoadEquipment	PhaseName		230-kV Substation Fence and Gate Installation
tblOffRoadEquipment	PhaseName		70-kV Substation Foundation Construction
tblOffRoadEquipment	PhaseName		70-kV Substation Ground Grid Conduit Installation
tblOffRoadEquipment	PhaseName		230-kV Substation Ground Grid Conduit Installation
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	5.30
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	1.00
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tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	0.50
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	6.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	13.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	12.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	2.00
tblOperationalOffRoadEquipment	OperHorsePower	88.00	400.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblSolidWaste	SolidWasteGenerationRate	8,858.56	0.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	0.91
tblTripsAndVMT	VendorTripLength	5.00	1.20
tblTripsAndVMT	VendorTripLength	5.00	8.68
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.15
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.34
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
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tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
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tblTripsAndVMT	VendorTripLength	5.00	13.00
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tblTripsAndVMT	VendorTripNumber	0.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	1,171.00	13.00
tblTripsAndVMT	VendorTripNumber	1,171.00	9.00
tblTripsAndVMT	VendorTripNumber	1,171.00	29.00
tblTripsAndVMT	VendorTripNumber	1,171.00	30.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblTripsAndVMT	VendorTripNumber	1,171.00	45.00
tblTripsAndVMT	VendorTripNumber	1,171.00	9.00
tblTripsAndVMT	VendorTripNumber	1,171.00	30.00
tblTripsAndVMT	VendorTripNumber	1,171.00	2.00
tblTripsAndVMT	VendorTripNumber	1,171.00	28.00
tblTripsAndVMT	VendorTripNumber	1,171.00	12.00
tblTripsAndVMT	VendorTripNumber	1,171.00	11.00
tblTripsAndVMT	VendorTripNumber	1,171.00	12.00
tblTripsAndVMT	VendorTripNumber	1,171.00	2.00
tblTripsAndVMT	VendorTripNumber	1,171.00	9.00
tblTripsAndVMT	VendorTripNumber	1,171.00	3.00
tblTripsAndVMT	VendorTripNumber	1,171.00	26.00
tblTripsAndVMT	VendorTripNumber	1,171.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	1,171.00	15.00
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tblTripsAndVMT	VendorTripNumber	1,171.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	29.00
tblTripsAndVMT	VendorTripNumber	1,171.00	2.00
tblTripsAndVMT	VendorTripNumber	1,171.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	1,171.00	13.00
tblTripsAndVMT	VendorTripNumber	0.00	33.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	1,171.00	30.00
tblTripsAndVMT	VendorTripNumber	1,171.00	10.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblTripsAndVMT	VendorTripNumber	1,171.00	31.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	7.68
tblTripsAndVMT	WorkerTripLength	13.00	8.45
tblTripsAndVMT	WorkerTripLength	13.00	8.45
tblTripsAndVMT	WorkerTripLength	13.00	9.15
tblTripsAndVMT	WorkerTripLength	13.00	9.56
tblTripsAndVMT	WorkerTripLength	13.00	8.97
tblTripsAndVMT	WorkerTripLength	13.00	7.34
tblTripsAndVMT	WorkerTripLength	13.00	8.52
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	7.68
tblTripsAndVMT	WorkerTripLength	13.00	9.23
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	6.79
tblTripsAndVMT	WorkerTripLength	13.00	6.72
tblTripsAndVMT	WorkerTripLength	13.00	8.68
tblTripsAndVMT	WorkerTripLength	13.00	8.25
tblTripsAndVMT	WorkerTripLength	13.00	8.15
tblTripsAndVMT	WorkerTripLength	13.00	7.67
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	7.68
tblTripsAndVMT	WorkerTripLength	13.00	8.14

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblTripsAndVMT	WorkerTripLength	13.00	8.45
tblTripsAndVMT	WorkerTripLength	13.00	8.56
tblTripsAndVMT	WorkerTripLength	13.00	9.18
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tblTripsAndVMT	WorkerTripLength	13.00	7.85
tblTripsAndVMT	WorkerTripLength	13.00	5.87
tblTripsAndVMT	WorkerTripLength	13.00	7.50
tblTripsAndVMT	WorkerTripLength	13.00	8.38
tblTripsAndVMT	WorkerTripNumber	5.00	22.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	22.00
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tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
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tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	9.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	30.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	38.00
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tblTripsAndVMT	WorkerTripNumber	3,000.00	10.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
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tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	5.00	8.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	32.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	38.00
tblTripsAndVMT	WorkerTripNumber	10.00	24.00
tblTripsAndVMT	WorkerTripNumber	30.00	26.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	28.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	22.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	1,652,050,000.00	0.00

2.0 Emissions Summary

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	11.8422	110.4933	77.2514	0.2800	8.4664	3.9120	12.3784	3.7790	3.6004	7.3794	0.0000	27,421.4854	27,421.4854	7.9074	0.0000	27,619.1696
2023	9.7336	81.3116	67.7871	0.2547	3.9882	2.8194	5.3724	0.7733	2.6007	3.0068	0.0000	24,904.6116	24,904.6116	7.0316	0.0000	25,080.4017
2024	2.4896	20.6289	17.1270	0.0597	0.5937	0.7958	1.1246	0.0968	0.7322	0.8221	0.0000	5,829.9182	5,829.9182	1.7066	0.0000	5,872.5819
Maximum	11.8422	110.4933	77.2514	0.2800	8.4664	3.9120	12.3784	3.7790	3.6004	7.3794	0.0000	27,421.4854	27,421.4854	7.9074	0.0000	27,619.1696

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	11.8422	110.4933	77.2514	0.2800	4.0505	3.9120	7.9625	1.6790	3.6004	5.2794	0.0000	27,421.4854	27,421.4854	7.9074	0.0000	27,619.1696
2023	9.7336	81.3116	67.7871	0.2547	2.7752	2.8194	4.3000	0.6423	2.6007	3.0068	0.0000	24,904.6116	24,904.6116	7.0316	0.0000	25,080.4017
2024	2.4896	20.6289	17.1270	0.0597	0.3511	0.7958	1.1246	0.0899	0.7322	0.8221	0.0000	5,829.9182	5,829.9182	1.7066	0.0000	5,872.5818
Maximum	11.8422	110.4933	77.2514	0.2800	4.0505	3.9120	7.9625	1.6790	3.6004	5.2794	0.0000	27,421.4854	27,421.4854	7.9074	0.0000	27,619.1696

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	45.00	0.00	29.08	48.14	0.00	18.74	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Energy	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.8750	6.0932	5.9132	0.0250		0.2146	0.2146		0.1974	0.1974		2,414.7318	2,414.7318	0.7810		2,434.2562
Total	153.8280	6.1382	6.6737	0.0252	0.0000	0.2201	0.2201	0.0000	0.2029	0.2029		2,462.3485	2,462.3485	0.7859	8.4000e-004	2,482.2486

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Energy	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.8750	6.0932	5.9132	0.0250		0.2146	0.2146		0.1974	0.1974		2,414.7318	2,414.7318	0.7810		2,434.2562
Total	153.8280	6.1382	6.6737	0.0252	0.0000	0.2201	0.2201	0.0000	0.2029	0.2029		2,462.3485	2,462.3485	0.7859	8.4000e-004	2,482.2486

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	230-kV Transmission Site Work Area Preparation Mobilization	Site Preparation	6/1/2022	6/14/2022	6	12	
2	230-kV Transmission Foundation Tower Installation Remove two towers	Building Construction	6/15/2022	8/9/2022	6	48	
3	Reconductoring Segment Site Development Mobilization	Site Preparation	8/1/2022	8/13/2022	6	12	

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4	Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Building Construction	8/15/2022	2/18/2023	6	144
5	230-kV Substation Access Roads	Site Preparation	9/1/2022	9/14/2022	6	12
6	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Grading	9/15/2022	10/12/2022	6	24
7	230-kV Substation Fence and Gate Installation	Building Construction	10/8/2022	10/21/2022	6	12
8	Reconductoring Segment Conductor Installation	Building Construction	10/10/2022	2/28/2023	6	120
9	230-kV Substation Foundation Construction	Building Construction	10/15/2022	11/25/2022	6	36
10	70-kV Substation Mobilization	Site Preparation	10/18/2022	10/30/2022	6	12
11	70-kV Substation Foundation Construction	Building Construction	11/1/2022	12/31/2022	6	48
12	70-kV Substation Ground Grid Conduit Installation	Building Construction	11/1/2022	12/31/2022	6	48
13	230-kV Substation Ground Grid Conduit Installation	Building Construction	11/15/2022	12/12/2022	6	24
14	230-kV Substation Steel Bus Erection	Building Construction	12/9/2022	1/5/2023	6	24
15	230-kV Substation Install Yard Rock	Building Construction	12/23/2022	1/12/2023	6	18
16	70-kV Substation Steel Bus Erection	Building Construction	1/1/2023	1/31/2023	6	24
17	230-kV Substation Transformer & Equip Delivery & Installation	Building Construction	1/2/2023	2/4/2023	6	30
18	230-kV Substation Control Enclosure Delivery and Install	Building Construction	1/6/2023	1/19/2023	6	12
19	230-kV Substation Remaining Equipment Delivery and Install	Building Construction	1/13/2023	2/11/2023	6	24
20	230-kV Transmission Conductor	Building Construction	1/25/2023	1/31/2023	6	6
21	70-kV Substation Equip Delivery & Installation	Building Construction	2/1/2023	2/21/2023	6	18
22	70-kV Substation Control Enclosure Delivery and Install	Building Construction	2/1/2023	2/7/2023	6	6
23	230-kV Transmission Site Clean-up and Restoration	Building Construction	2/1/2023	2/7/2023	6	6
24	230-kV Substation Cable Installation and Termination	Building Construction	2/1/2023	2/14/2023	6	12

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25	230-kV Substation Testing and Commissioning	Building Construction	2/11/2023	3/17/2023	6	30
26	70-kV Substation Cable Installation and Termination	Building Construction	2/22/2023	3/14/2023	6	18
27	70-kV Power Line Site Development Mobilization	Site Preparation	3/1/2023	3/14/2023	6	12
28	Reconductoring Segment Clean-up and Restoration	Site Preparation	3/1/2023	3/14/2023	6	12
29	70-kV Power Line Pole Tower Installation	Building Construction	3/1/2023	11/30/2023	6	216
30	70-kV Substation Install Yard Rock	Building Construction	3/1/2023	3/14/2023	6	12
31	230-kV Substation Cleanup and Restoration	Site Preparation	3/11/2023	3/31/2023	6	18
32	70-kV Cleanup and Restoration	Site Preparation	3/15/2023	3/28/2023	6	12
33	70-kV Substation Testing and Commissioning	Building Construction	4/1/2023	5/31/2023	6	48
34	70-kV Power Line Conductor Installation	Building Construction	11/1/2023	1/31/2024	6	72
35	70-kV Power Line Clean-up and Restoration	Site Preparation	2/1/2024	2/14/2024	6	12

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
230-kV Transmission Site Work Area Preparation Mobilization	Graders	1	6.00	187	0.41
230-kV Transmission Site Work Area Preparation Mobilization	Tractors/Loaders/Backhoes	1	6.00	97	0.37
230-kV Transmission Foundation Tower Installation Remove two towers	Bore/Drill Rigs	1	1.00	221	0.50
230-kV Transmission Foundation Tower Installation Remove two towers	Cranes	3	5.30	231	0.29

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230-kV Transmission Foundation Tower Installation Remove two towers	Forklifts	3	2.60	89	0.20
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	2	3.50	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	1	0.80	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	2	2.60	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Tractors/Loaders/Backhoes	1	0.50	97	0.37
Reconductoring Segment Site Development Mobilization	Graders	1	6.00	187	0.41
Reconductoring Segment Site Development Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Bore/Drill Rigs	1	6.00	221	0.50
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Cranes	3	6.00	231	0.29
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Cranes	1	1.00	231	0.29
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Off-Highway Trucks	2	3.00	402	0.38
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Off-Highway Trucks	2	2.00	402	0.38
230-kV Substation Access Roads	Off-Highway Trucks	2	8.00	402	0.38
230-kV Substation Access Roads	Tractors/Loaders/Backhoes	2	8.00	97	0.37
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Graders	1	8.00	187	0.41
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Off-Highway Trucks	4	10.00	402	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Off-Highway Trucks	2	10.00	402	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rollers	2	8.00	80	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rubber Tired Dozers	1	8.00	247	0.40
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rubber Tired Loaders	1	8.00	203	0.36

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230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Scrapers	1	8.00	367	0.48
230-kV Substation Fence and Gate Installation	Skid Steer Loaders	1	4.00	65	0.37
Reconductoring Segment Conductor Installation	Forklifts	1	3.00	89	0.20
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	4.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	1	6.00	402	0.38
Reconductoring Segment Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
Reconductoring Segment Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
230-kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
230-kV Substation Foundation Construction	Cranes	1	5.00	231	0.29
230-kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	5.00	97	0.37
70-kV Substation Mobilization	Graders	1	4.00	187	0.41
70-kV Substation Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
70-kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70-kV Substation Foundation Construction	Trenchers	1	8.00	78	0.50
70-kV Substation Ground Grid Conduit Installation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70-kV Substation Ground Grid Conduit Installation	Trenchers	1	6.00	78	0.50
230-kV Substation Ground Grid Conduit Installation	Trenchers	1	8.00	78	0.50
230-kV Substation Steel Bus Erection	Aerial Lifts	1	6.00	62	0.31
230-kV Substation Steel Bus Erection	Off-Highway Trucks	1	8.00	402	0.38
230-kV Substation Install Yard Rock	Off-Highway Trucks	1	10.00	402	0.38

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230-kV Substation Install Yard Rock	Skid Steer Loaders	1	10.00	65	0.37
70-kV Substation Steel Bus Erection	Aerial Lifts	2	8.00	62	0.31
70-kV Substation Steel Bus Erection	Off-Highway Trucks	2	6.00	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Generator Sets	1	5.00	84	0.74
230-kV Substation Transformer & Equip Delivery & Installation	Off-Highway Trucks	2	10.00	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Off-Highway Trucks	1	4.80	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230-kV Substation Control Enclosure Delivery and Install	Cranes	1	6.00	231	0.29
230-kV Substation Remaining Equipment Delivery and Install	Off-Highway Trucks	1	6.00	402	0.38
230-kV Transmission Conductor	Cranes	3	6.00	231	0.29
230-kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230-kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
70-kV Substation Equip Delivery & Installation	Aerial Lifts	2	4.00	62	0.31
70-kV Substation Equip Delivery & Installation	Off-Highway Trucks	1	5.30	402	0.38
70-kV Substation Control Enclosure Delivery and Install	Off-Highway Trucks	0	0.00	402	0.38
230-kV Transmission Site Clean-up and Restoration	Graders	1	8.00	187	0.41
230-kV Transmission Site Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230-kV Substation Cable Installation and Termination	Aerial Lifts	1	8.00	62	0.31
230-kV Substation Testing and Commissioning	Off-Highway Trucks	0	0.00	402	0.38
70-kV Substation Cable Installation and Termination	Off-Highway Trucks	0	0.00	402	0.38
70-kV Power Line Site Development Mobilization	Graders	2	6.00	187	0.41
70-kV Power Line Site Development Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Segment Clean-up and Restoration	Graders	1	6.00	187	0.41

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Reconductoring Segment Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Power Line Pole Tower Installation	Cranes	1	4.00	231	0.29
70-kV Power Line Pole Tower Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Pole Tower Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Pole Tower Installation	Tractors/Loaders/Backhoes	2	4.00	97	0.37
70-kV Power Line Pole Tower Installation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Substation Install Yard Rock	Off-Highway Trucks	1	8.00	402	0.38
70-kV Substation Install Yard Rock	Skid Steer Loaders	1	8.00	65	0.37
70-kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230-kV Substation Cleanup and Restoration	Other General Industrial Equipment	1	6.00	88	0.34
230-kV Substation Cleanup and Restoration	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70-kV Cleanup and Restoration	Off-Highway Trucks	0	0.00	402	0.38
70-kV Substation Testing and Commissioning	Off-Highway Trucks	0	0.00	402	0.38
70-kV Power Line Conductor Installation	Cranes	3	6.00	231	0.29
70-kV Power Line Conductor Installation	Forklifts	1	3.00	89	0.20
70-kV Power Line Conductor Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Conductor Installation	Off-Highway Trucks	1	6.00	402	0.38
70-kV Power Line Conductor Installation	Off-Highway Trucks	2	2.00	402	0.38
70-kV Power Line Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
70-kV Power Line Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
70-kV Power Line Clean-up and Restoration	Graders	1	6.00	187	0.41
70-kV Power Line Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
230-kV Transmission Site Work Area Prepar	2	22.00	11.00	104.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Transmission Foundation Tower Insta	13	30.00	12.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Site Develop	2	18.00	10.00	0.00	7.67	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Pole Installati	9	38.00	13.00	0.00	6.32	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Access Roads	4	24.00	33.00	0.00	8.45	1.90	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Site Prep Grading Entrance	12	26.00	30.00	393.00	7.85	1.20	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Fence and Gate Install	1	18.00	30.00	0.00	5.87	1.85	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Conductor In	10	28.00	10.00	0.00	7.50	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Foundation Constructio	3	22.00	31.00	0.00	8.38	1.85	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Mobilization	2	16.00	6.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Foundation Constructio	3	22.00	13.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Ground Grid Conduit In	2	12.00	9.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Ground Grid Conduit In	1	12.00	29.00	0.00	9.15	0.91	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Steel Bus Erection	2	12.00	30.00	0.00	9.56	1.20	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Install Yard Rock	2	18.00	45.00	0.00	8.97	8.68	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Steel Bus Erection	4	14.00	9.00	0.00	7.34	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Transformer & Equip D	5	18.00	30.00	0.00	8.52	1.15	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Control Enclosure Deliv	1	12.00	2.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Remaining Equipment	1	9.00	28.00	0.00	10.00	1.34	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Transmission Conductor	7	38.00	11.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Equip Delivery & Install	3	16.00	12.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Control Enclosure Deliv	0	12.00	2.00	0.00	9.23	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Transmission Site Clean-up and Rest	2	14.00	9.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Cable Installation and T	1	10.00	3.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Testing and Commissi	0	12.00	26.00	0.00	6.79	13.00	20.00	LD_Mix	HDT_Mix	HHDT

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70-kV Substation Cable Installation and T	0	12.00	3.00	0.00	6.72	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Site Development Mobilizati	3	20.00	10.00	0.00	8.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring	2	16.00	5.00	0.00	8.25	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Segment Clean up and										
70-kV Power Line Pole Tower Installation	10	41.00	15.00	0.00	8.15	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Install Yard Back	3	12.00	16.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Cleanup and Restoration	2	8.00	29.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Cleanup and Restoration	0	10.00	0.00	0.00	8.14	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Testing and Commissi	0	12.00	2.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Conductor Installation	12	32.00	10.00	0.00	8.56	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Clean up and Restorati	2	16.00	7.00	0.00	9.18	13.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 230-kV Transmission Site Work Area Preparation Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8081	0.0000	0.8081	0.0878	0.0000	0.0878			0.0000			0.0000
Off-Road	0.4348	5.1999	2.9698	7.3000e-003		0.1930	0.1930		0.1776	0.1776		706.8884	706.8884	0.2286		712.6040
Total	0.4348	5.1999	2.9698	7.3000e-003	0.8081	0.1930	1.0011	0.0878	0.1776	0.2654		706.8884	706.8884	0.2286		712.6040

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3.2 230-kV Transmission Site Work Area Preparation Mobilization - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0650	2.2878	0.5415	6.6800e-003	0.1514	9.0900e-003	0.1604	0.0415	8.7000e-003	0.0502		722.6477	722.6477	0.0421		723.6996
Vendor	0.0533	1.5702	0.4231	4.8000e-003	0.1324	5.9200e-003	0.1383	0.0381	5.6700e-003	0.0437		512.0216	512.0216	0.0218		512.5671
Worker	0.0683	0.0503	0.5220	1.4700e-003	0.1674	1.0400e-003	0.1684	0.0444	9.6000e-004	0.0454		146.7023	146.7023	4.1800e-003		146.8069
Total	0.1866	3.9083	1.4867	0.0130	0.4511	0.0161	0.4671	0.1239	0.0153	0.1393		1,381.3716	1,381.3716	0.0681		1,383.0736

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3152	0.0000	0.3152	0.0342	0.0000	0.0342			0.0000			0.0000
Off-Road	0.4348	5.1999	2.9698	7.3000e-003		0.1930	0.1930		0.1776	0.1776	0.0000	706.8884	706.8884	0.2286		712.6040
Total	0.4348	5.1999	2.9698	7.3000e-003	0.3152	0.1930	0.5081	0.0342	0.1776	0.2118	0.0000	706.8884	706.8884	0.2286		712.6040

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.2 230-kV Transmission Site Work Area Preparation Mobilization - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0650	2.2878	0.5415	6.6800e-003	0.1514	9.0900e-003	0.1604	0.0415	8.7000e-003	0.0502		722.6477	722.6477	0.0421		723.6996
Vendor	0.0533	1.5702	0.4231	4.8000e-003	0.1324	5.9200e-003	0.1383	0.0381	5.6700e-003	0.0437		512.0216	512.0216	0.0218		512.5671
Worker	0.0683	0.0503	0.5220	1.4700e-003	0.1674	1.0400e-003	0.1684	0.0444	9.6000e-004	0.0454		146.7023	146.7023	4.1800e-003		146.8069
Total	0.1866	3.9083	1.4867	0.0130	0.4511	0.0161	0.4671	0.1239	0.0153	0.1393		1,381.3716	1,381.3716	0.0681		1,383.0736

3.3 230-kV Transmission Foundation Tower Installation Remove two towers - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7490	16.2551	10.7389	0.0358		0.6653	0.6653		0.6121	0.6121		3,466.3790	3,466.3790	1.1211		3,494.4065
Total	1.7490	16.2551	10.7389	0.0358		0.6653	0.6653		0.6121	0.6121		3,466.3790	3,466.3790	1.1211		3,494.4065

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.3 230-kV Transmission Foundation Tower Installation Remove two towers - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0581	1.7130	0.4616	5.2400e-003	0.1444	6.4600e-003	0.1508	0.0415	6.1800e-003	0.0477		558.5690	558.5690	0.0238		559.1641
Worker	0.0932	0.0686	0.7118	2.0100e-003	0.2282	1.4200e-003	0.2296	0.0605	1.3000e-003	0.0618		200.0486	200.0486	5.7100e-003		200.1912
Total	0.1513	1.7815	1.1734	7.2500e-003	0.3726	7.8800e-003	0.3805	0.1021	7.4800e-003	0.1096		758.6176	758.6176	0.0295		759.3553

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7490	16.2551	10.7389	0.0358		0.6653	0.6653		0.6121	0.6121	0.0000	3,466.3790	3,466.3790	1.1211		3,494.4065
Total	1.7490	16.2551	10.7389	0.0358		0.6653	0.6653		0.6121	0.6121	0.0000	3,466.3790	3,466.3790	1.1211		3,494.4065

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.3 230-kV Transmission Foundation Tower Installation Remove two towers - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0581	1.7130	0.4616	5.2400e-003	0.1444	6.4600e-003	0.1508	0.0415	6.1800e-003	0.0477		558.5690	558.5690	0.0238		559.1641
Worker	0.0932	0.0686	0.7118	2.0100e-003	0.2282	1.4200e-003	0.2296	0.0605	1.3000e-003	0.0618		200.0486	200.0486	5.7100e-003		200.1912
Total	0.1513	1.7815	1.1734	7.2500e-003	0.3726	7.8800e-003	0.3805	0.1021	7.4800e-003	0.1096		758.6176	758.6176	0.0295		759.3553

3.4 Reconductoring Segment Site Development Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7954	0.0000	0.7954	0.0859	0.0000	0.0859			0.0000			0.0000
Off-Road	0.3936	4.7810	2.4103	6.5200e-003		0.1705	0.1705		0.1568	0.1568		631.5787	631.5787	0.2043		636.6853
Total	0.3936	4.7810	2.4103	6.5200e-003	0.7954	0.1705	0.9658	0.0859	0.1568	0.2427		631.5787	631.5787	0.2043		636.6853

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.4 Reconductoring Segment Site Development Mobilization - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0484	1.4275	0.3847	4.3700e-003	0.1203	5.3900e-003	0.1257	0.0346	5.1500e-003	0.0398		465.4742	465.4742	0.0198		465.9701
Worker	0.0471	0.0330	0.3453	9.3000e-004	0.1051	6.8000e-004	0.1057	0.0279	6.2000e-004	0.0285		92.9548	92.9548	2.7200e-003		93.0228
Total	0.0955	1.4604	0.7300	5.3000e-003	0.2254	6.0700e-003	0.2314	0.0625	5.7700e-003	0.0683		558.4290	558.4290	0.0226		558.9929

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3102	0.0000	0.3102	0.0335	0.0000	0.0335			0.0000			0.0000
Off-Road	0.3936	4.7810	2.4103	6.5200e-003		0.1705	0.1705		0.1568	0.1568	0.0000	631.5787	631.5787	0.2043		636.6853
Total	0.3936	4.7810	2.4103	6.5200e-003	0.3102	0.1705	0.4807	0.0335	0.1568	0.1903	0.0000	631.5787	631.5787	0.2043		636.6853

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.4 Reconductoring Segment Site Development Mobilization - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0484	1.4275	0.3847	4.3700e-003	0.1203	5.3900e-003	0.1257	0.0346	5.1500e-003	0.0398		465.4742	465.4742	0.0198		465.9701
Worker	0.0471	0.0330	0.3453	9.3000e-004	0.1051	6.8000e-004	0.1057	0.0279	6.2000e-004	0.0285		92.9548	92.9548	2.7200e-003		93.0228
Total	0.0955	1.4604	0.7300	5.3000e-003	0.2254	6.0700e-003	0.2314	0.0625	5.7700e-003	0.0683		558.4290	558.4290	0.0226		558.9929

3.5 Reconductoring Segment Pole Installation Transfer Distribution Pole Removal - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7144	16.6546	10.2236	0.0373		0.6496	0.6496		0.5977	0.5977		3,611.1243	3,611.1243	1.1679		3,640.3221
Total	1.7144	16.6546	10.2236	0.0373		0.6496	0.6496		0.5977	0.5977		3,611.1243	3,611.1243	1.1679		3,640.3221

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2022**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0630	1.8557	0.5001	5.6800e-003	0.1564	7.0000e-003	0.1634	0.0450	6.7000e-003	0.0517		605.1165	605.1165	0.0258		605.7611
Worker	0.0886	0.0596	0.6289	1.6400e-003	0.1828	1.2200e-003	0.1841	0.0485	1.1200e-003	0.0496		163.1212	163.1212	4.8800e-003		163.2433
Total	0.1516	1.9153	1.1289	7.3200e-003	0.3392	8.2200e-003	0.3475	0.0935	7.8200e-003	0.1013		768.2377	768.2377	0.0307		769.0044

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7144	16.6546	10.2236	0.0373		0.6496	0.6496		0.5977	0.5977	0.0000	3,611.1243	3,611.1243	1.1679		3,640.3221
Total	1.7144	16.6546	10.2236	0.0373		0.6496	0.6496		0.5977	0.5977	0.0000	3,611.1243	3,611.1243	1.1679		3,640.3221

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2022**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0630	1.8557	0.5001	5.6800e-003	0.1564	7.0000e-003	0.1634	0.0450	6.7000e-003	0.0517		605.1165	605.1165	0.0258		605.7611
Worker	0.0886	0.0596	0.6289	1.6400e-003	0.1828	1.2200e-003	0.1841	0.0485	1.1200e-003	0.0496		163.1212	163.1212	4.8800e-003		163.2433
Total	0.1516	1.9153	1.1289	7.3200e-003	0.3392	8.2200e-003	0.3475	0.0935	7.8200e-003	0.1013		768.2377	768.2377	0.0307		769.0044

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2023**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6258	15.0514	9.9920	0.0373		0.5892	0.5892		0.5421	0.5421		3,613.6088	3,613.6088	1.1687		3,642.8266
Total	1.6258	15.0514	9.9920	0.0373		0.5892	0.5892		0.5421	0.5421		3,613.6088	3,613.6088	1.1687		3,642.8266

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2023**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0474	1.4333	0.4421	5.5600e-003	0.1564	3.3100e-003	0.1598	0.0450	3.1700e-003	0.0482		593.7102	593.7102	0.0239		594.3085
Worker	0.0829	0.0536	0.5744	1.5800e-003	0.1828	1.1900e-003	0.1840	0.0485	1.0900e-003	0.0496		157.0149	157.0149	4.3600e-003		157.1240
Total	0.1302	1.4868	1.0165	7.1400e-003	0.3393	4.5000e-003	0.3438	0.0935	4.2600e-003	0.0978		750.7251	750.7251	0.0283		751.4325

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6258	15.0514	9.9920	0.0373		0.5892	0.5892		0.5421	0.5421	0.0000	3,613.6088	3,613.6088	1.1687		3,642.8266
Total	1.6258	15.0514	9.9920	0.0373		0.5892	0.5892		0.5421	0.5421	0.0000	3,613.6088	3,613.6088	1.1687		3,642.8266

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0474	1.4333	0.4421	5.5600e-003	0.1564	3.3100e-003	0.1598	0.0450	3.1700e-003	0.0482		593.7102	593.7102	0.0239		594.3085
Worker	0.0829	0.0536	0.5744	1.5800e-003	0.1828	1.1900e-003	0.1840	0.0485	1.0900e-003	0.0496		157.0149	157.0149	4.3600e-003		157.1240
Total	0.1302	1.4868	1.0165	7.1400e-003	0.3393	4.5000e-003	0.3438	0.0935	4.2600e-003	0.0978		750.7251	750.7251	0.0283		751.4325

3.6 230-kV Substation Access Roads - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3863	11.3787	11.1933	0.0327		0.4721	0.4721		0.4344	0.4344		3,160.4485	3,160.4485	1.0222		3,186.0023
Total	1.3863	11.3787	11.1933	0.0327	0.0000	0.4721	0.4721	0.0000	0.4344	0.4344		3,160.4485	3,160.4485	1.0222		3,186.0023

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.6 230-kV Substation Access Roads - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0635	2.2904	0.6095	3.5200e-003	0.0588	3.7800e-003	0.0625	0.0170	3.6100e-003	0.0206		376.1312	376.1312	0.0291		376.8573
Worker	0.0667	0.0476	0.4969	1.3700e-003	0.1543	9.8000e-004	0.1553	0.0409	9.0000e-004	0.0418		136.0244	136.0244	3.9400e-003		136.1229
Total	0.1303	2.3380	1.1063	4.8900e-003	0.2131	4.7600e-003	0.2178	0.0579	4.5100e-003	0.0624		512.1556	512.1556	0.0330		512.9802

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3863	11.3787	11.1933	0.0327		0.4721	0.4721		0.4344	0.4344	0.0000	3,160.4485	3,160.4485	1.0222		3,186.0023
Total	1.3863	11.3787	11.1933	0.0327	0.0000	0.4721	0.4721	0.0000	0.4344	0.4344	0.0000	3,160.4485	3,160.4485	1.0222		3,186.0023

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.6 230-kV Substation Access Roads - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0635	2.2904	0.6095	3.5200e-003	0.0588	3.7800e-003	0.0625	0.0170	3.6100e-003	0.0206		376.1312	376.1312	0.0291		376.8573
Worker	0.0667	0.0476	0.4969	1.3700e-003	0.1543	9.8000e-004	0.1553	0.0409	9.0000e-004	0.0418		136.0244	136.0244	3.9400e-003		136.1229
Total	0.1303	2.3380	1.1063	4.8900e-003	0.2131	4.7600e-003	0.2178	0.0579	4.5100e-003	0.0624		512.1556	512.1556	0.0330		512.9802

3.7 230-kV Substation Site Prep Grading Entrance Road Culverts

Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2392	0.0000	7.2392	3.4427	0.0000	3.4427			0.0000			0.0000
Off-Road	6.6584	59.5744	42.1219	0.1410		2.3287	2.3287		2.1424	2.1424		13,644.8698	13,644.8698	4.4130		13,755.1955
Total	6.6584	59.5744	42.1219	0.1410	7.2392	2.3287	9.5680	3.4427	2.1424	5.5851		13,644.8698	13,644.8698	4.4130		13,755.1955

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.7 230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1228	4.3226	1.0232	0.0126	0.2860	0.0172	0.3031	0.0784	0.0164	0.0948		1,365.3872	1,365.3872	0.0795		1,367.3747
Vendor	0.0523	1.9434	0.5162	2.5800e-003	0.0340	2.6300e-003	0.0367	9.8700e-003	2.5100e-003	0.0124		275.4384	275.4384	0.0243		276.0463
Worker	0.0690	0.0486	0.5079	1.3800e-003	0.1553	1.0000e-003	0.1563	0.0412	9.2000e-004	0.0421		137.2892	137.2892	4.0100e-003		137.3894
Total	0.2440	6.3146	2.0473	0.0166	0.4753	0.0208	0.4961	0.1294	0.0199	0.1493		1,778.1148	1,778.1148	0.1078		1,780.8104

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8233	0.0000	2.8233	1.3427	0.0000	1.3427			0.0000			0.0000
Off-Road	6.6584	59.5744	42.1219	0.1410		2.3287	2.3287		2.1424	2.1424	0.0000	13,644.8698	13,644.8698	4.4130		13,755.1955
Total	6.6584	59.5744	42.1219	0.1410	2.8233	2.3287	5.1520	1.3427	2.1424	3.4851	0.0000	13,644.8698	13,644.8698	4.4130		13,755.1955

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.7 230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1228	4.3226	1.0232	0.0126	0.2860	0.0172	0.3031	0.0784	0.0164	0.0948		1,365.3872	1,365.3872	0.0795		1,367.3747
Vendor	0.0523	1.9434	0.5162	2.5800e-003	0.0340	2.6300e-003	0.0367	9.8700e-003	2.5100e-003	0.0124		275.4384	275.4384	0.0243		276.0463
Worker	0.0690	0.0486	0.5079	1.3800e-003	0.1553	1.0000e-003	0.1563	0.0412	9.2000e-004	0.0421		137.2892	137.2892	4.0100e-003		137.3894
Total	0.2440	6.3146	2.0473	0.0166	0.4753	0.0208	0.4961	0.1294	0.0199	0.1493		1,778.1148	1,778.1148	0.1078		1,780.8104

3.8 230-kV Substation Fence and Gate Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0348	0.4643	0.6936	1.0400e-003		0.0173	0.0173		0.0159	0.0159		100.1956	100.1956	0.0324		101.0058
Total	0.0348	0.4643	0.6936	1.0400e-003		0.0173	0.0173		0.0159	0.0159		100.1956	100.1956	0.0324		101.0058

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.8 230-kV Substation Fence and Gate Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0574	2.0722	0.5513	3.1600e-003	0.0520	3.3700e-003	0.0554	0.0150	3.2300e-003	0.0183		337.1875	337.1875	0.0263		337.8439
Worker	0.0403	0.0267	0.2821	7.2000e-004	0.0805	5.4000e-004	0.0810	0.0214	5.0000e-004	0.0219		72.0390	72.0390	2.1800e-003		72.0934
Total	0.0976	2.0989	0.8334	3.8800e-003	0.1325	3.9100e-003	0.1364	0.0364	3.7300e-003	0.0401		409.2265	409.2265	0.0284		409.9373

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0348	0.4643	0.6936	1.0400e-003		0.0173	0.0173		0.0159	0.0159	0.0000	100.1956	100.1956	0.0324		101.0058
Total	0.0348	0.4643	0.6936	1.0400e-003		0.0173	0.0173		0.0159	0.0159	0.0000	100.1956	100.1956	0.0324		101.0058

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.8 230-kV Substation Fence and Gate Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0574	2.0722	0.5513	3.1600e-003	0.0520	3.3700e-003	0.0554	0.0150	3.2300e-003	0.0183		337.1875	337.1875	0.0263		337.8439
Worker	0.0403	0.0267	0.2821	7.2000e-004	0.0805	5.4000e-004	0.0810	0.0214	5.0000e-004	0.0219		72.0390	72.0390	2.1800e-003		72.0934
Total	0.0976	2.0989	0.8334	3.8800e-003	0.1325	3.9100e-003	0.1364	0.0364	3.7300e-003	0.0401		409.2265	409.2265	0.0284		409.9373

3.9 Reconductoring Segment Conductor Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8207	21.9934	19.2902	0.0672		0.8771	0.8771		0.8069	0.8069		6,502.7190	6,502.7190	2.1031		6,555.2967
Total	2.8207	21.9934	19.2902	0.0672		0.8771	0.8771		0.8069	0.8069		6,502.7190	6,502.7190	2.1031		6,555.2967

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.9 Reconductoring Segment Conductor Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0484	1.4275	0.3847	4.3700e-003	0.1203	5.3900e-003	0.1257	0.0346	5.1500e-003	0.0398		465.4742	465.4742	0.0198		465.9701
Worker	0.0722	0.0504	0.5278	1.4200e-003	0.1598	1.0300e-003	0.1609	0.0424	9.5000e-004	0.0434		141.5235	141.5235	4.1500e-003		141.6273
Total	0.1207	1.4778	0.9125	5.7900e-003	0.2801	6.4200e-003	0.2866	0.0770	6.1000e-003	0.0831		606.9977	606.9977	0.0240		607.5974

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8207	21.9934	19.2902	0.0672		0.8771	0.8771		0.8069	0.8069	0.0000	6,502.7189	6,502.7189	2.1031		6,555.2967
Total	2.8207	21.9934	19.2902	0.0672		0.8771	0.8771		0.8069	0.8069	0.0000	6,502.7189	6,502.7189	2.1031		6,555.2967

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.9 Reconductoring Segment Conductor Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0484	1.4275	0.3847	4.3700e-003	0.1203	5.3900e-003	0.1257	0.0346	5.1500e-003	0.0398		465.4742	465.4742	0.0198		465.9701
Worker	0.0722	0.0504	0.5278	1.4200e-003	0.1598	1.0300e-003	0.1609	0.0424	9.5000e-004	0.0434		141.5235	141.5235	4.1500e-003		141.6273
Total	0.1207	1.4778	0.9125	5.7900e-003	0.2801	6.4200e-003	0.2866	0.0770	6.1000e-003	0.0831		606.9977	606.9977	0.0240		607.5974

3.9 Reconductoring Segment Conductor Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6753	19.6218	18.9364	0.0672		0.7684	0.7684		0.7069	0.7069		6,507.0092	6,507.0092	2.1045		6,559.6217
Total	2.6753	19.6218	18.9364	0.0672		0.7684	0.7684		0.7069	0.7069		6,507.0092	6,507.0092	2.1045		6,559.6217

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.9 Reconductoring Segment Conductor Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0364	1.1025	0.3401	4.2800e-003	0.1203	2.5500e-003	0.1229	0.0346	2.4400e-003	0.0371		456.7001	456.7001	0.0184		457.1604
Worker	0.0676	0.0453	0.4824	1.3700e-003	0.1598	1.0100e-003	0.1608	0.0424	9.3000e-004	0.0433		136.2222	136.2222	3.7100e-003		136.3150
Total	0.1040	1.1478	0.8224	5.6500e-003	0.2802	3.5600e-003	0.2837	0.0770	3.3700e-003	0.0804		592.9224	592.9224	0.0221		593.4753

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6753	19.6218	18.9364	0.0672		0.7684	0.7684		0.7069	0.7069	0.0000	6,507.0092	6,507.0092	2.1045		6,559.6216
Total	2.6753	19.6218	18.9364	0.0672		0.7684	0.7684		0.7069	0.7069	0.0000	6,507.0092	6,507.0092	2.1045		6,559.6216

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.9 Reconductoring Segment Conductor Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0364	1.1025	0.3401	4.2800e-003	0.1203	2.5500e-003	0.1229	0.0346	2.4400e-003	0.0371		456.7001	456.7001	0.0184		457.1604
Worker	0.0676	0.0453	0.4824	1.3700e-003	0.1598	1.0100e-003	0.1608	0.0424	9.3000e-004	0.0433		136.2222	136.2222	3.7100e-003		136.3150
Total	0.1040	1.1478	0.8224	5.6500e-003	0.2802	3.5600e-003	0.2837	0.0770	3.3700e-003	0.0804		592.9224	592.9224	0.0221		593.4753

3.10 230-kV Substation Foundation Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5602	5.9289	4.6226	0.0150		0.2377	0.2377		0.2187	0.2187		1,451.1041	1,451.1041	0.4693		1,462.8371
Total	0.5602	5.9289	4.6226	0.0150		0.2377	0.2377		0.2187	0.2187		1,451.1041	1,451.1041	0.4693		1,462.8371

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.10 230-kV Substation Foundation Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0593	2.1413	0.5697	3.2600e-003	0.0538	3.4900e-003	0.0573	0.0155	3.3300e-003	0.0189		348.4271	348.4271	0.0271		349.1053
Worker	0.0608	0.0434	0.4525	1.2400e-003	0.1403	8.9000e-004	0.1412	0.0372	8.2000e-004	0.0380		123.6949	123.6949	3.5900e-003		123.7846
Total	0.1201	2.1847	1.0222	4.5000e-003	0.1941	4.3800e-003	0.1984	0.0528	4.1500e-003	0.0569		472.1220	472.1220	0.0307		472.8899

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5602	5.9289	4.6226	0.0150		0.2377	0.2377		0.2187	0.2187	0.0000	1,451.1041	1,451.1041	0.4693		1,462.8371
Total	0.5602	5.9289	4.6226	0.0150		0.2377	0.2377		0.2187	0.2187	0.0000	1,451.1041	1,451.1041	0.4693		1,462.8371

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.10 230-kV Substation Foundation Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0593	2.1413	0.5697	3.2600e-003	0.0538	3.4900e-003	0.0573	0.0155	3.3300e-003	0.0189		348.4271	348.4271	0.0271		349.1053
Worker	0.0608	0.0434	0.4525	1.2400e-003	0.1403	8.9000e-004	0.1412	0.0372	8.2000e-004	0.0380		123.6949	123.6949	3.5900e-003		123.7846
Total	0.1201	2.1847	1.0222	4.5000e-003	0.1941	4.3800e-003	0.1984	0.0528	4.1500e-003	0.0569		472.1220	472.1220	0.0307		472.8899

3.11 70-kV Substation Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2651	0.0000	0.2651	0.0286	0.0000	0.0286			0.0000			0.0000
Off-Road	0.2899	3.4666	1.9799	4.8700e-003		0.1287	0.1287		0.1184	0.1184		471.2589	471.2589	0.1524		475.0693
Total	0.2899	3.4666	1.9799	4.8700e-003	0.2651	0.1287	0.3938	0.0286	0.1184	0.1470		471.2589	471.2589	0.1524		475.0693

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.11 70-kV Substation Mobilization - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0291	0.8565	0.2308	2.6200e-003	0.0722	3.2300e-003	0.0754	0.0208	3.0900e-003	0.0239		279.2845	279.2845	0.0119		279.5820
Worker	0.0419	0.0294	0.3072	8.3000e-004	0.0935	6.0000e-004	0.0941	0.0248	5.6000e-004	0.0254		82.7298	82.7298	2.4200e-003		82.7903
Total	0.0709	0.8858	0.5380	3.4500e-003	0.1657	3.8300e-003	0.1695	0.0456	3.6500e-003	0.0492		362.0143	362.0143	0.0143		362.3723

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1034	0.0000	0.1034	0.0112	0.0000	0.0112			0.0000			0.0000
Off-Road	0.2899	3.4666	1.9799	4.8700e-003		0.1287	0.1287		0.1184	0.1184	0.0000	471.2589	471.2589	0.1524		475.0693
Total	0.2899	3.4666	1.9799	4.8700e-003	0.1034	0.1287	0.2321	0.0112	0.1184	0.1295	0.0000	471.2589	471.2589	0.1524		475.0693

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.11 70-kV Substation Mobilization - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0291	0.8565	0.2308	2.6200e-003	0.0722	3.2300e-003	0.0754	0.0208	3.0900e-003	0.0239		279.2845	279.2845	0.0119		279.5820
Worker	0.0419	0.0294	0.3072	8.3000e-004	0.0935	6.0000e-004	0.0941	0.0248	5.6000e-004	0.0254		82.7298	82.7298	2.4200e-003		82.7903
Total	0.0709	0.8858	0.5380	3.4500e-003	0.1657	3.8300e-003	0.1695	0.0456	3.6500e-003	0.0492		362.0143	362.0143	0.0143		362.3723

3.12 70-kV Substation Foundation Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7527	7.3217	6.8781	0.0159		0.4023	0.4023		0.3702	0.3702		1,541.7492	1,541.7492	0.4986		1,554.2150
Total	0.7527	7.3217	6.8781	0.0159		0.4023	0.4023		0.3702	0.3702		1,541.7492	1,541.7492	0.4986		1,554.2150

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.12 70-kV Substation Foundation Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0630	1.8557	0.5001	5.6800e-003	0.1564	7.0000e-003	0.1634	0.0450	6.7000e-003	0.0517		605.1165	605.1165	0.0258		605.7611
Worker	0.0612	0.0437	0.4555	1.2500e-003	0.1415	9.0000e-004	0.1424	0.0375	8.3000e-004	0.0384		124.6891	124.6891	3.6100e-003		124.7794
Total	0.1241	1.8994	0.9556	6.9300e-003	0.2979	7.9000e-003	0.3058	0.0825	7.5300e-003	0.0900		729.8055	729.8055	0.0294		730.5405

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7527	7.3217	6.8781	0.0159		0.4023	0.4023		0.3702	0.3702	0.0000	1,541.7492	1,541.7492	0.4986		1,554.2150
Total	0.7527	7.3217	6.8781	0.0159		0.4023	0.4023		0.3702	0.3702	0.0000	1,541.7492	1,541.7492	0.4986		1,554.2150

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.12 70-kV Substation Foundation Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0630	1.8557	0.5001	5.6800e-003	0.1564	7.0000e-003	0.1634	0.0450	6.7000e-003	0.0517		605.1165	605.1165	0.0258		605.7611
Worker	0.0612	0.0437	0.4555	1.2500e-003	0.1415	9.0000e-004	0.1424	0.0375	8.3000e-004	0.0384		124.6891	124.6891	3.6100e-003		124.7794
Total	0.1241	1.8994	0.9556	6.9300e-003	0.2979	7.9000e-003	0.3058	0.0825	7.5300e-003	0.0900		729.8055	729.8055	0.0294		730.5405

3.13 70-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3964	3.7915	3.6277	4.8600e-003		0.2472	0.2472		0.2274	0.2274		471.1413	471.1413	0.1524		474.9507
Total	0.3964	3.7915	3.6277	4.8600e-003		0.2472	0.2472		0.2274	0.2274		471.1413	471.1413	0.1524		474.9507

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.13 70-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0436	1.2847	0.3462	3.9300e-003	0.1083	4.8500e-003	0.1131	0.0312	4.6400e-003	0.0358		418.9268	418.9268	0.0179		419.3731
Worker	0.0334	0.0238	0.2485	6.8000e-004	0.0772	4.9000e-004	0.0776	0.0205	4.5000e-004	0.0209		68.0122	68.0122	1.9700e-003		68.0615
Total	0.0770	1.3085	0.5947	4.6100e-003	0.1854	5.3400e-003	0.1908	0.0516	5.0900e-003	0.0567		486.9390	486.9390	0.0198		487.4345

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3964	3.7915	3.6277	4.8600e-003		0.2472	0.2472		0.2274	0.2274	0.0000	471.1413	471.1413	0.1524		474.9507
Total	0.3964	3.7915	3.6277	4.8600e-003		0.2472	0.2472		0.2274	0.2274	0.0000	471.1413	471.1413	0.1524		474.9507

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.13 70-kV Substation Ground Grid Conduit Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0436	1.2847	0.3462	3.9300e-003	0.1083	4.8500e-003	0.1131	0.0312	4.6400e-003	0.0358		418.9268	418.9268	0.0179		419.3731
Worker	0.0334	0.0238	0.2485	6.8000e-004	0.0772	4.9000e-004	0.0776	0.0205	4.5000e-004	0.0209		68.0122	68.0122	1.9700e-003		68.0615
Total	0.0770	1.3085	0.5947	4.6100e-003	0.1854	5.3400e-003	0.1908	0.0516	5.0900e-003	0.0567		486.9390	486.9390	0.0198		487.4345

3.14 230-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3639	3.3797	2.5990	3.3700e-003		0.2395	0.2395		0.2203	0.2203		326.9494	326.9494	0.1057		329.5930
Total	0.3639	3.3797	2.5990	3.3700e-003		0.2395	0.2395		0.2203	0.2203		326.9494	326.9494	0.1057		329.5930

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.14 230-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0483	1.8230	0.4839	2.2400e-003	0.0251	2.2200e-003	0.0274	7.3000e-003	2.1200e-003	9.4300e-003		239.6258	239.6258	0.0227		240.1926
Worker	0.0351	0.0254	0.2648	7.4000e-004	0.0835	5.2000e-004	0.0841	0.0222	4.8000e-004	0.0226		73.4348	73.4348	2.1100e-003		73.4876
Total	0.0834	1.8485	0.7487	2.9800e-003	0.1087	2.7400e-003	0.1114	0.0295	2.6000e-003	0.0321		313.0606	313.0606	0.0248		313.6802

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3639	3.3797	2.5990	3.3700e-003		0.2395	0.2395		0.2203	0.2203	0.0000	326.9494	326.9494	0.1057		329.5930
Total	0.3639	3.3797	2.5990	3.3700e-003		0.2395	0.2395		0.2203	0.2203	0.0000	326.9494	326.9494	0.1057		329.5930

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.14 230-kV Substation Ground Grid Conduit Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0483	1.8230	0.4839	2.2400e-003	0.0251	2.2200e-003	0.0274	7.3000e-003	2.1200e-003	9.4300e-003		239.6258	239.6258	0.0227		240.1926
Worker	0.0351	0.0254	0.2648	7.4000e-004	0.0835	5.2000e-004	0.0841	0.0222	4.8000e-004	0.0226		73.4348	73.4348	2.1100e-003		73.4876
Total	0.0834	1.8485	0.7487	2.9800e-003	0.1087	2.7400e-003	0.1114	0.0295	2.6000e-003	0.0321		313.0606	313.0606	0.0248		313.6802

3.15 230-kV Substation Steel Bus Erection - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5550	4.4273	4.1662	0.0145		0.1536	0.1536		0.1413	0.1413		1,399.0142	1,399.0142	0.4525		1,410.3260
Total	0.5550	4.4273	4.1662	0.0145		0.1536	0.1536		0.1413	0.1413		1,399.0142	1,399.0142	0.4525		1,410.3260

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.15 230-kV Substation Steel Bus Erection - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0523	1.9434	0.5162	2.5800e-003	0.0340	2.6300e-003	0.0367	9.8700e-003	2.5100e-003	0.0124		275.4384	275.4384	0.0243		276.0463
Worker	0.0362	0.0264	0.2744	7.7000e-004	0.0873	5.4000e-004	0.0878	0.0232	5.0000e-004	0.0237		76.6109	76.6109	2.1900e-003		76.6658
Total	0.0884	1.9698	0.7906	3.3500e-003	0.1213	3.1700e-003	0.1245	0.0330	3.0100e-003	0.0360		352.0493	352.0493	0.0265		352.7121

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5550	4.4273	4.1662	0.0145		0.1536	0.1536		0.1413	0.1413	0.0000	1,399.0142	1,399.0142	0.4525		1,410.3260
Total	0.5550	4.4273	4.1662	0.0145		0.1536	0.1536		0.1413	0.1413	0.0000	1,399.0142	1,399.0142	0.4525		1,410.3260

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.15 230-kV Substation Steel Bus Erection - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0523	1.9434	0.5162	2.5800e-003	0.0340	2.6300e-003	0.0367	9.8700e-003	2.5100e-003	0.0124		275.4384	275.4384	0.0243		276.0463
Worker	0.0362	0.0264	0.2744	7.7000e-004	0.0873	5.4000e-004	0.0878	0.0232	5.0000e-004	0.0237		76.6109	76.6109	2.1900e-003		76.6658
Total	0.0884	1.9698	0.7906	3.3500e-003	0.1213	3.1700e-003	0.1245	0.0330	3.0100e-003	0.0360		352.0493	352.0493	0.0265		352.7121

3.15 230-kV Substation Steel Bus Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5294	3.9615	4.0945	0.0145		0.1358	0.1358		0.1250	0.1250		1,399.9174	1,399.9174	0.4528		1,411.2365
Total	0.5294	3.9615	4.0945	0.0145		0.1358	0.1358		0.1250	0.1250		1,399.9174	1,399.9174	0.4528		1,411.2365

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.15 230-kV Substation Steel Bus Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0406	1.7137	0.4549	2.5500e-003	0.0340	1.1600e-003	0.0352	9.8700e-003	1.1100e-003	0.0110		272.7425	272.7425	0.0206		273.2586
Worker	0.0339	0.0237	0.2510	7.4000e-004	0.0873	5.3000e-004	0.0878	0.0232	4.9000e-004	0.0236		73.7389	73.7389	1.9600e-003		73.7879
Total	0.0745	1.7375	0.7059	3.2900e-003	0.1213	1.6900e-003	0.1230	0.0330	1.6000e-003	0.0346		346.4814	346.4814	0.0226		347.0465

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5294	3.9615	4.0945	0.0145		0.1358	0.1358		0.1250	0.1250	0.0000	1,399.9174	1,399.9174	0.4528		1,411.2365
Total	0.5294	3.9615	4.0945	0.0145		0.1358	0.1358		0.1250	0.1250	0.0000	1,399.9174	1,399.9174	0.4528		1,411.2365

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.15 230-kV Substation Steel Bus Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0406	1.7137	0.4549	2.5500e-003	0.0340	1.1600e-003	0.0352	9.8700e-003	1.1100e-003	0.0110		272.7425	272.7425	0.0206		273.2586
Worker	0.0339	0.0237	0.2510	7.4000e-004	0.0873	5.3000e-004	0.0878	0.0232	4.9000e-004	0.0236		73.7389	73.7389	1.9600e-003		73.7879
Total	0.0745	1.7375	0.7059	3.2900e-003	0.1213	1.6900e-003	0.1230	0.0330	1.6000e-003	0.0346		346.4814	346.4814	0.0226		347.0465

3.16 230-kV Substation Install Yard Rock - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7475	6.1779	5.9324	0.0191		0.2256	0.2256		0.2075	0.2075		1,849.2207	1,849.2207	0.5981		1,864.1726
Total	0.7475	6.1779	5.9324	0.0191		0.2256	0.2256		0.2075	0.2075		1,849.2207	1,849.2207	0.5981		1,864.1726

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.16 230-kV Substation Install Yard Rock - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1668	5.1391	1.3808	0.0139	0.3619	0.0168	0.3787	0.1042	0.0161	0.1202		1,479.0425	1,479.0425	0.0699		1,480.7909
Worker	0.0520	0.0375	0.3909	1.0800e-003	0.1228	7.7000e-004	0.1236	0.0326	7.1000e-004	0.0333		108.0607	108.0607	3.1100e-003		108.1385
Total	0.2188	5.1766	1.7717	0.0150	0.4847	0.0176	0.5023	0.1367	0.0168	0.1535		1,587.1032	1,587.1032	0.0730		1,588.9294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7475	6.1779	5.9324	0.0191		0.2256	0.2256		0.2075	0.2075	0.0000	1,849.2207	1,849.2207	0.5981		1,864.1726
Total	0.7475	6.1779	5.9324	0.0191		0.2256	0.2256		0.2075	0.2075	0.0000	1,849.2207	1,849.2207	0.5981		1,864.1726

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.16 230-kV Substation Install Yard Rock - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1668	5.1391	1.3808	0.0139	0.3619	0.0168	0.3787	0.1042	0.0161	0.1202		1,479.0425	1,479.0425	0.0699		1,480.7909
Worker	0.0520	0.0375	0.3909	1.0800e-003	0.1228	7.7000e-004	0.1236	0.0326	7.1000e-004	0.0333		108.0607	108.0607	3.1100e-003		108.1385
Total	0.2188	5.1766	1.7717	0.0150	0.4847	0.0176	0.5023	0.1367	0.0168	0.1535		1,587.1032	1,587.1032	0.0730		1,588.9294

3.16 230-kV Substation Install Yard Rock - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7112	5.5407	5.8424	0.0191		0.1978	0.1978		0.1820	0.1820		1,850.4684	1,850.4684	0.5985		1,865.4304
Total	0.7112	5.5407	5.8424	0.0191		0.1978	0.1978		0.1820	0.1820		1,850.4684	1,850.4684	0.5985		1,865.4304

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.16 230-kV Substation Install Yard Rock - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1262	4.0860	1.2198	0.0136	0.3620	7.9100e-003	0.3699	0.1042	7.5600e-003	0.1117		1,452.5337	1,452.5337	0.0639		1,454.1300
Worker	0.0487	0.0337	0.3574	1.0400e-003	0.1228	7.5000e-004	0.1236	0.0326	6.9000e-004	0.0333		104.0104	104.0104	2.7800e-003		104.0800
Total	0.1750	4.1198	1.5773	0.0146	0.4848	8.6600e-003	0.4935	0.1368	8.2500e-003	0.1450		1,556.5442	1,556.5442	0.0666		1,558.2099

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7112	5.5407	5.8424	0.0191		0.1978	0.1978		0.1820	0.1820	0.0000	1,850.4684	1,850.4684	0.5985		1,865.4304
Total	0.7112	5.5407	5.8424	0.0191		0.1978	0.1978		0.1820	0.1820	0.0000	1,850.4684	1,850.4684	0.5985		1,865.4304

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.16 230-kV Substation Install Yard Rock - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1262	4.0860	1.2198	0.0136	0.3620	7.9100e-003	0.3699	0.1042	7.5600e-003	0.1117		1,452.5337	1,452.5337	0.0639		1,454.1300
Worker	0.0487	0.0337	0.3574	1.0400e-003	0.1228	7.5000e-004	0.1236	0.0326	6.9000e-004	0.0333		104.0104	104.0104	2.7800e-003		104.0800
Total	0.1750	4.1198	1.5773	0.0146	0.4848	8.6600e-003	0.4935	0.1368	8.2500e-003	0.1450		1,556.5442	1,556.5442	0.0666		1,558.2099

3.17 70-kV Substation Steel Bus Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8239	6.4014	7.0821	0.0231		0.2117	0.2117		0.1947	0.1947		2,239.9099	2,239.9099	0.7244		2,258.0207
Total	0.8239	6.4014	7.0821	0.0231		0.2117	0.2117		0.1947	0.1947		2,239.9099	2,239.9099	0.7244		2,258.0207

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.17 70-kV Substation Steel Bus Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	0.9923	0.3061	3.8500e-003	0.1083	2.2900e-003	0.1106	0.0312	2.1900e-003	0.0334		411.0301	411.0301	0.0166		411.4443
Worker	0.0334	0.0222	0.2372	6.7000e-004	0.0782	4.9000e-004	0.0787	0.0208	4.6000e-004	0.0212		66.7194	66.7194	1.8200e-003		66.7650
Total	0.0662	1.0145	0.5432	4.5200e-003	0.1865	2.7800e-003	0.1893	0.0519	2.6500e-003	0.0546		477.7496	477.7496	0.0184		478.2093

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8239	6.4014	7.0821	0.0231		0.2117	0.2117		0.1947	0.1947	0.0000	2,239.9099	2,239.9099	0.7244		2,258.0207
Total	0.8239	6.4014	7.0821	0.0231		0.2117	0.2117		0.1947	0.1947	0.0000	2,239.9099	2,239.9099	0.7244		2,258.0207

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.17 70-kV Substation Steel Bus Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	0.9923	0.3061	3.8500e-003	0.1083	2.2900e-003	0.1106	0.0312	2.1900e-003	0.0334		411.0301	411.0301	0.0166		411.4443
Worker	0.0334	0.0222	0.2372	6.7000e-004	0.0782	4.9000e-004	0.0787	0.0208	4.6000e-004	0.0212		66.7194	66.7194	1.8200e-003		66.7650
Total	0.0662	1.0145	0.5432	4.5200e-003	0.1865	2.7800e-003	0.1893	0.0519	2.6500e-003	0.0546		477.7496	477.7496	0.0184		478.2093

3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8288	13.5256	13.6033	0.0467		0.5180	0.5180		0.4830	0.4830		4,507.8392	4,507.8392	1.3491		4,541.5672
Total	1.8288	13.5256	13.6033	0.0467		0.5180	0.5180		0.4830	0.4830		4,507.8392	4,507.8392	1.3491		4,541.5672

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0403	1.7070	0.4525	2.5000e-003	0.0327	1.1400e-003	0.0338	9.4700e-003	1.0900e-003	0.0106		268.0927	268.0927	0.0205		268.6051
Worker	0.0471	0.0323	0.3429	9.9000e-004	0.1167	7.2000e-004	0.1174	0.0310	6.6000e-004	0.0316		98.9781	98.9781	2.6600e-003		99.0446
Total	0.0874	1.7393	0.7955	3.4900e-003	0.1493	1.8600e-003	0.1512	0.0404	1.7500e-003	0.0422		367.0708	367.0708	0.0232		367.6497

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8288	13.5256	13.6033	0.0467		0.5180	0.5180		0.4830	0.4830	0.0000	4,507.8392	4,507.8392	1.3491		4,541.5671
Total	1.8288	13.5256	13.6033	0.0467		0.5180	0.5180		0.4830	0.4830	0.0000	4,507.8392	4,507.8392	1.3491		4,541.5671

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0403	1.7070	0.4525	2.5000e-003	0.0327	1.1400e-003	0.0338	9.4700e-003	1.0900e-003	0.0106		268.0927	268.0927	0.0205		268.6051
Worker	0.0471	0.0323	0.3429	9.9000e-004	0.1167	7.2000e-004	0.1174	0.0310	6.6000e-004	0.0316		98.9781	98.9781	2.6600e-003		99.0446
Total	0.0874	1.7393	0.7955	3.4900e-003	0.1493	1.8600e-003	0.1512	0.0404	1.7500e-003	0.0422		367.0708	367.0708	0.0232		367.6497

3.19 230-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2636	2.8616	1.3758	4.3300e-003		0.1195	0.1195		0.1099	0.1099		419.1144	419.1144	0.1356		422.5032
Total	0.2636	2.8616	1.3758	4.3300e-003		0.1195	0.1195		0.1099	0.1099		419.1144	419.1144	0.1356		422.5032

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.19 230-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.2900e-003	0.2205	0.0680	8.6000e-004	0.0241	5.1000e-004	0.0246	6.9200e-003	4.9000e-004	7.4100e-003		91.3400	91.3400	3.6800e-003		91.4321
Worker	0.0349	0.0247	0.2604	7.7000e-004	0.0913	5.5000e-004	0.0918	0.0242	5.1000e-004	0.0247		77.0193	77.0193	2.0400e-003		77.0703
Total	0.0422	0.2452	0.3284	1.6300e-003	0.1154	1.0600e-003	0.1164	0.0311	1.0000e-003	0.0321		168.3593	168.3593	5.7200e-003		168.5023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2636	2.8616	1.3758	4.3300e-003		0.1195	0.1195		0.1099	0.1099	0.0000	419.1144	419.1144	0.1356		422.5032
Total	0.2636	2.8616	1.3758	4.3300e-003		0.1195	0.1195		0.1099	0.1099	0.0000	419.1144	419.1144	0.1356		422.5032

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.19 230-kV Substation Control Enclosure Delivery and Install - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.2900e-003	0.2205	0.0680	8.6000e-004	0.0241	5.1000e-004	0.0246	6.9200e-003	4.9000e-004	7.4100e-003		91.3400	91.3400	3.6800e-003		91.4321
Worker	0.0349	0.0247	0.2604	7.7000e-004	0.0913	5.5000e-004	0.0918	0.0242	5.1000e-004	0.0247		77.0193	77.0193	2.0400e-003		77.0703
Total	0.0422	0.2452	0.3284	1.6300e-003	0.1154	1.0600e-003	0.1164	0.0311	1.0000e-003	0.0321		168.3593	168.3593	5.7200e-003		168.5023

3.20 230-kV Substation Remaining Equipment Delivery and Install - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3779	2.6759	2.4664	9.9200e-003		0.0968	0.0968		0.0890	0.0890		959.9164	959.9164	0.3105		967.6778
Total	0.3779	2.6759	2.4664	9.9200e-003		0.0968	0.0968		0.0890	0.0890		959.9164	959.9164	0.3105		967.6778

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.20 230-kV Substation Remaining Equipment Delivery and Install - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.6171	0.4309	2.4900e-003	0.0354	1.1600e-003	0.0366	0.0103	1.1100e-003	0.0114		266.7112	266.7112	0.0197		267.2025
Worker	0.0262	0.0185	0.1953	5.8000e-004	0.0685	4.1000e-004	0.0689	0.0182	3.8000e-004	0.0185		57.7645	57.7645	1.5300e-003		57.8027
Total	0.0649	1.6356	0.6262	3.0700e-003	0.1039	1.5700e-003	0.1054	0.0284	1.4900e-003	0.0299		324.4757	324.4757	0.0212		325.0051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3779	2.6759	2.4664	9.9200e-003		0.0968	0.0968		0.0890	0.0890	0.0000	959.9164	959.9164	0.3105		967.6778
Total	0.3779	2.6759	2.4664	9.9200e-003		0.0968	0.0968		0.0890	0.0890	0.0000	959.9164	959.9164	0.3105		967.6778

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.20 230-kV Substation Remaining Equipment Delivery and Install - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.6171	0.4309	2.4900e-003	0.0354	1.1600e-003	0.0366	0.0103	1.1100e-003	0.0114		266.7112	266.7112	0.0197		267.2025
Worker	0.0262	0.0185	0.1953	5.8000e-004	0.0685	4.1000e-004	0.0689	0.0182	3.8000e-004	0.0185		57.7645	57.7645	1.5300e-003		57.8027
Total	0.0649	1.6356	0.6262	3.0700e-003	0.1039	1.5700e-003	0.1054	0.0284	1.4900e-003	0.0299		324.4757	324.4757	0.0212		325.0051

3.21 230-kV Transmission Conductor - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7984	15.7207	10.7044	0.0394		0.6165	0.6165		0.5672	0.5672		3,817.1203	3,817.1203	1.2345		3,847.9837
Total	1.7984	15.7207	10.7044	0.0394		0.6165	0.6165		0.5672	0.5672		3,817.1203	3,817.1203	1.2345		3,847.9837

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.21 230-kV Transmission Conductor - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0401	1.2128	0.3741	4.7100e-003	0.1324	2.8000e-003	0.1352	0.0381	2.6800e-003	0.0408		502.3702	502.3702	0.0203		502.8764
Worker	0.1106	0.0781	0.8246	2.4500e-003	0.2891	1.7500e-003	0.2908	0.0767	1.6100e-003	0.0783		243.8943	243.8943	6.4600e-003		244.0558
Total	0.1507	1.2908	1.1986	7.1600e-003	0.4214	4.5500e-003	0.4260	0.1148	4.2900e-003	0.1191		746.2645	746.2645	0.0267		746.9322

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7984	15.7207	10.7044	0.0394		0.6165	0.6165		0.5672	0.5672	0.0000	3,817.1203	3,817.1203	1.2345		3,847.9837
Total	1.7984	15.7207	10.7044	0.0394		0.6165	0.6165		0.5672	0.5672	0.0000	3,817.1203	3,817.1203	1.2345		3,847.9837

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.21 230-kV Transmission Conductor - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0401	1.2128	0.3741	4.7100e-003	0.1324	2.8000e-003	0.1352	0.0381	2.6800e-003	0.0408		502.3702	502.3702	0.0203		502.8764
Worker	0.1106	0.0781	0.8246	2.4500e-003	0.2891	1.7500e-003	0.2908	0.0767	1.6100e-003	0.0783		243.8943	243.8943	6.4600e-003		244.0558
Total	0.1507	1.2908	1.1986	7.1600e-003	0.4214	4.5500e-003	0.4260	0.1148	4.2900e-003	0.1191		746.2645	746.2645	0.0267		746.9322

3.22 70-kV Substation Equip Delivery & Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3679	2.8885	3.2533	0.0104		0.0945	0.0945		0.0870	0.0870		1,007.9647	1,007.9647	0.3260		1,016.1146
Total	0.3679	2.8885	3.2533	0.0104		0.0945	0.0945		0.0870	0.0870		1,007.9647	1,007.9647	0.3260		1,016.1146

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.22 70-kV Substation Equip Delivery & Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0437	1.3230	0.4081	5.1300e-003	0.1444	3.0600e-003	0.1475	0.0415	2.9200e-003	0.0445		548.0402	548.0402	0.0221		548.5924
Worker	0.0392	0.0264	0.2808	8.0000e-004	0.0935	5.9000e-004	0.0941	0.0248	5.4000e-004	0.0254		79.6305	79.6305	2.1600e-003		79.6846
Total	0.0829	1.3494	0.6888	5.9300e-003	0.2379	3.6500e-003	0.2416	0.0664	3.4600e-003	0.0698		627.6707	627.6707	0.0243		628.2771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3679	2.8885	3.2533	0.0104		0.0945	0.0945		0.0870	0.0870	0.0000	1,007.9647	1,007.9647	0.3260		1,016.1146
Total	0.3679	2.8885	3.2533	0.0104		0.0945	0.0945		0.0870	0.0870	0.0000	1,007.9647	1,007.9647	0.3260		1,016.1146

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.22 70-kV Substation Equip Delivery & Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0437	1.3230	0.4081	5.1300e-003	0.1444	3.0600e-003	0.1475	0.0415	2.9200e-003	0.0445		548.0402	548.0402	0.0221		548.5924
Worker	0.0392	0.0264	0.2808	8.0000e-004	0.0935	5.9000e-004	0.0941	0.0248	5.4000e-004	0.0254		79.6305	79.6305	2.1600e-003		79.6846
Total	0.0829	1.3494	0.6888	5.9300e-003	0.2379	3.6500e-003	0.2416	0.0664	3.4600e-003	0.0698		627.6707	627.6707	0.0243		628.2771

3.23 70-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.23 70-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.2900e-003	0.2205	0.0680	8.6000e-004	0.0241	5.1000e-004	0.0246	6.9200e-003	4.9000e-004	7.4100e-003		91.3400	91.3400	3.6800e-003		91.4321
Worker	0.0331	0.0230	0.2439	7.2000e-004	0.0843	5.1000e-004	0.0848	0.0224	4.7000e-004	0.0228		71.2787	71.2787	1.9000e-003		71.3262
Total	0.0404	0.2435	0.3119	1.5800e-003	0.1083	1.0200e-003	0.1094	0.0293	9.6000e-004	0.0302		162.6187	162.6187	5.5800e-003		162.7583

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.23 70-kV Substation Control Enclosure Delivery and Install - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.2900e-003	0.2205	0.0680	8.6000e-004	0.0241	5.1000e-004	0.0246	6.9200e-003	4.9000e-004	7.4100e-003		91.3400	91.3400	3.6800e-003		91.4321
Worker	0.0331	0.0230	0.2439	7.2000e-004	0.0843	5.1000e-004	0.0848	0.0224	4.7000e-004	0.0228		71.2787	71.2787	1.9000e-003		71.3262
Total	0.0404	0.2435	0.3119	1.5800e-003	0.1083	1.0200e-003	0.1094	0.0293	9.6000e-004	0.0302		162.6187	162.6187	5.5800e-003		162.7583

3.24 230-kV Transmission Site Clean-up and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4591	5.4209	2.8083	8.1800e-003		0.1887	0.1887		0.1736	0.1736		791.6434	791.6434	0.2560		798.0443
Total	0.4591	5.4209	2.8083	8.1800e-003		0.1887	0.1887		0.1736	0.1736		791.6434	791.6434	0.2560		798.0443

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.24 230-kV Transmission Site Clean-up and Restoration - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	0.9923	0.3061	3.8500e-003	0.1083	2.2900e-003	0.1106	0.0312	2.1900e-003	0.0334		411.0301	411.0301	0.0166		411.4443
Worker	0.0408	0.0288	0.3038	9.0000e-004	0.1065	6.4000e-004	0.1071	0.0283	5.9000e-004	0.0288		89.8558	89.8558	2.3800e-003		89.9153
Total	0.0736	1.0210	0.6098	4.7500e-003	0.2148	2.9300e-003	0.2177	0.0594	2.7800e-003	0.0622		500.8859	500.8859	0.0190		501.3596

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4591	5.4209	2.8083	8.1800e-003		0.1887	0.1887		0.1736	0.1736	0.0000	791.6434	791.6434	0.2560		798.0443
Total	0.4591	5.4209	2.8083	8.1800e-003		0.1887	0.1887		0.1736	0.1736	0.0000	791.6434	791.6434	0.2560		798.0443

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.24 230-kV Transmission Site Clean-up and Restoration - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	0.9923	0.3061	3.8500e-003	0.1083	2.2900e-003	0.1106	0.0312	2.1900e-003	0.0334		411.0301	411.0301	0.0166		411.4443
Worker	0.0408	0.0288	0.3038	9.0000e-004	0.1065	6.4000e-004	0.1071	0.0283	5.9000e-004	0.0288		89.8558	89.8558	2.3800e-003		89.9153
Total	0.0736	1.0210	0.6098	4.7500e-003	0.2148	2.9300e-003	0.2177	0.0594	2.7800e-003	0.0622		500.8859	500.8859	0.0190		501.3596

3.25 230-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0341	0.5248	1.0747	1.6500e-003		9.0700e-003	9.0700e-003		8.3400e-003	8.3400e-003		160.0386	160.0386	0.0518		161.3326
Total	0.0341	0.5248	1.0747	1.6500e-003		9.0700e-003	9.0700e-003		8.3400e-003	8.3400e-003		160.0386	160.0386	0.0518		161.3326

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.25 230-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0109	0.3308	0.1020	1.2800e-003	0.0361	7.6000e-004	0.0369	0.0104	7.3000e-004	0.0111		137.0100	137.0100	5.5200e-003		137.1481
Worker	0.0291	0.0205	0.2170	6.4000e-004	0.0761	4.6000e-004	0.0765	0.0202	4.2000e-004	0.0206		64.1827	64.1827	1.7000e-003		64.2252
Total	0.0400	0.3513	0.3190	1.9200e-003	0.1122	1.2200e-003	0.1134	0.0306	1.1500e-003	0.0317		201.1928	201.1928	7.2200e-003		201.3733

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0341	0.5248	1.0747	1.6500e-003		9.0700e-003	9.0700e-003		8.3400e-003	8.3400e-003	0.0000	160.0386	160.0386	0.0518		161.3326
Total	0.0341	0.5248	1.0747	1.6500e-003		9.0700e-003	9.0700e-003		8.3400e-003	8.3400e-003	0.0000	160.0386	160.0386	0.0518		161.3326

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.25 230-kV Substation Cable Installation and Termination - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0109	0.3308	0.1020	1.2800e-003	0.0361	7.6000e-004	0.0369	0.0104	7.3000e-004	0.0111		137.0100	137.0100	5.5200e-003		137.1481
Worker	0.0291	0.0205	0.2170	6.4000e-004	0.0761	4.6000e-004	0.0765	0.0202	4.2000e-004	0.0206		64.1827	64.1827	1.7000e-003		64.2252
Total	0.0400	0.3513	0.3190	1.9200e-003	0.1122	1.2200e-003	0.1134	0.0306	1.1500e-003	0.0317		201.1928	201.1928	7.2200e-003		201.3733

3.26 230-kV Substation Testing and Commissioning - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.26 230-kV Substation Testing and Commissioning - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.8665	0.8841	0.0111	0.3129	6.6200e-003	0.3195	0.0900	6.3400e-003	0.0963		1,187.4204	1,187.4204	0.0479		1,188.6170
Worker	0.0273	0.0179	0.1915	5.3000e-004	0.0620	4.0000e-004	0.0624	0.0165	3.7000e-004	0.0168		53.0877	53.0877	1.4600e-003		53.1242
Total	0.1220	2.8844	1.0756	0.0117	0.3749	7.0200e-003	0.3819	0.1065	6.7100e-003	0.1132		1,240.5080	1,240.5080	0.0493		1,241.7412

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.26 230-kV Substation Testing and Commissioning - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.8665	0.8841	0.0111	0.3129	6.6200e-003	0.3195	0.0900	6.3400e-003	0.0963		1,187.4204	1,187.4204	0.0479		1,188.6170
Worker	0.0273	0.0179	0.1915	5.3000e-004	0.0620	4.0000e-004	0.0624	0.0165	3.7000e-004	0.0168		53.0877	53.0877	1.4600e-003		53.1242
Total	0.1220	2.8844	1.0756	0.0117	0.3749	7.0200e-003	0.3819	0.1065	6.7100e-003	0.1132		1,240.5080	1,240.5080	0.0493		1,241.7412

3.27 70-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.27 70-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0109	0.3308	0.1020	1.2800e-003	0.0361	7.6000e-004	0.0369	0.0104	7.3000e-004	0.0111		137.0100	137.0100	5.5200e-003		137.1481
Worker	0.0271	0.0178	0.1900	5.3000e-004	0.0614	3.9000e-004	0.0618	0.0163	3.6000e-004	0.0167		52.5658	52.5658	1.4500e-003		52.6020
Total	0.0381	0.3485	0.2920	1.8100e-003	0.0975	1.1500e-003	0.0987	0.0267	1.0900e-003	0.0278		189.5758	189.5758	6.9700e-003		189.7501

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.27 70-kV Substation Cable Installation and Termination - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0109	0.3308	0.1020	1.2800e-003	0.0361	7.6000e-004	0.0369	0.0104	7.3000e-004	0.0111		137.0100	137.0100	5.5200e-003		137.1481
Worker	0.0271	0.0178	0.1900	5.3000e-004	0.0614	3.9000e-004	0.0618	0.0163	3.6000e-004	0.0167		52.5658	52.5658	1.4500e-003		52.6020
Total	0.0381	0.3485	0.2920	1.8100e-003	0.0975	1.1500e-003	0.0987	0.0267	1.0900e-003	0.0278		189.5758	189.5758	6.9700e-003		189.7501

3.28 70-kV Power Line Site Development Mobilization - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	0.6509	7.7474	3.6546	0.0115		0.2640	0.2640		0.2429	0.2429		1,112.0710	1,112.0710	0.3597		1,121.0627
Total	0.6509	7.7474	3.6546	0.0115	1.5908	0.2640	1.8548	0.1718	0.2429	0.4147		1,112.0710	1,112.0710	0.3597		1,121.0627

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.28 70-kV Power Line Site Development Mobilization - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0364	1.1025	0.3401	4.2800e-003	0.1203	2.5500e-003	0.1229	0.0346	2.4400e-003	0.0371		456.7001	456.7001	0.0184		457.1604
Worker	0.0530	0.0365	0.3868	1.1200e-003	0.1321	8.1000e-004	0.1329	0.0350	7.5000e-004	0.0358		111.9637	111.9637	3.0000e-003		112.0388
Total	0.0894	1.1390	0.7268	5.4000e-003	0.2524	3.3600e-003	0.2558	0.0697	3.1900e-003	0.0729		568.6639	568.6639	0.0214		569.1992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	0.6509	7.7474	3.6546	0.0115		0.2640	0.2640		0.2429	0.2429	0.0000	1,112.0710	1,112.0710	0.3597		1,121.0626
Total	0.6509	7.7474	3.6546	0.0115	0.6204	0.2640	0.8844	0.0670	0.2429	0.3099	0.0000	1,112.0710	1,112.0710	0.3597		1,121.0626

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.28 70-kV Power Line Site Development Mobilization - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0364	1.1025	0.3401	4.2800e-003	0.1203	2.5500e-003	0.1229	0.0346	2.4400e-003	0.0371		456.7001	456.7001	0.0184		457.1604
Worker	0.0530	0.0365	0.3868	1.1200e-003	0.1321	8.1000e-004	0.1329	0.0350	7.5000e-004	0.0358		111.9637	111.9637	3.0000e-003		112.0388
Total	0.0894	1.1390	0.7268	5.4000e-003	0.2524	3.3600e-003	0.2558	0.0697	3.1900e-003	0.0729		568.6639	568.6639	0.0214		569.1992

3.29 Reconductoring Segment Clean-up and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3977	0.0000	0.3977	0.0429	0.0000	0.0429			0.0000			0.0000
Off-Road	0.3633	4.2576	2.3851	6.5200e-003		0.1510	0.1510		0.1389	0.1389		631.4296	631.4296	0.2042		636.5351
Total	0.3633	4.2576	2.3851	6.5200e-003	0.3977	0.1510	0.5487	0.0429	0.1389	0.1818		631.4296	631.4296	0.2042		636.5351

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.29 Reconducting Segment Clean-up and Restoration - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0182	0.5513	0.1700	2.1400e-003	0.0602	1.2700e-003	0.0614	0.0173	1.2200e-003	0.0185		228.3501	228.3501	9.2000e-003		228.5802
Worker	0.0410	0.0280	0.2971	8.6000e-004	0.1004	6.2000e-004	0.1011	0.0267	5.7000e-004	0.0272		85.2966	85.2966	2.3000e-003		85.3541
Total	0.0592	0.5792	0.4671	3.0000e-003	0.1606	1.8900e-003	0.1625	0.0440	1.7900e-003	0.0458		313.6467	313.6467	0.0115		313.9343

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1551	0.0000	0.1551	0.0168	0.0000	0.0168			0.0000			0.0000
Off-Road	0.3633	4.2576	2.3851	6.5200e-003		0.1510	0.1510		0.1389	0.1389	0.0000	631.4296	631.4296	0.2042		636.5351
Total	0.3633	4.2576	2.3851	6.5200e-003	0.1551	0.1510	0.3061	0.0168	0.1389	0.1556	0.0000	631.4296	631.4296	0.2042		636.5351

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.29 Reconductoring Segment Clean-up and Restoration - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0182	0.5513	0.1700	2.1400e-003	0.0602	1.2700e-003	0.0614	0.0173	1.2200e-003	0.0185		228.3501	228.3501	9.2000e-003		228.5802
Worker	0.0410	0.0280	0.2971	8.6000e-004	0.1004	6.2000e-004	0.1011	0.0267	5.7000e-004	0.0272		85.2966	85.2966	2.3000e-003		85.3541
Total	0.0592	0.5792	0.4671	3.0000e-003	0.1606	1.8900e-003	0.1625	0.0440	1.7900e-003	0.0458		313.6467	313.6467	0.0115		313.9343

3.30 70-kV Power Line Pole Tower Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9144	14.9150	14.1297	0.0472		0.5804	0.5804		0.5340	0.5340		4,571.4399	4,571.4399	1.4785		4,608.4023
Total	1.9144	14.9150	14.1297	0.0472		0.5804	0.5804		0.5340	0.5340		4,571.4399	4,571.4399	1.4785		4,608.4023

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.30 70-kV Power Line Pole Tower Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0547	1.6538	0.5101	6.4200e-003	0.1805	3.8200e-003	0.1843	0.0519	3.6500e-003	0.0556		685.0502	685.0502	0.0276		685.7406
Worker	0.1043	0.0709	0.7540	2.1700e-003	0.2543	1.5800e-003	0.2558	0.0675	1.4600e-003	0.0689		216.0253	216.0253	5.8300e-003		216.1711
Total	0.1590	1.7247	1.2641	8.5900e-003	0.4348	5.4000e-003	0.4402	0.1194	5.1100e-003	0.1245		901.0755	901.0755	0.0334		901.9116

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9144	14.9150	14.1297	0.0472		0.5804	0.5804		0.5340	0.5340	0.0000	4,571.4399	4,571.4399	1.4785		4,608.4023
Total	1.9144	14.9150	14.1297	0.0472		0.5804	0.5804		0.5340	0.5340	0.0000	4,571.4399	4,571.4399	1.4785		4,608.4023

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.30 70-kV Power Line Pole Tower Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0547	1.6538	0.5101	6.4200e-003	0.1805	3.8200e-003	0.1843	0.0519	3.6500e-003	0.0556		685.0502	685.0502	0.0276		685.7406
Worker	0.1043	0.0709	0.7540	2.1700e-003	0.2543	1.5800e-003	0.2558	0.0675	1.4600e-003	0.0689		216.0253	216.0253	5.8300e-003		216.1711
Total	0.1590	1.7247	1.2641	8.5900e-003	0.4348	5.4000e-003	0.4402	0.1194	5.1100e-003	0.1245		901.0755	901.0755	0.0334		901.9116

3.31 70-kV Substation Install Yard Rock - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7203	5.9683	6.9052	0.0184		0.2341	0.2341		0.2154	0.2154		1,781.9512	1,781.9512	0.5763		1,796.3592
Total	0.7203	5.9683	6.9052	0.0184		0.2341	0.2341		0.2154	0.2154		1,781.9512	1,781.9512	0.5763		1,796.3592

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.31 70-kV Substation Install Yard Rock - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0583	1.7640	0.5441	6.8500e-003	0.1925	4.0800e-003	0.1966	0.0554	3.9000e-003	0.0593		730.7202	730.7202	0.0295		731.4566
Worker	0.0349	0.0247	0.2604	7.7000e-004	0.0913	5.5000e-004	0.0918	0.0242	5.1000e-004	0.0247		77.0193	77.0193	2.0400e-003		77.0703
Total	0.0932	1.7887	0.8045	7.6200e-003	0.2838	4.6300e-003	0.2885	0.0796	4.4100e-003	0.0840		807.7395	807.7395	0.0315		808.5269

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7203	5.9683	6.9052	0.0184		0.2341	0.2341		0.2154	0.2154	0.0000	1,781.9512	1,781.9512	0.5763		1,796.3592
Total	0.7203	5.9683	6.9052	0.0184		0.2341	0.2341		0.2154	0.2154	0.0000	1,781.9512	1,781.9512	0.5763		1,796.3592

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.31 70-kV Substation Install Yard Rock - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0583	1.7640	0.5441	6.8500e-003	0.1925	4.0800e-003	0.1966	0.0554	3.9000e-003	0.0593		730.7202	730.7202	0.0295		731.4566
Worker	0.0349	0.0247	0.2604	7.7000e-004	0.0913	5.5000e-004	0.0918	0.0242	5.1000e-004	0.0247		77.0193	77.0193	2.0400e-003		77.0703
Total	0.0932	1.7887	0.8045	7.6200e-003	0.2838	4.6300e-003	0.2885	0.0796	4.4100e-003	0.0840		807.7395	807.7395	0.0315		808.5269

3.32 230-kV Substation Cleanup and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2353	2.3090	3.1169	4.2600e-003		0.1235	0.1235		0.1137	0.1137		412.1960	412.1960	0.1333		415.5288
Total	0.2353	2.3090	3.1169	4.2600e-003	0.0000	0.1235	0.1235	0.0000	0.1137	0.1137		412.1960	412.1960	0.1333		415.5288

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.32 230-kV Substation Cleanup and Restoration - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1057	3.1972	0.9862	0.0124	0.3490	7.3900e-003	0.3564	0.1004	7.0700e-003	0.1075		1,324.4304	1,324.4304	0.0534		1,325.7651
Worker	0.0196	0.0132	0.1404	4.0000e-004	0.0468	2.9000e-004	0.0471	0.0124	2.7000e-004	0.0127		39.8153	39.8153	1.0800e-003		39.8423
Total	0.1253	3.2104	1.1265	0.0128	0.3957	7.6800e-003	0.4034	0.1128	7.3400e-003	0.1201		1,364.2457	1,364.2457	0.0545		1,365.6074

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2353	2.3090	3.1169	4.2600e-003		0.1235	0.1235		0.1137	0.1137	0.0000	412.1960	412.1960	0.1333		415.5288
Total	0.2353	2.3090	3.1169	4.2600e-003	0.0000	0.1235	0.1235	0.0000	0.1137	0.1137	0.0000	412.1960	412.1960	0.1333		415.5288

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.32 230-kV Substation Cleanup and Restoration - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1057	3.1972	0.9862	0.0124	0.3490	7.3900e-003	0.3564	0.1004	7.0700e-003	0.1075		1,324.4304	1,324.4304	0.0534		1,325.7651
Worker	0.0196	0.0132	0.1404	4.0000e-004	0.0468	2.9000e-004	0.0471	0.0124	2.7000e-004	0.0127		39.8153	39.8153	1.0800e-003		39.8423
Total	0.1253	3.2104	1.1265	0.0128	0.3957	7.6800e-003	0.4034	0.1128	7.3400e-003	0.1201		1,364.2457	1,364.2457	0.0545		1,365.6074

3.33 70-kV Cleanup and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.33 70-kV Cleanup and Restoration - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0254	0.0173	0.1837	5.3000e-004	0.0619	3.9000e-004	0.0623	0.0164	3.6000e-004	0.0168		52.6270	52.6270	1.4200e-003		52.6625
Total	0.0254	0.0173	0.1837	5.3000e-004	0.0619	3.9000e-004	0.0623	0.0164	3.6000e-004	0.0168		52.6270	52.6270	1.4200e-003		52.6625

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.33 70-kV Cleanup and Restoration - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0254	0.0173	0.1837	5.3000e-004	0.0619	3.9000e-004	0.0623	0.0164	3.6000e-004	0.0168		52.6270	52.6270	1.4200e-003		52.6625
Total	0.0254	0.0173	0.1837	5.3000e-004	0.0619	3.9000e-004	0.0623	0.0164	3.6000e-004	0.0168		52.6270	52.6270	1.4200e-003		52.6625

3.34 70-kV Substation Testing and Commissioning - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.34 70-kV Substation Testing and Commissioning - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.2900e-003	0.2205	0.0680	8.6000e-004	0.0241	5.1000e-004	0.0246	6.9200e-003	4.9000e-004	7.4100e-003		91.3400	91.3400	3.6800e-003		91.4321
Worker	0.0312	0.0214	0.2271	6.6000e-004	0.0772	4.8000e-004	0.0776	0.0205	4.4000e-004	0.0209		65.4635	65.4635	1.7600e-003		65.5075
Total	0.0385	0.2419	0.2951	1.5200e-003	0.1012	9.9000e-004	0.1022	0.0274	9.3000e-004	0.0283		156.8035	156.8035	5.4400e-003		156.9396

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.34 70-kV Substation Testing and Commissioning - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.2900e-003	0.2205	0.0680	8.6000e-004	0.0241	5.1000e-004	0.0246	6.9200e-003	4.9000e-004	7.4100e-003		91.3400	91.3400	3.6800e-003		91.4321
Worker	0.0312	0.0214	0.2271	6.6000e-004	0.0772	4.8000e-004	0.0776	0.0205	4.4000e-004	0.0209		65.4635	65.4635	1.7600e-003		65.5075
Total	0.0385	0.2419	0.2951	1.5200e-003	0.1012	9.9000e-004	0.1022	0.0274	9.3000e-004	0.0283		156.8035	156.8035	5.4400e-003		156.9396

3.35 70-kV Power Line Conductor Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4583	21.0710	16.4869	0.0538		0.8689	0.8689		0.7994	0.7994		5,204.5755	5,204.5755	1.6833		5,246.6571
Total	2.4583	21.0710	16.4869	0.0538		0.8689	0.8689		0.7994	0.7994		5,204.5755	5,204.5755	1.6833		5,246.6571

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.35 70-kV Power Line Conductor Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0364	1.1025	0.3401	4.2800e-003	0.1203	2.5500e-003	0.1229	0.0346	2.4400e-003	0.0371		456.7001	456.7001	0.0184		457.1604
Worker	0.0840	0.0577	0.6119	1.7700e-003	0.2084	1.2900e-003	0.2097	0.0553	1.1900e-003	0.0565		176.7562	176.7562	4.7500e-003		176.8750
Total	0.1204	1.1602	0.9520	6.0500e-003	0.3288	3.8400e-003	0.3326	0.0899	3.6300e-003	0.0935		633.4564	633.4564	0.0232		634.0353

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4583	21.0710	16.4869	0.0538		0.8689	0.8689		0.7994	0.7994	0.0000	5,204.5755	5,204.5755	1.6833		5,246.6571
Total	2.4583	21.0710	16.4869	0.0538		0.8689	0.8689		0.7994	0.7994	0.0000	5,204.5755	5,204.5755	1.6833		5,246.6571

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.35 70-kV Power Line Conductor Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0364	1.1025	0.3401	4.2800e-003	0.1203	2.5500e-003	0.1229	0.0346	2.4400e-003	0.0371		456.7001	456.7001	0.0184		457.1604
Worker	0.0840	0.0577	0.6119	1.7700e-003	0.2084	1.2900e-003	0.2097	0.0553	1.1900e-003	0.0565		176.7562	176.7562	4.7500e-003		176.8750
Total	0.1204	1.1602	0.9520	6.0500e-003	0.3288	3.8400e-003	0.3326	0.0899	3.6300e-003	0.0935		633.4564	633.4564	0.0232		634.0353

3.35 70-kV Power Line Conductor Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3759	19.5109	16.2391	0.0538		0.7922	0.7922		0.7288	0.7288		5,205.8190	5,205.8190	1.6837		5,247.9107
Total	2.3759	19.5109	16.2391	0.0538		0.7922	0.7922		0.7288	0.7288		5,205.8190	5,205.8190	1.6837		5,247.9107

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.35 70-kV Power Line Conductor Installation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0348	1.0660	0.3235	4.2500e-003	0.1204	2.3600e-003	0.1227	0.0346	2.2600e-003	0.0369		454.2105	454.2105	0.0186		454.6759
Worker	0.0790	0.0520	0.5644	1.7000e-003	0.2084	1.2600e-003	0.2097	0.0553	1.1600e-003	0.0565		169.8887	169.8887	4.2600e-003		169.9953
Total	0.1138	1.1180	0.8879	5.9500e-003	0.3288	3.6200e-003	0.3324	0.0899	3.4200e-003	0.0933		624.0992	624.0992	0.0229		624.6712

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3759	19.5109	16.2391	0.0538		0.7922	0.7922		0.7288	0.7288	0.0000	5,205.8190	5,205.8190	1.6837		5,247.9107
Total	2.3759	19.5109	16.2391	0.0538		0.7922	0.7922		0.7288	0.7288	0.0000	5,205.8190	5,205.8190	1.6837		5,247.9107

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.35 70-kV Power Line Conductor Installation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0348	1.0660	0.3235	4.2500e-003	0.1204	2.3600e-003	0.1227	0.0346	2.2600e-003	0.0369		454.2105	454.2105	0.0186		454.6759
Worker	0.0790	0.0520	0.5644	1.7000e-003	0.2084	1.2600e-003	0.2097	0.0553	1.1600e-003	0.0565		169.8887	169.8887	4.2600e-003		169.9953
Total	0.1138	1.1180	0.8879	5.9500e-003	0.3288	3.6200e-003	0.3324	0.0899	3.4200e-003	0.0933		624.0992	624.0992	0.0229		624.6712

3.36 70-kV Power Line Clean-up and Restoration - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3977	0.0000	0.3977	0.0429	0.0000	0.0429			0.0000			0.0000
Off-Road	0.3379	3.8409	2.3601	6.5200e-003		0.1343	0.1343		0.1236	0.1236		631.2640	631.2640	0.2042		636.3681
Total	0.3379	3.8409	2.3601	6.5200e-003	0.3977	0.1343	0.5320	0.0429	0.1236	0.1665		631.2640	631.2640	0.2042		636.3681

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.36 70-kV Power Line Clean-up and Restoration - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0244	0.7462	0.2265	2.9800e-003	0.0843	1.6500e-003	0.0859	0.0242	1.5800e-003	0.0258		317.9474	317.9474	0.0130		318.2731
Worker	0.0413	0.0276	0.2986	9.1000e-004	0.1117	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		90.8673	90.8673	2.2700e-003		90.9239
Total	0.0657	0.7737	0.5251	3.8900e-003	0.1960	2.3200e-003	0.1983	0.0539	2.1900e-003	0.0561		408.8146	408.8146	0.0153		409.1970

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1551	0.0000	0.1551	0.0168	0.0000	0.0168			0.0000			0.0000
Off-Road	0.3379	3.8409	2.3601	6.5200e-003		0.1343	0.1343		0.1236	0.1236	0.0000	631.2640	631.2640	0.2042		636.3681
Total	0.3379	3.8409	2.3601	6.5200e-003	0.1551	0.1343	0.2894	0.0168	0.1236	0.1403	0.0000	631.2640	631.2640	0.2042		636.3681

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

3.36 70-kV Power Line Clean-up and Restoration - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0244	0.7462	0.2265	2.9800e-003	0.0843	1.6500e-003	0.0859	0.0242	1.5800e-003	0.0258		317.9474	317.9474	0.0130		318.2731
Worker	0.0413	0.0276	0.2986	9.1000e-004	0.1117	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		90.8673	90.8673	2.2700e-003		90.9239
Total	0.0657	0.7737	0.5251	3.8900e-003	0.1960	2.3200e-003	0.1983	0.0539	2.1900e-003	0.0561		408.8146	408.8146	0.0153		409.1970

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	13.00	5.00	5.00	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.588806	0.027737	0.198305	0.114471	0.022249	0.005748	0.012759	0.019721	0.002316	0.001163	0.004776	0.000758	0.001192

5.0 Energy Detail

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
NaturalGas Unmitigated	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	391.452	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
Total		4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.391452	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
Total		4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Unmitigated	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	152.8816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0672	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Total	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	152.8816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0672	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Total	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Off-Highway Trucks	1	4.00	13	402	0.38	Diesel
Off-Highway Trucks	1	4.00	12	402	0.38	Diesel
Other General Industrial Equipment	1	8.00	2	400	0.34	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Off-Highway Trucks	0.4970	3.3279	3.2502	0.0132		0.1198	0.1198		0.1102	0.1102		1,280.3504	1,280.3504	0.4141		1,290.7027
Other General Industrial Equipment	0.3779	2.7653	2.6630	0.0117		0.0948	0.0948		0.0872	0.0872		1,134.3814	1,134.3814	0.3669		1,143.5535
Total	0.8750	6.0932	5.9132	0.0250		0.2146	0.2146		0.1974	0.1974		2,414.7318	2,414.7318	0.7810		2,434.2562

10.0 Stationary Equipment

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

Estrella Substation and Paso Robles Area Reinforcement Project
San Luis Obispo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	7,144.00	1000sqft	164.00	7,144,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The total area in power line the easement widths, substation temp disturbance, areas for temporary staging and access roads outside of the easement equals approximately 164 acres or a 7,144,000 square feet area

Construction Phase - Based on project schedule and description

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on equipment roster for the project.

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Trips and VMT - Based on equipment roster and schedule provided

On-road Fugitive Dust - Per the user guide 9.3% silt content should be used for the San Luis Obispo region

Grading - Based on grading and material movement for the project.

Vehicle Trips - Unmanned operation

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products - No consumer product utilization was assumed for the project

Area Coating - No architectural coating is assumed for the project

Energy Use - Energy intensity factors scaled down to match the area occupied by the 230kV Substation Control Enclosure approximately 14 feet wide, 48 feet long, and the 70 kV Substation Control Enclosure approximately 16 feet wide and 64 feet long.

Water And Wastewater - Unmanned facility - No water use is expected

Solid Waste - No solid waste generation is expected

Construction Off-road Equipment Mitigation - At a minimum, the off-road equipment fleet shall meet the CARB off-road emissions average for that calendar year and ensure that quarterly DPM emissions are less than the SLOCAPCD significance thresholds.

Operational Off-Road Equipment - Assumes monthly inspections and an annual maintenance on the substation components. Helicopter emissions are represented as Other general industrial equipment with hp increased to 400

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
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tblAreaCoating	Area_Nonresidential_Interior	10716000	0
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

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Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblEnergyUse	T24E	1.48	0.01
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tblGrading	AcresOfGrading	36.00	27.00
tblGrading	AcresOfGrading	4.50	9.00
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tblGrading	MaterialExported	0.00	828.00
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Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

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Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

tblOffRoadEquipment	PhaseName	Reconductoring Segment Clean-up and Restoration
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Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

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Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

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tblOffRoadEquipment	PhaseName		70-kV Substation Ground Grid Conduit Installation
tblOffRoadEquipment	PhaseName		230-kV Substation Ground Grid Conduit Installation
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	5.30
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	1.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	2.60
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	0.50
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	6.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	13.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	12.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	2.00
tblOperationalOffRoadEquipment	OperHorsePower	88.00	400.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblSolidWaste	SolidWasteGenerationRate	8,858.56	0.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	0.91
tblTripsAndVMT	VendorTripLength	5.00	1.20
tblTripsAndVMT	VendorTripLength	5.00	8.68
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.15
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.34
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.90
tblTripsAndVMT	VendorTripLength	5.00	1.20
tblTripsAndVMT	VendorTripLength	5.00	1.85
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.85
tblTripsAndVMT	VendorTripNumber	0.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	1,171.00	13.00
tblTripsAndVMT	VendorTripNumber	1,171.00	9.00
tblTripsAndVMT	VendorTripNumber	1,171.00	29.00
tblTripsAndVMT	VendorTripNumber	1,171.00	30.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

tblTripsAndVMT	VendorTripNumber	1,171.00	45.00
tblTripsAndVMT	VendorTripNumber	1,171.00	9.00
tblTripsAndVMT	VendorTripNumber	1,171.00	30.00
tblTripsAndVMT	VendorTripNumber	1,171.00	2.00
tblTripsAndVMT	VendorTripNumber	1,171.00	28.00
tblTripsAndVMT	VendorTripNumber	1,171.00	12.00
tblTripsAndVMT	VendorTripNumber	1,171.00	11.00
tblTripsAndVMT	VendorTripNumber	1,171.00	12.00
tblTripsAndVMT	VendorTripNumber	1,171.00	2.00
tblTripsAndVMT	VendorTripNumber	1,171.00	9.00
tblTripsAndVMT	VendorTripNumber	1,171.00	3.00
tblTripsAndVMT	VendorTripNumber	1,171.00	26.00
tblTripsAndVMT	VendorTripNumber	1,171.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	1,171.00	15.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	1,171.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	29.00
tblTripsAndVMT	VendorTripNumber	1,171.00	2.00
tblTripsAndVMT	VendorTripNumber	1,171.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	1,171.00	13.00
tblTripsAndVMT	VendorTripNumber	0.00	33.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	1,171.00	30.00
tblTripsAndVMT	VendorTripNumber	1,171.00	10.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

tblTripsAndVMT	VendorTripNumber	1,171.00	31.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	7.68
tblTripsAndVMT	WorkerTripLength	13.00	8.45
tblTripsAndVMT	WorkerTripLength	13.00	8.45
tblTripsAndVMT	WorkerTripLength	13.00	9.15
tblTripsAndVMT	WorkerTripLength	13.00	9.56
tblTripsAndVMT	WorkerTripLength	13.00	8.97
tblTripsAndVMT	WorkerTripLength	13.00	7.34
tblTripsAndVMT	WorkerTripLength	13.00	8.52
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	7.68
tblTripsAndVMT	WorkerTripLength	13.00	9.23
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	6.79
tblTripsAndVMT	WorkerTripLength	13.00	6.72
tblTripsAndVMT	WorkerTripLength	13.00	8.68
tblTripsAndVMT	WorkerTripLength	13.00	8.25
tblTripsAndVMT	WorkerTripLength	13.00	8.15
tblTripsAndVMT	WorkerTripLength	13.00	7.67
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	7.68
tblTripsAndVMT	WorkerTripLength	13.00	8.14

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

tblTripsAndVMT	WorkerTripLength	13.00	8.45
tblTripsAndVMT	WorkerTripLength	13.00	8.56
tblTripsAndVMT	WorkerTripLength	13.00	9.18
tblTripsAndVMT	WorkerTripLength	13.00	6.32
tblTripsAndVMT	WorkerTripLength	13.00	8.45
tblTripsAndVMT	WorkerTripLength	13.00	7.85
tblTripsAndVMT	WorkerTripLength	13.00	5.87
tblTripsAndVMT	WorkerTripLength	13.00	7.50
tblTripsAndVMT	WorkerTripLength	13.00	8.38
tblTripsAndVMT	WorkerTripNumber	5.00	22.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	22.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	14.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	9.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	30.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	38.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	14.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	10.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	41.00
tblTripsAndVMT	WorkerTripNumber	5.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	5.00	8.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	32.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	38.00
tblTripsAndVMT	WorkerTripNumber	10.00	24.00
tblTripsAndVMT	WorkerTripNumber	30.00	26.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	28.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	22.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	1,652,050,000.00	0.00

2.0 Emissions Summary

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	11.8864	110.4815	77.5908	0.2791	8.4664	3.9137	12.3801	3.7790	3.6020	7.3810	0.0000	27,322.0062	27,322.0062	7.9167	0.0000	27,519.9224
2023	9.7896	81.3027	68.0185	0.2538	3.9882	2.8200	5.3730	0.7733	2.6013	3.0073	0.0000	24,802.4598	24,802.4598	7.0381	0.0000	24,978.4115
2024	2.5008	20.6390	17.1411	0.0596	0.5937	0.7958	1.1246	0.0968	0.7323	0.8222	0.0000	5,815.4442	5,815.4442	1.7071	0.0000	5,858.1217
Maximum	11.8864	110.4815	77.5908	0.2791	8.4664	3.9137	12.3801	3.7790	3.6020	7.3810	0.0000	27,322.0062	27,322.0062	7.9167	0.0000	27,519.9224

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	11.8864	110.4815	77.5908	0.2791	4.0505	3.9137	7.9642	1.6790	3.6020	5.2810	0.0000	27,322.0062	27,322.0062	7.9167	0.0000	27,519.9224
2023	9.7896	81.3027	68.0185	0.2538	2.7752	2.8200	4.3005	0.6423	2.6013	3.0073	0.0000	24,802.4598	24,802.4598	7.0381	0.0000	24,978.4115
2024	2.5008	20.6390	17.1411	0.0596	0.3511	0.7958	1.1246	0.0899	0.7323	0.8222	0.0000	5,815.4442	5,815.4442	1.7071	0.0000	5,858.1217
Maximum	11.8864	110.4815	77.5908	0.2791	4.0505	3.9137	7.9642	1.6790	3.6020	5.2810	0.0000	27,322.0062	27,322.0062	7.9167	0.0000	27,519.9224

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	45.00	0.00	29.07	48.14	0.00	18.73	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Energy	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.8750	6.0932	5.9132	0.0250		0.2146	0.2146		0.1974	0.1974		2,414.7318	2,414.7318	0.7810		2,434.2562
Total	153.8280	6.1382	6.6737	0.0252	0.0000	0.2201	0.2201	0.0000	0.2029	0.2029		2,462.3485	2,462.3485	0.7859	8.4000e-004	2,482.2486

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Energy	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.8750	6.0932	5.9132	0.0250		0.2146	0.2146		0.1974	0.1974		2,414.7318	2,414.7318	0.7810		2,434.2562
Total	153.8280	6.1382	6.6737	0.0252	0.0000	0.2201	0.2201	0.0000	0.2029	0.2029		2,462.3485	2,462.3485	0.7859	8.4000e-004	2,482.2486

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	230-kV Transmission Site Work Area Preparation Mobilization	Site Preparation	6/1/2022	6/14/2022	6	12	
2	230-kV Transmission Foundation Tower Installation Remove two towers	Building Construction	6/15/2022	8/9/2022	6	48	
3	Reconductoring Segment Site Development Mobilization	Site Preparation	8/1/2022	8/13/2022	6	12	

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4	Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Building Construction	8/15/2022	2/18/2023	6	144
5	230-kV Substation Access Roads	Site Preparation	9/1/2022	9/14/2022	6	12
6	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Grading	9/15/2022	10/12/2022	6	24
7	230-kV Substation Fence and Gate Installation	Building Construction	10/8/2022	10/21/2022	6	12
8	Reconductoring Segment Conductor Installation	Building Construction	10/10/2022	2/28/2023	6	120
9	230-kV Substation Foundation Construction	Building Construction	10/15/2022	11/25/2022	6	36
10	70-kV Substation Mobilization	Site Preparation	10/18/2022	10/30/2022	6	12
11	70-kV Substation Foundation Construction	Building Construction	11/1/2022	12/31/2022	6	48
12	70-kV Substation Ground Grid Conduit Installation	Building Construction	11/1/2022	12/31/2022	6	48
13	230-kV Substation Ground Grid Conduit Installation	Building Construction	11/15/2022	12/12/2022	6	24
14	230-kV Substation Steel Bus Erection	Building Construction	12/9/2022	1/5/2023	6	24
15	230-kV Substation Install Yard Rock	Building Construction	12/23/2022	1/12/2023	6	18
16	70-kV Substation Steel Bus Erection	Building Construction	1/1/2023	1/31/2023	6	24
17	230-kV Substation Transformer & Equip Delivery & Installation	Building Construction	1/2/2023	2/4/2023	6	30
18	230-kV Substation Control Enclosure Delivery and Install	Building Construction	1/6/2023	1/19/2023	6	12
19	230-kV Substation Remaining Equipment Delivery and Install	Building Construction	1/13/2023	2/11/2023	6	24
20	230-kV Transmission Conductor	Building Construction	1/25/2023	1/31/2023	6	6
21	70-kV Substation Equip Delivery & Installation	Building Construction	2/1/2023	2/21/2023	6	18
22	70-kV Substation Control Enclosure Delivery and Install	Building Construction	2/1/2023	2/7/2023	6	6
23	230-kV Transmission Site Clean-up and Restoration	Building Construction	2/1/2023	2/7/2023	6	6
24	230-kV Substation Cable Installation and Termination	Building Construction	2/1/2023	2/14/2023	6	12

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25	230-kV Substation Testing and Commissioning	Building Construction	2/11/2023	3/17/2023	6	30
26	70-kV Substation Cable Installation and Termination	Building Construction	2/22/2023	3/14/2023	6	18
27	70-kV Power Line Site Development Mobilization	Site Preparation	3/1/2023	3/14/2023	6	12
28	Reconductoring Segment Clean-up and Restoration	Site Preparation	3/1/2023	3/14/2023	6	12
29	70-kV Power Line Pole Tower Installation	Building Construction	3/1/2023	11/30/2023	6	216
30	70-kV Substation Install Yard Rock	Building Construction	3/1/2023	3/14/2023	6	12
31	230-kV Substation Cleanup and Restoration	Site Preparation	3/11/2023	3/31/2023	6	18
32	70-kV Cleanup and Restoration	Site Preparation	3/15/2023	3/28/2023	6	12
33	70-kV Substation Testing and Commissioning	Building Construction	4/1/2023	5/31/2023	6	48
34	70-kV Power Line Conductor Installation	Building Construction	11/1/2023	1/31/2024	6	72
35	70-kV Power Line Clean-up and Restoration	Site Preparation	2/1/2024	2/14/2024	6	12

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
230-kV Transmission Site Work Area Preparation Mobilization	Graders	1	6.00	187	0.41
230-kV Transmission Site Work Area Preparation Mobilization	Tractors/Loaders/Backhoes	1	6.00	97	0.37
230-kV Transmission Foundation Tower Installation Remove two towers	Bore/Drill Rigs	1	1.00	221	0.50
230-kV Transmission Foundation Tower Installation Remove two towers	Cranes	3	5.30	231	0.29

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230-kV Transmission Foundation Tower Installation Remove two towers	Forklifts	3	2.60	89	0.20
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	2	3.50	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	1	0.80	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	2	2.60	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Tractors/Loaders/Backhoes	1	0.50	97	0.37
Reconductoring Segment Site Development Mobilization	Graders	1	6.00	187	0.41
Reconductoring Segment Site Development Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Bore/Drill Rigs	1	6.00	221	0.50
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Cranes	3	6.00	231	0.29
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Cranes	1	1.00	231	0.29
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Off-Highway Trucks	2	3.00	402	0.38
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Off-Highway Trucks	2	2.00	402	0.38
230-kV Substation Access Roads	Off-Highway Trucks	2	8.00	402	0.38
230-kV Substation Access Roads	Tractors/Loaders/Backhoes	2	8.00	97	0.37
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Graders	1	8.00	187	0.41
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Off-Highway Trucks	4	10.00	402	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Off-Highway Trucks	2	10.00	402	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rollers	2	8.00	80	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rubber Tired Dozers	1	8.00	247	0.40
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rubber Tired Loaders	1	8.00	203	0.36

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230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Scrapers	1	8.00	367	0.48
230-kV Substation Fence and Gate Installation	Skid Steer Loaders	1	4.00	65	0.37
Reconductoring Segment Conductor Installation	Forklifts	1	3.00	89	0.20
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	4.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	1	6.00	402	0.38
Reconductoring Segment Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
Reconductoring Segment Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
230-kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
230-kV Substation Foundation Construction	Cranes	1	5.00	231	0.29
230-kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	5.00	97	0.37
70-kV Substation Mobilization	Graders	1	4.00	187	0.41
70-kV Substation Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
70-kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70-kV Substation Foundation Construction	Trenchers	1	8.00	78	0.50
70-kV Substation Ground Grid Conduit Installation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70-kV Substation Ground Grid Conduit Installation	Trenchers	1	6.00	78	0.50
230-kV Substation Ground Grid Conduit Installation	Trenchers	1	8.00	78	0.50
230-kV Substation Steel Bus Erection	Aerial Lifts	1	6.00	62	0.31
230-kV Substation Steel Bus Erection	Off-Highway Trucks	1	8.00	402	0.38
230-kV Substation Install Yard Rock	Off-Highway Trucks	1	10.00	402	0.38

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230-kV Substation Install Yard Rock	Skid Steer Loaders	1	10.00	65	0.37
70-kV Substation Steel Bus Erection	Aerial Lifts	2	8.00	62	0.31
70-kV Substation Steel Bus Erection	Off-Highway Trucks	2	6.00	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Generator Sets	1	5.00	84	0.74
230-kV Substation Transformer & Equip Delivery & Installation	Off-Highway Trucks	2	10.00	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Off-Highway Trucks	1	4.80	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230-kV Substation Control Enclosure Delivery and Install	Cranes	1	6.00	231	0.29
230-kV Substation Remaining Equipment Delivery and Install	Off-Highway Trucks	1	6.00	402	0.38
230-kV Transmission Conductor	Cranes	3	6.00	231	0.29
230-kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230-kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
70-kV Substation Equip Delivery & Installation	Aerial Lifts	2	4.00	62	0.31
70-kV Substation Equip Delivery & Installation	Off-Highway Trucks	1	5.30	402	0.38
70-kV Substation Control Enclosure Delivery and Install	Off-Highway Trucks	0	0.00	402	0.38
230-kV Transmission Site Clean-up and Restoration	Graders	1	8.00	187	0.41
230-kV Transmission Site Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230-kV Substation Cable Installation and Termination	Aerial Lifts	1	8.00	62	0.31
230-kV Substation Testing and Commissioning	Off-Highway Trucks	0	0.00	402	0.38
70-kV Substation Cable Installation and Termination	Off-Highway Trucks	0	0.00	402	0.38
70-kV Power Line Site Development Mobilization	Graders	2	6.00	187	0.41
70-kV Power Line Site Development Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Segment Clean-up and Restoration	Graders	1	6.00	187	0.41

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Reconductoring Segment Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Power Line Pole Tower Installation	Cranes	1	4.00	231	0.29
70-kV Power Line Pole Tower Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Pole Tower Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Pole Tower Installation	Tractors/Loaders/Backhoes	2	4.00	97	0.37
70-kV Power Line Pole Tower Installation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Substation Install Yard Rock	Off-Highway Trucks	1	8.00	402	0.38
70-kV Substation Install Yard Rock	Skid Steer Loaders	1	8.00	65	0.37
70-kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230-kV Substation Cleanup and Restoration	Other General Industrial Equipment	1	6.00	88	0.34
230-kV Substation Cleanup and Restoration	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70-kV Cleanup and Restoration	Off-Highway Trucks	0	0.00	402	0.38
70-kV Substation Testing and Commissioning	Off-Highway Trucks	0	0.00	402	0.38
70-kV Power Line Conductor Installation	Cranes	3	6.00	231	0.29
70-kV Power Line Conductor Installation	Forklifts	1	3.00	89	0.20
70-kV Power Line Conductor Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Conductor Installation	Off-Highway Trucks	1	6.00	402	0.38
70-kV Power Line Conductor Installation	Off-Highway Trucks	2	2.00	402	0.38
70-kV Power Line Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
70-kV Power Line Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
70-kV Power Line Clean-up and Restoration	Graders	1	6.00	187	0.41
70-kV Power Line Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37

Trips and VMT

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
230-kV Transmission Site Work Area Prepar	2	22.00	11.00	104.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Transmission Foundation Tower Insta	13	30.00	12.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Site Develop	2	18.00	10.00	0.00	7.67	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Pole Installati	9	38.00	13.00	0.00	6.32	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Access Roads	4	24.00	33.00	0.00	8.45	1.90	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Site Prep Grading Entrance	12	26.00	30.00	393.00	7.85	1.20	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Fence and Gate Install	1	18.00	30.00	0.00	5.87	1.85	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Conductor In	10	28.00	10.00	0.00	7.50	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Foundation Constructio	3	22.00	31.00	0.00	8.38	1.85	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Mobilization	2	16.00	6.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Foundation Constructio	3	22.00	13.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Ground Grid Conduit In	2	12.00	9.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Ground Grid Conduit In	1	12.00	29.00	0.00	9.15	0.91	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Steel Bus Erection	2	12.00	30.00	0.00	9.56	1.20	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Install Yard Rock	2	18.00	45.00	0.00	8.97	8.68	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Steel Bus Erection	4	14.00	9.00	0.00	7.34	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Transformer & Equip D	5	18.00	30.00	0.00	8.52	1.15	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Control Enclosure Deliv	1	12.00	2.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Remaining Equipment	1	9.00	28.00	0.00	10.00	1.34	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Transmission Conductor	7	38.00	11.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Equip Delivery & Install	3	16.00	12.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Control Enclosure Deliv	0	12.00	2.00	0.00	9.23	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Transmission Site Clean-up and Rest	2	14.00	9.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Cable Installation and T	1	10.00	3.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Testing and Commissi	0	12.00	26.00	0.00	6.79	13.00	20.00	LD_Mix	HDT_Mix	HHDT

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

70-kV Substation Cable Installation and T	0	12.00	3.00	0.00	6.72	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Site Development Mobilizati	3	20.00	10.00	0.00	8.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring	2	16.00	5.00	0.00	8.25	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Segment Clean up and										
70-kV Power Line Pole Tower Installation	10	41.00	15.00	0.00	8.15	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Install Yard Back	3	12.00	16.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Cleanup and Restoration	2	8.00	29.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Cleanup and Restoration	0	10.00	0.00	0.00	8.14	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Testing and Commissi	0	12.00	2.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Conductor Installation	12	32.00	10.00	0.00	8.56	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Clean up and Restorati	2	16.00	7.00	0.00	9.18	13.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 230-kV Transmission Site Work Area Preparation Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8081	0.0000	0.8081	0.0878	0.0000	0.0878			0.0000			0.0000
Off-Road	0.4348	5.1999	2.9698	7.3000e-003		0.1930	0.1930		0.1776	0.1776		706.8884	706.8884	0.2286		712.6040
Total	0.4348	5.1999	2.9698	7.3000e-003	0.8081	0.1930	1.0011	0.0878	0.1776	0.2654		706.8884	706.8884	0.2286		712.6040

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.2 230-kV Transmission Site Work Area Preparation Mobilization - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0668	2.2991	0.5746	6.5800e-003	0.1514	9.3300e-003	0.1607	0.0415	8.9200e-003	0.0504		711.5809	711.5809	0.0434		712.6659
Vendor	0.0557	1.5780	0.4564	4.7400e-003	0.1324	6.0900e-003	0.1384	0.0381	5.8200e-003	0.0439		504.7505	504.7505	0.0227		505.3186
Worker	0.0769	0.0571	0.5121	1.4000e-003	0.1674	1.0400e-003	0.1684	0.0444	9.6000e-004	0.0454		139.8697	139.8697	4.0600e-003		139.9711
Total	0.1994	3.9342	1.5431	0.0127	0.4511	0.0165	0.4675	0.1239	0.0157	0.1396		1,356.2012	1,356.2012	0.0702		1,357.9557

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3152	0.0000	0.3152	0.0342	0.0000	0.0342			0.0000			0.0000
Off-Road	0.4348	5.1999	2.9698	7.3000e-003		0.1930	0.1930		0.1776	0.1776	0.0000	706.8884	706.8884	0.2286		712.6040
Total	0.4348	5.1999	2.9698	7.3000e-003	0.3152	0.1930	0.5081	0.0342	0.1776	0.2118	0.0000	706.8884	706.8884	0.2286		712.6040

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.2 230-kV Transmission Site Work Area Preparation Mobilization - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0668	2.2991	0.5746	6.5800e-003	0.1514	9.3300e-003	0.1607	0.0415	8.9200e-003	0.0504		711.5809	711.5809	0.0434		712.6659
Vendor	0.0557	1.5780	0.4564	4.7400e-003	0.1324	6.0900e-003	0.1384	0.0381	5.8200e-003	0.0439		504.7505	504.7505	0.0227		505.3186
Worker	0.0769	0.0571	0.5121	1.4000e-003	0.1674	1.0400e-003	0.1684	0.0444	9.6000e-004	0.0454		139.8697	139.8697	4.0600e-003		139.9711
Total	0.1994	3.9342	1.5431	0.0127	0.4511	0.0165	0.4675	0.1239	0.0157	0.1396		1,356.2012	1,356.2012	0.0702		1,357.9557

3.3 230-kV Transmission Foundation Tower Installation Remove two towers - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7490	16.2551	10.7389	0.0358		0.6653	0.6653		0.6121	0.6121		3,466.3790	3,466.3790	1.1211		3,494.4065
Total	1.7490	16.2551	10.7389	0.0358		0.6653	0.6653		0.6121	0.6121		3,466.3790	3,466.3790	1.1211		3,494.4065

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.3 230-kV Transmission Foundation Tower Installation Remove two towers - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0608	1.7215	0.4979	5.1700e-003	0.1444	6.6400e-003	0.1510	0.0415	6.3500e-003	0.0479		550.6369	550.6369	0.0248		551.2566
Worker	0.1049	0.0778	0.6983	1.9200e-003	0.2282	1.4200e-003	0.2296	0.0605	1.3000e-003	0.0618		190.7314	190.7314	5.5300e-003		190.8697
Total	0.1657	1.7993	1.1962	7.0900e-003	0.3726	8.0600e-003	0.3806	0.1021	7.6500e-003	0.1097		741.3683	741.3683	0.0303		742.1264

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7490	16.2551	10.7389	0.0358		0.6653	0.6653		0.6121	0.6121	0.0000	3,466.3790	3,466.3790	1.1211		3,494.4065
Total	1.7490	16.2551	10.7389	0.0358		0.6653	0.6653		0.6121	0.6121	0.0000	3,466.3790	3,466.3790	1.1211		3,494.4065

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.3 230-kV Transmission Foundation Tower Installation Remove two towers - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0608	1.7215	0.4979	5.1700e-003	0.1444	6.6400e-003	0.1510	0.0415	6.3500e-003	0.0479		550.6369	550.6369	0.0248		551.2566
Worker	0.1049	0.0778	0.6983	1.9200e-003	0.2282	1.4200e-003	0.2296	0.0605	1.3000e-003	0.0618		190.7314	190.7314	5.5300e-003		190.8697
Total	0.1657	1.7993	1.1962	7.0900e-003	0.3726	8.0600e-003	0.3806	0.1021	7.6500e-003	0.1097		741.3683	741.3683	0.0303		742.1264

3.4 Reconductoring Segment Site Development Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7954	0.0000	0.7954	0.0859	0.0000	0.0859			0.0000			0.0000
Off-Road	0.3936	4.7810	2.4103	6.5200e-003		0.1705	0.1705		0.1568	0.1568		631.5787	631.5787	0.2043		636.6853
Total	0.3936	4.7810	2.4103	6.5200e-003	0.7954	0.1705	0.9658	0.0859	0.1568	0.2427		631.5787	631.5787	0.2043		636.6853

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.4 Reconductoring Segment Site Development Mobilization - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0506	1.4345	0.4149	4.3100e-003	0.1203	5.5300e-003	0.1259	0.0346	5.2900e-003	0.0399		458.8641	458.8641	0.0207		459.3805
Worker	0.0520	0.0375	0.3441	8.9000e-004	0.1051	6.8000e-004	0.1057	0.0279	6.2000e-004	0.0285		88.6542	88.6542	2.6600e-003		88.7207
Total	0.1027	1.4720	0.7590	5.2000e-003	0.2254	6.2100e-003	0.2316	0.0625	5.9100e-003	0.0684		547.5182	547.5182	0.0233		548.1012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3102	0.0000	0.3102	0.0335	0.0000	0.0335			0.0000			0.0000
Off-Road	0.3936	4.7810	2.4103	6.5200e-003		0.1705	0.1705		0.1568	0.1568	0.0000	631.5787	631.5787	0.2043		636.6853
Total	0.3936	4.7810	2.4103	6.5200e-003	0.3102	0.1705	0.4807	0.0335	0.1568	0.1903	0.0000	631.5787	631.5787	0.2043		636.6853

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.4 Reconductoring Segment Site Development Mobilization - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0506	1.4345	0.4149	4.3100e-003	0.1203	5.5300e-003	0.1259	0.0346	5.2900e-003	0.0399		458.8641	458.8641	0.0207		459.3805
Worker	0.0520	0.0375	0.3441	8.9000e-004	0.1051	6.8000e-004	0.1057	0.0279	6.2000e-004	0.0285		88.6542	88.6542	2.6600e-003		88.7207
Total	0.1027	1.4720	0.7590	5.2000e-003	0.2254	6.2100e-003	0.2316	0.0625	5.9100e-003	0.0684		547.5182	547.5182	0.0233		548.1012

3.5 Reconductoring Segment Pole Installation Transfer Distribution Pole Removal - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7144	16.6546	10.2236	0.0373		0.6496	0.6496		0.5977	0.5977		3,611.1243	3,611.1243	1.1679		3,640.3221
Total	1.7144	16.6546	10.2236	0.0373		0.6496	0.6496		0.5977	0.5977		3,611.1243	3,611.1243	1.1679		3,640.3221

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2022**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0658	1.8649	0.5394	5.6000e-003	0.1564	7.1900e-003	0.1636	0.0450	6.8800e-003	0.0519		596.5233	596.5233	0.0269		597.1947
Worker	0.0965	0.0678	0.6349	1.5600e-003	0.1828	1.2200e-003	0.1841	0.0485	1.1200e-003	0.0496		155.6195	155.6195	4.8100e-003		155.7398
Total	0.1623	1.9327	1.1743	7.1600e-003	0.3392	8.4100e-003	0.3477	0.0935	8.0000e-003	0.1015		752.1429	752.1429	0.0317		752.9345

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7144	16.6546	10.2236	0.0373		0.6496	0.6496		0.5977	0.5977	0.0000	3,611.1243	3,611.1243	1.1679		3,640.3221
Total	1.7144	16.6546	10.2236	0.0373		0.6496	0.6496		0.5977	0.5977	0.0000	3,611.1243	3,611.1243	1.1679		3,640.3221

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2022**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0658	1.8649	0.5394	5.6000e-003	0.1564	7.1900e-003	0.1636	0.0450	6.8800e-003	0.0519		596.5233	596.5233	0.0269		597.1947
Worker	0.0965	0.0678	0.6349	1.5600e-003	0.1828	1.2200e-003	0.1841	0.0485	1.1200e-003	0.0496		155.6195	155.6195	4.8100e-003		155.7398
Total	0.1623	1.9327	1.1743	7.1600e-003	0.3392	8.4100e-003	0.3477	0.0935	8.0000e-003	0.1015		752.1429	752.1429	0.0317		752.9345

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2023**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6258	15.0514	9.9920	0.0373		0.5892	0.5892		0.5421	0.5421		3,613.6088	3,613.6088	1.1687		3,642.8266
Total	1.6258	15.0514	9.9920	0.0373		0.5892	0.5892		0.5421	0.5421		3,613.6088	3,613.6088	1.1687		3,642.8266

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2023**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.4382	0.4732	5.4800e-003	0.1564	3.3900e-003	0.1598	0.0450	3.2400e-003	0.0482		585.0967	585.0967	0.0248		585.7170
Worker	0.0904	0.0608	0.5781	1.5000e-003	0.1828	1.1900e-003	0.1840	0.0485	1.0900e-003	0.0496		149.7969	149.7969	4.2800e-003		149.9040
Total	0.1401	1.4990	1.0513	6.9800e-003	0.3393	4.5800e-003	0.3438	0.0935	4.3300e-003	0.0979		734.8936	734.8936	0.0291		735.6210

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6258	15.0514	9.9920	0.0373		0.5892	0.5892		0.5421	0.5421	0.0000	3,613.6088	3,613.6088	1.1687		3,642.8266
Total	1.6258	15.0514	9.9920	0.0373		0.5892	0.5892		0.5421	0.5421	0.0000	3,613.6088	3,613.6088	1.1687		3,642.8266

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.4382	0.4732	5.4800e-003	0.1564	3.3900e-003	0.1598	0.0450	3.2400e-003	0.0482		585.0967	585.0967	0.0248		585.7170
Worker	0.0904	0.0608	0.5781	1.5000e-003	0.1828	1.1900e-003	0.1840	0.0485	1.0900e-003	0.0496		149.7969	149.7969	4.2800e-003		149.9040
Total	0.1401	1.4990	1.0513	6.9800e-003	0.3393	4.5800e-003	0.3438	0.0935	4.3300e-003	0.0979		734.8936	734.8936	0.0291		735.6210

3.6 230-kV Substation Access Roads - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3863	11.3787	11.1933	0.0327		0.4721	0.4721		0.4344	0.4344		3,160.4485	3,160.4485	1.0222		3,186.0023
Total	1.3863	11.3787	11.1933	0.0327	0.0000	0.4721	0.4721	0.0000	0.4344	0.4344		3,160.4485	3,160.4485	1.0222		3,186.0023

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.6 230-kV Substation Access Roads - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0689	2.2514	0.7194	3.3200e-003	0.0588	4.2600e-003	0.0630	0.0170	4.0700e-003	0.0211		354.3178	354.3178	0.0319		355.1149
Worker	0.0743	0.0541	0.4922	1.3000e-003	0.1543	9.8000e-004	0.1553	0.0409	9.0000e-004	0.0418		129.7146	129.7146	3.8400e-003		129.8106
Total	0.1432	2.3054	1.2117	4.6200e-003	0.2131	5.2400e-003	0.2183	0.0579	4.9700e-003	0.0629		484.0324	484.0324	0.0357		484.9255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3863	11.3787	11.1933	0.0327		0.4721	0.4721		0.4344	0.4344	0.0000	3,160.4485	3,160.4485	1.0222		3,186.0023
Total	1.3863	11.3787	11.1933	0.0327	0.0000	0.4721	0.4721	0.0000	0.4344	0.4344	0.0000	3,160.4485	3,160.4485	1.0222		3,186.0023

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.6 230-kV Substation Access Roads - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0689	2.2514	0.7194	3.3200e-003	0.0588	4.2600e-003	0.0630	0.0170	4.0700e-003	0.0211		354.3178	354.3178	0.0319		355.1149
Worker	0.0743	0.0541	0.4922	1.3000e-003	0.1543	9.8000e-004	0.1553	0.0409	9.0000e-004	0.0418		129.7146	129.7146	3.8400e-003		129.8106
Total	0.1432	2.3054	1.2117	4.6200e-003	0.2131	5.2400e-003	0.2183	0.0579	4.9700e-003	0.0629		484.0324	484.0324	0.0357		484.9255

3.7 230-kV Substation Site Prep Grading Entrance Road Culverts

Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2392	0.0000	7.2392	3.4427	0.0000	3.4427			0.0000			0.0000
Off-Road	6.6584	59.5744	42.1219	0.1410		2.3287	2.3287		2.1424	2.1424		13,644.8698	13,644.8698	4.4130		13,755.1955
Total	6.6584	59.5744	42.1219	0.1410	7.2392	2.3287	9.5680	3.4427	2.1424	5.5851		13,644.8698	13,644.8698	4.4130		13,755.1955

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.7 230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1262	4.3441	1.0857	0.0124	0.2860	0.0176	0.3036	0.0784	0.0169	0.0952		1,344.4775	1,344.4775	0.0820		1,346.5275
Vendor	0.0570	1.9044	0.6168	2.3900e-003	0.0340	3.0700e-003	0.0371	9.8700e-003	2.9300e-003	0.0128		255.6080	255.6080	0.0269		256.2806
Worker	0.0764	0.0551	0.5054	1.3200e-003	0.1553	1.0000e-003	0.1563	0.0412	9.2000e-004	0.0421		130.9333	130.9333	3.9200e-003		131.0312
Total	0.2596	6.3035	2.2079	0.0161	0.4753	0.0217	0.4970	0.1294	0.0207	0.1501		1,731.0187	1,731.0187	0.1128		1,733.8393

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8233	0.0000	2.8233	1.3427	0.0000	1.3427			0.0000			0.0000
Off-Road	6.6584	59.5744	42.1219	0.1410		2.3287	2.3287		2.1424	2.1424	0.0000	13,644.8698	13,644.8698	4.4130		13,755.1955
Total	6.6584	59.5744	42.1219	0.1410	2.8233	2.3287	5.1520	1.3427	2.1424	3.4851	0.0000	13,644.8698	13,644.8698	4.4130		13,755.1955

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.7 230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1262	4.3441	1.0857	0.0124	0.2860	0.0176	0.3036	0.0784	0.0169	0.0952		1,344.4775	1,344.4775	0.0820		1,346.5275
Vendor	0.0570	1.9044	0.6168	2.3900e-003	0.0340	3.0700e-003	0.0371	9.8700e-003	2.9300e-003	0.0128		255.6080	255.6080	0.0269		256.2806
Worker	0.0764	0.0551	0.5054	1.3200e-003	0.1553	1.0000e-003	0.1563	0.0412	9.2000e-004	0.0421		130.9333	130.9333	3.9200e-003		131.0312
Total	0.2596	6.3035	2.2079	0.0161	0.4753	0.0217	0.4970	0.1294	0.0207	0.1501		1,731.0187	1,731.0187	0.1128		1,733.8393

3.8 230-kV Substation Fence and Gate Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0348	0.4643	0.6936	1.0400e-003		0.0173	0.0173		0.0159	0.0159		100.1956	100.1956	0.0324		101.0058
Total	0.0348	0.4643	0.6936	1.0400e-003		0.0173	0.0173		0.0159	0.0159		100.1956	100.1956	0.0324		101.0058

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.8 230-kV Substation Fence and Gate Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0623	2.0365	0.6514	2.9700e-003	0.0520	3.8100e-003	0.0559	0.0150	3.6500e-003	0.0187		317.3571	317.3571	0.0288		318.0781
Worker	0.0436	0.0303	0.2863	6.9000e-004	0.0805	5.4000e-004	0.0810	0.0214	5.0000e-004	0.0219		68.7346	68.7346	2.1500e-003		68.7884
Total	0.1059	2.0668	0.9377	3.6600e-003	0.1325	4.3500e-003	0.1368	0.0364	4.1500e-003	0.0405		386.0918	386.0918	0.0310		386.8665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0348	0.4643	0.6936	1.0400e-003		0.0173	0.0173		0.0159	0.0159	0.0000	100.1956	100.1956	0.0324		101.0058
Total	0.0348	0.4643	0.6936	1.0400e-003		0.0173	0.0173		0.0159	0.0159	0.0000	100.1956	100.1956	0.0324		101.0058

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.8 230-kV Substation Fence and Gate Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0623	2.0365	0.6514	2.9700e-003	0.0520	3.8100e-003	0.0559	0.0150	3.6500e-003	0.0187		317.3571	317.3571	0.0288		318.0781
Worker	0.0436	0.0303	0.2863	6.9000e-004	0.0805	5.4000e-004	0.0810	0.0214	5.0000e-004	0.0219		68.7346	68.7346	2.1500e-003		68.7884
Total	0.1059	2.0668	0.9377	3.6600e-003	0.1325	4.3500e-003	0.1368	0.0364	4.1500e-003	0.0405		386.0918	386.0918	0.0310		386.8665

3.9 Reconductoring Segment Conductor Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8207	21.9934	19.2902	0.0672		0.8771	0.8771		0.8069	0.8069		6,502.7190	6,502.7190	2.1031		6,555.2967
Total	2.8207	21.9934	19.2902	0.0672		0.8771	0.8771		0.8069	0.8069		6,502.7190	6,502.7190	2.1031		6,555.2967

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.9 Reconductoring Segment Conductor Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0506	1.4345	0.4149	4.3100e-003	0.1203	5.5300e-003	0.1259	0.0346	5.2900e-003	0.0399		458.8641	458.8641	0.0207		459.3805
Worker	0.0797	0.0572	0.5268	1.3600e-003	0.1598	1.0300e-003	0.1609	0.0424	9.5000e-004	0.0434		134.9800	134.9800	4.0600e-003		135.0816
Total	0.1303	1.4918	0.9417	5.6700e-003	0.2801	6.5600e-003	0.2867	0.0770	6.2400e-003	0.0833		593.8441	593.8441	0.0247		594.4621

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8207	21.9934	19.2902	0.0672		0.8771	0.8771		0.8069	0.8069	0.0000	6,502.7189	6,502.7189	2.1031		6,555.2967
Total	2.8207	21.9934	19.2902	0.0672		0.8771	0.8771		0.8069	0.8069	0.0000	6,502.7189	6,502.7189	2.1031		6,555.2967

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.9 Reconductoring Segment Conductor Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0506	1.4345	0.4149	4.3100e-003	0.1203	5.5300e-003	0.1259	0.0346	5.2900e-003	0.0399		458.8641	458.8641	0.0207		459.3805
Worker	0.0797	0.0572	0.5268	1.3600e-003	0.1598	1.0300e-003	0.1609	0.0424	9.5000e-004	0.0434		134.9800	134.9800	4.0600e-003		135.0816
Total	0.1303	1.4918	0.9417	5.6700e-003	0.2801	6.5600e-003	0.2867	0.0770	6.2400e-003	0.0833		593.8441	593.8441	0.0247		594.4621

3.9 Reconductoring Segment Conductor Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6753	19.6218	18.9364	0.0672		0.7684	0.7684		0.7069	0.7069		6,507.0092	6,507.0092	2.1045		6,559.6217
Total	2.6753	19.6218	18.9364	0.0672		0.7684	0.7684		0.7069	0.7069		6,507.0092	6,507.0092	2.1045		6,559.6217

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.9 Reconductoring Segment Conductor Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0382	1.1063	0.3640	4.2200e-003	0.1203	2.6000e-003	0.1229	0.0346	2.4900e-003	0.0371		450.0744	450.0744	0.0191		450.5515
Worker	0.0748	0.0514	0.4799	1.3000e-003	0.1598	1.0100e-003	0.1608	0.0424	9.3000e-004	0.0433		129.9261	129.9261	3.6200e-003		130.0166
Total	0.1130	1.1577	0.8439	5.5200e-003	0.2802	3.6100e-003	0.2838	0.0770	3.4200e-003	0.0804		580.0005	580.0005	0.0227		580.5681

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6753	19.6218	18.9364	0.0672		0.7684	0.7684		0.7069	0.7069	0.0000	6,507.0092	6,507.0092	2.1045		6,559.6216
Total	2.6753	19.6218	18.9364	0.0672		0.7684	0.7684		0.7069	0.7069	0.0000	6,507.0092	6,507.0092	2.1045		6,559.6216

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.9 Reconductoring Segment Conductor Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0382	1.1063	0.3640	4.2200e-003	0.1203	2.6000e-003	0.1229	0.0346	2.4900e-003	0.0371		450.0744	450.0744	0.0191		450.5515
Worker	0.0748	0.0514	0.4799	1.3000e-003	0.1598	1.0100e-003	0.1608	0.0424	9.3000e-004	0.0433		129.9261	129.9261	3.6200e-003		130.0166
Total	0.1130	1.1577	0.8439	5.5200e-003	0.2802	3.6100e-003	0.2838	0.0770	3.4200e-003	0.0804		580.0005	580.0005	0.0227		580.5681

3.10 230-kV Substation Foundation Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5602	5.9289	4.6226	0.0150		0.2377	0.2377		0.2187	0.2187		1,451.1041	1,451.1041	0.4693		1,462.8371
Total	0.5602	5.9289	4.6226	0.0150		0.2377	0.2377		0.2187	0.2187		1,451.1041	1,451.1041	0.4693		1,462.8371

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.10 230-kV Substation Foundation Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0643	2.1044	0.6731	3.0700e-003	0.0538	3.9400e-003	0.0577	0.0155	3.7700e-003	0.0193		327.9357	327.9357	0.0298		328.6807
Worker	0.0677	0.0492	0.4485	1.1800e-003	0.1403	8.9000e-004	0.1412	0.0372	8.2000e-004	0.0380		117.9583	117.9583	3.5000e-003		118.0457
Total	0.1320	2.1536	1.1216	4.2500e-003	0.1941	4.8300e-003	0.1989	0.0528	4.5900e-003	0.0574		445.8940	445.8940	0.0333		446.7263

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5602	5.9289	4.6226	0.0150		0.2377	0.2377		0.2187	0.2187	0.0000	1,451.1041	1,451.1041	0.4693		1,462.8371
Total	0.5602	5.9289	4.6226	0.0150		0.2377	0.2377		0.2187	0.2187	0.0000	1,451.1041	1,451.1041	0.4693		1,462.8371

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.10 230-kV Substation Foundation Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0643	2.1044	0.6731	3.0700e-003	0.0538	3.9400e-003	0.0577	0.0155	3.7700e-003	0.0193		327.9357	327.9357	0.0298		328.6807
Worker	0.0677	0.0492	0.4485	1.1800e-003	0.1403	8.9000e-004	0.1412	0.0372	8.2000e-004	0.0380		117.9583	117.9583	3.5000e-003		118.0457
Total	0.1320	2.1536	1.1216	4.2500e-003	0.1941	4.8300e-003	0.1989	0.0528	4.5900e-003	0.0574		445.8940	445.8940	0.0333		446.7263

3.11 70-kV Substation Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2651	0.0000	0.2651	0.0286	0.0000	0.0286			0.0000			0.0000
Off-Road	0.2899	3.4666	1.9799	4.8700e-003		0.1287	0.1287		0.1184	0.1184		471.2589	471.2589	0.1524		475.0693
Total	0.2899	3.4666	1.9799	4.8700e-003	0.2651	0.1287	0.3938	0.0286	0.1184	0.1470		471.2589	471.2589	0.1524		475.0693

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.11 70-kV Substation Mobilization - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0304	0.8607	0.2489	2.5800e-003	0.0722	3.3200e-003	0.0755	0.0208	3.1800e-003	0.0239		275.3185	275.3185	0.0124		275.6283
Worker	0.0463	0.0333	0.3062	7.9000e-004	0.0935	6.0000e-004	0.0941	0.0248	5.6000e-004	0.0254		78.9021	78.9021	2.3700e-003		78.9612
Total	0.0767	0.8941	0.5551	3.3700e-003	0.1657	3.9200e-003	0.1696	0.0456	3.7400e-003	0.0493		354.2205	354.2205	0.0148		354.5896

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1034	0.0000	0.1034	0.0112	0.0000	0.0112			0.0000			0.0000
Off-Road	0.2899	3.4666	1.9799	4.8700e-003		0.1287	0.1287		0.1184	0.1184	0.0000	471.2589	471.2589	0.1524		475.0693
Total	0.2899	3.4666	1.9799	4.8700e-003	0.1034	0.1287	0.2321	0.0112	0.1184	0.1295	0.0000	471.2589	471.2589	0.1524		475.0693

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.11 70-kV Substation Mobilization - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0304	0.8607	0.2489	2.5800e-003	0.0722	3.3200e-003	0.0755	0.0208	3.1800e-003	0.0239		275.3185	275.3185	0.0124		275.6283
Worker	0.0463	0.0333	0.3062	7.9000e-004	0.0935	6.0000e-004	0.0941	0.0248	5.6000e-004	0.0254		78.9021	78.9021	2.3700e-003		78.9612
Total	0.0767	0.8941	0.5551	3.3700e-003	0.1657	3.9200e-003	0.1696	0.0456	3.7400e-003	0.0493		354.2205	354.2205	0.0148		354.5896

3.12 70-kV Substation Foundation Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7527	7.3217	6.8781	0.0159		0.4023	0.4023		0.3702	0.3702		1,541.7492	1,541.7492	0.4986		1,554.2150
Total	0.7527	7.3217	6.8781	0.0159		0.4023	0.4023		0.3702	0.3702		1,541.7492	1,541.7492	0.4986		1,554.2150

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.12 70-kV Substation Foundation Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0658	1.8649	0.5394	5.6000e-003	0.1564	7.1900e-003	0.1636	0.0450	6.8800e-003	0.0519		596.5233	596.5233	0.0269		597.1947
Worker	0.0681	0.0496	0.4512	1.1900e-003	0.1415	9.0000e-004	0.1424	0.0375	8.3000e-004	0.0384		118.9051	118.9051	3.5200e-003		118.9931
Total	0.1339	1.9145	0.9906	6.7900e-003	0.2979	8.0900e-003	0.3060	0.0825	7.7100e-003	0.0902		715.4284	715.4284	0.0304		716.1877

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7527	7.3217	6.8781	0.0159		0.4023	0.4023		0.3702	0.3702	0.0000	1,541.7492	1,541.7492	0.4986		1,554.2150
Total	0.7527	7.3217	6.8781	0.0159		0.4023	0.4023		0.3702	0.3702	0.0000	1,541.7492	1,541.7492	0.4986		1,554.2150

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.12 70-kV Substation Foundation Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0658	1.8649	0.5394	5.6000e-003	0.1564	7.1900e-003	0.1636	0.0450	6.8800e-003	0.0519		596.5233	596.5233	0.0269		597.1947
Worker	0.0681	0.0496	0.4512	1.1900e-003	0.1415	9.0000e-004	0.1424	0.0375	8.3000e-004	0.0384		118.9051	118.9051	3.5200e-003		118.9931
Total	0.1339	1.9145	0.9906	6.7900e-003	0.2979	8.0900e-003	0.3060	0.0825	7.7100e-003	0.0902		715.4284	715.4284	0.0304		716.1877

3.13 70-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3964	3.7915	3.6277	4.8600e-003		0.2472	0.2472		0.2274	0.2274		471.1413	471.1413	0.1524		474.9507
Total	0.3964	3.7915	3.6277	4.8600e-003		0.2472	0.2472		0.2274	0.2274		471.1413	471.1413	0.1524		474.9507

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.13 70-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0456	1.2911	0.3734	3.8700e-003	0.1083	4.9800e-003	0.1133	0.0312	4.7600e-003	0.0359		412.9777	412.9777	0.0186		413.4425
Worker	0.0371	0.0270	0.2461	6.5000e-004	0.0772	4.9000e-004	0.0776	0.0205	4.5000e-004	0.0209		64.8573	64.8573	1.9200e-003		64.9053
Total	0.0827	1.3181	0.6195	4.5200e-003	0.1854	5.4700e-003	0.1909	0.0516	5.2100e-003	0.0568		477.8350	477.8350	0.0205		478.3478

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3964	3.7915	3.6277	4.8600e-003		0.2472	0.2472		0.2274	0.2274	0.0000	471.1413	471.1413	0.1524		474.9507
Total	0.3964	3.7915	3.6277	4.8600e-003		0.2472	0.2472		0.2274	0.2274	0.0000	471.1413	471.1413	0.1524		474.9507

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.13 70-kV Substation Ground Grid Conduit Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0456	1.2911	0.3734	3.8700e-003	0.1083	4.9800e-003	0.1133	0.0312	4.7600e-003	0.0359		412.9777	412.9777	0.0186		413.4425
Worker	0.0371	0.0270	0.2461	6.5000e-004	0.0772	4.9000e-004	0.0776	0.0205	4.5000e-004	0.0209		64.8573	64.8573	1.9200e-003		64.9053
Total	0.0827	1.3181	0.6195	4.5200e-003	0.1854	5.4700e-003	0.1909	0.0516	5.2100e-003	0.0568		477.8350	477.8350	0.0205		478.3478

3.14 230-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3639	3.3797	2.5990	3.3700e-003		0.2395	0.2395		0.2203	0.2203		326.9494	326.9494	0.1057		329.5930
Total	0.3639	3.3797	2.5990	3.3700e-003		0.2395	0.2395		0.2203	0.2203		326.9494	326.9494	0.1057		329.5930

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.14 230-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0529	1.7839	0.5813	2.0600e-003	0.0251	2.6400e-003	0.0278	7.3000e-003	2.5300e-003	9.8300e-003		220.4565	220.4565	0.0252		221.0858
Worker	0.0393	0.0289	0.2611	7.0000e-004	0.0835	5.2000e-004	0.0841	0.0222	4.8000e-004	0.0226		70.0216	70.0216	2.0500e-003		70.0729
Total	0.0922	1.8128	0.8424	2.7600e-003	0.1087	3.1600e-003	0.1118	0.0295	3.0100e-003	0.0325		290.4781	290.4781	0.0272		291.1588

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3639	3.3797	2.5990	3.3700e-003		0.2395	0.2395		0.2203	0.2203	0.0000	326.9494	326.9494	0.1057		329.5930
Total	0.3639	3.3797	2.5990	3.3700e-003		0.2395	0.2395		0.2203	0.2203	0.0000	326.9494	326.9494	0.1057		329.5930

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.14 230-kV Substation Ground Grid Conduit Installation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0529	1.7839	0.5813	2.0600e-003	0.0251	2.6400e-003	0.0278	7.3000e-003	2.5300e-003	9.8300e-003		220.4565	220.4565	0.0252		221.0858
Worker	0.0393	0.0289	0.2611	7.0000e-004	0.0835	5.2000e-004	0.0841	0.0222	4.8000e-004	0.0226		70.0216	70.0216	2.0500e-003		70.0729
Total	0.0922	1.8128	0.8424	2.7600e-003	0.1087	3.1600e-003	0.1118	0.0295	3.0100e-003	0.0325		290.4781	290.4781	0.0272		291.1588

3.15 230-kV Substation Steel Bus Erection - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5550	4.4273	4.1662	0.0145		0.1536	0.1536		0.1413	0.1413		1,399.0142	1,399.0142	0.4525		1,410.3260
Total	0.5550	4.4273	4.1662	0.0145		0.1536	0.1536		0.1413	0.1413		1,399.0142	1,399.0142	0.4525		1,410.3260

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.15 230-kV Substation Steel Bus Erection - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0570	1.9044	0.6168	2.3900e-003	0.0340	3.0700e-003	0.0371	9.8700e-003	2.9300e-003	0.0128		255.6080	255.6080	0.0269		256.2806
Worker	0.0406	0.0300	0.2699	7.3000e-004	0.0873	5.4000e-004	0.0878	0.0232	5.0000e-004	0.0237		73.0464	73.0464	2.1300e-003		73.0997
Total	0.0976	1.9343	0.8867	3.1200e-003	0.1213	3.6100e-003	0.1249	0.0330	3.4300e-003	0.0365		328.6544	328.6544	0.0290		329.3803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5550	4.4273	4.1662	0.0145		0.1536	0.1536		0.1413	0.1413	0.0000	1,399.0142	1,399.0142	0.4525		1,410.3260
Total	0.5550	4.4273	4.1662	0.0145		0.1536	0.1536		0.1413	0.1413	0.0000	1,399.0142	1,399.0142	0.4525		1,410.3260

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.15 230-kV Substation Steel Bus Erection - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0570	1.9044	0.6168	2.3900e-003	0.0340	3.0700e-003	0.0371	9.8700e-003	2.9300e-003	0.0128		255.6080	255.6080	0.0269		256.2806
Worker	0.0406	0.0300	0.2699	7.3000e-004	0.0873	5.4000e-004	0.0878	0.0232	5.0000e-004	0.0237		73.0464	73.0464	2.1300e-003		73.0997
Total	0.0976	1.9343	0.8867	3.1200e-003	0.1213	3.6100e-003	0.1249	0.0330	3.4300e-003	0.0365		328.6544	328.6544	0.0290		329.3803

3.15 230-kV Substation Steel Bus Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5294	3.9615	4.0945	0.0145		0.1358	0.1358		0.1250	0.1250		1,399.9174	1,399.9174	0.4528		1,411.2365
Total	0.5294	3.9615	4.0945	0.0145		0.1358	0.1358		0.1250	0.1250		1,399.9174	1,399.9174	0.4528		1,411.2365

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.15 230-kV Substation Steel Bus Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0443	1.6831	0.5351	2.3600e-003	0.0340	1.3300e-003	0.0354	9.8700e-003	1.2700e-003	0.0111		252.8652	252.8652	0.0228		253.4344
Worker	0.0381	0.0269	0.2461	7.1000e-004	0.0873	5.3000e-004	0.0878	0.0232	4.9000e-004	0.0236		70.3092	70.3092	1.9000e-003		70.3567
Total	0.0824	1.7100	0.7812	3.0700e-003	0.1213	1.8600e-003	0.1232	0.0330	1.7600e-003	0.0348		323.1744	323.1744	0.0247		323.7910

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5294	3.9615	4.0945	0.0145		0.1358	0.1358		0.1250	0.1250	0.0000	1,399.9174	1,399.9174	0.4528		1,411.2365
Total	0.5294	3.9615	4.0945	0.0145		0.1358	0.1358		0.1250	0.1250	0.0000	1,399.9174	1,399.9174	0.4528		1,411.2365

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.15 230-kV Substation Steel Bus Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0443	1.6831	0.5351	2.3600e-003	0.0340	1.3300e-003	0.0354	9.8700e-003	1.2700e-003	0.0111		252.8652	252.8652	0.0228		253.4344
Worker	0.0381	0.0269	0.2461	7.1000e-004	0.0873	5.3000e-004	0.0878	0.0232	4.9000e-004	0.0236		70.3092	70.3092	1.9000e-003		70.3567
Total	0.0824	1.7100	0.7812	3.0700e-003	0.1213	1.8600e-003	0.1232	0.0330	1.7600e-003	0.0348		323.1744	323.1744	0.0247		323.7910

3.16 230-kV Substation Install Yard Rock - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7475	6.1779	5.9324	0.0191		0.2256	0.2256		0.2075	0.2075		1,849.2207	1,849.2207	0.5981		1,864.1726
Total	0.7475	6.1779	5.9324	0.0191		0.2256	0.2256		0.2075	0.2075		1,849.2207	1,849.2207	0.5981		1,864.1726

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.16 230-kV Substation Install Yard Rock - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1758	5.1379	1.5222	0.0136	0.3619	0.0175	0.3794	0.1042	0.0167	0.1209		1,449.2970	1,449.2970	0.0737		1,451.1396
Worker	0.0581	0.0426	0.3859	1.0300e-003	0.1228	7.7000e-004	0.1236	0.0326	7.1000e-004	0.0333		103.0405	103.0405	3.0300e-003		103.1162
Total	0.2339	5.1805	1.9081	0.0146	0.4847	0.0182	0.5030	0.1367	0.0174	0.1542		1,552.3375	1,552.3375	0.0767		1,554.2557

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7475	6.1779	5.9324	0.0191		0.2256	0.2256		0.2075	0.2075	0.0000	1,849.2207	1,849.2207	0.5981		1,864.1726
Total	0.7475	6.1779	5.9324	0.0191		0.2256	0.2256		0.2075	0.2075	0.0000	1,849.2207	1,849.2207	0.5981		1,864.1726

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.16 230-kV Substation Install Yard Rock - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1758	5.1379	1.5222	0.0136	0.3619	0.0175	0.3794	0.1042	0.0167	0.1209		1,449.2970	1,449.2970	0.0737		1,451.1396
Worker	0.0581	0.0426	0.3859	1.0300e-003	0.1228	7.7000e-004	0.1236	0.0326	7.1000e-004	0.0333		103.0405	103.0405	3.0300e-003		103.1162
Total	0.2339	5.1805	1.9081	0.0146	0.4847	0.0182	0.5030	0.1367	0.0174	0.1542		1,552.3375	1,552.3375	0.0767		1,554.2557

3.16 230-kV Substation Install Yard Rock - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7112	5.5407	5.8424	0.0191		0.1978	0.1978		0.1820	0.1820		1,850.4684	1,850.4684	0.5985		1,865.4304
Total	0.7112	5.5407	5.8424	0.0191		0.1978	0.1978		0.1820	0.1820		1,850.4684	1,850.4684	0.5985		1,865.4304

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.16 230-kV Substation Install Yard Rock - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1333	4.0800	1.3321	0.0133	0.3620	8.1600e-003	0.3701	0.1042	7.8000e-003	0.1120		1,422.7178	1,422.7178	0.0669		1,424.3914
Worker	0.0546	0.0383	0.3517	1.0000e-003	0.1228	7.5000e-004	0.1236	0.0326	6.9000e-004	0.0333		99.1801	99.1801	2.7000e-003		99.2475
Total	0.1879	4.1183	1.6838	0.0143	0.4848	8.9100e-003	0.4937	0.1368	8.4900e-003	0.1453		1,521.8978	1,521.8978	0.0696		1,523.6389

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7112	5.5407	5.8424	0.0191		0.1978	0.1978		0.1820	0.1820	0.0000	1,850.4684	1,850.4684	0.5985		1,865.4304
Total	0.7112	5.5407	5.8424	0.0191		0.1978	0.1978		0.1820	0.1820	0.0000	1,850.4684	1,850.4684	0.5985		1,865.4304

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.16 230-kV Substation Install Yard Rock - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1333	4.0800	1.3321	0.0133	0.3620	8.1600e-003	0.3701	0.1042	7.8000e-003	0.1120		1,422.7178	1,422.7178	0.0669		1,424.3914
Worker	0.0546	0.0383	0.3517	1.0000e-003	0.1228	7.5000e-004	0.1236	0.0326	6.9000e-004	0.0333		99.1801	99.1801	2.7000e-003		99.2475
Total	0.1879	4.1183	1.6838	0.0143	0.4848	8.9100e-003	0.4937	0.1368	8.4900e-003	0.1453		1,521.8978	1,521.8978	0.0696		1,523.6389

3.17 70-kV Substation Steel Bus Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8239	6.4014	7.0821	0.0231		0.2117	0.2117		0.1947	0.1947		2,239.9099	2,239.9099	0.7244		2,258.0207
Total	0.8239	6.4014	7.0821	0.0231		0.2117	0.2117		0.1947	0.1947		2,239.9099	2,239.9099	0.7244		2,258.0207

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.17 70-kV Substation Steel Bus Erection - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0344	0.9957	0.3276	3.8000e-003	0.1083	2.3400e-003	0.1107	0.0312	2.2400e-003	0.0334		405.0669	405.0669	0.0172		405.4964
Worker	0.0368	0.0252	0.2363	6.4000e-004	0.0782	4.9000e-004	0.0787	0.0208	4.6000e-004	0.0212		63.6377	63.6377	1.7800e-003		63.6821
Total	0.0712	1.0209	0.5639	4.4400e-003	0.1865	2.8300e-003	0.1894	0.0519	2.7000e-003	0.0546		468.7046	468.7046	0.0190		469.1785

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8239	6.4014	7.0821	0.0231		0.2117	0.2117		0.1947	0.1947	0.0000	2,239.9099	2,239.9099	0.7244		2,258.0207
Total	0.8239	6.4014	7.0821	0.0231		0.2117	0.2117		0.1947	0.1947	0.0000	2,239.9099	2,239.9099	0.7244		2,258.0207

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.17 70-kV Substation Steel Bus Erection - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0344	0.9957	0.3276	3.8000e-003	0.1083	2.3400e-003	0.1107	0.0312	2.2400e-003	0.0334		405.0669	405.0669	0.0172		405.4964
Worker	0.0368	0.0252	0.2363	6.4000e-004	0.0782	4.9000e-004	0.0787	0.0208	4.6000e-004	0.0212		63.6377	63.6377	1.7800e-003		63.6821
Total	0.0712	1.0209	0.5639	4.4400e-003	0.1865	2.8300e-003	0.1894	0.0519	2.7000e-003	0.0546		468.7046	468.7046	0.0190		469.1785

3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8288	13.5256	13.6033	0.0467		0.5180	0.5180		0.4830	0.4830		4,507.8392	4,507.8392	1.3491		4,541.5672
Total	1.8288	13.5256	13.6033	0.0467		0.5180	0.5180		0.4830	0.4830		4,507.8392	4,507.8392	1.3491		4,541.5672

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0440	1.6762	0.5328	2.3200e-003	0.0327	1.3000e-003	0.0340	9.4700e-003	1.2500e-003	0.0107		248.2154	248.2154	0.0226		248.7809
Worker	0.0526	0.0367	0.3385	9.5000e-004	0.1167	7.2000e-004	0.1174	0.0310	6.6000e-004	0.0316		94.3874	94.3874	2.5900e-003		94.4520
Total	0.0965	1.7129	0.8713	3.2700e-003	0.1493	2.0200e-003	0.1514	0.0404	1.9100e-003	0.0423		342.6027	342.6027	0.0252		343.2329

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8288	13.5256	13.6033	0.0467		0.5180	0.5180		0.4830	0.4830	0.0000	4,507.8392	4,507.8392	1.3491		4,541.5671
Total	1.8288	13.5256	13.6033	0.0467		0.5180	0.5180		0.4830	0.4830	0.0000	4,507.8392	4,507.8392	1.3491		4,541.5671

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0440	1.6762	0.5328	2.3200e-003	0.0327	1.3000e-003	0.0340	9.4700e-003	1.2500e-003	0.0107		248.2154	248.2154	0.0226		248.7809
Worker	0.0526	0.0367	0.3385	9.5000e-004	0.1167	7.2000e-004	0.1174	0.0310	6.6000e-004	0.0316		94.3874	94.3874	2.5900e-003		94.4520
Total	0.0965	1.7129	0.8713	3.2700e-003	0.1493	2.0200e-003	0.1514	0.0404	1.9100e-003	0.0423		342.6027	342.6027	0.0252		343.2329

3.19 230-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2636	2.8616	1.3758	4.3300e-003		0.1195	0.1195		0.1099	0.1099		419.1144	419.1144	0.1356		422.5032
Total	0.2636	2.8616	1.3758	4.3300e-003		0.1195	0.1195		0.1099	0.1099		419.1144	419.1144	0.1356		422.5032

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.19 230-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6500e-003	0.2213	0.0728	8.4000e-004	0.0241	5.2000e-004	0.0246	6.9200e-003	5.0000e-004	7.4200e-003		90.0149	90.0149	3.8200e-003		90.1103
Worker	0.0394	0.0280	0.2547	7.4000e-004	0.0913	5.5000e-004	0.0918	0.0242	5.1000e-004	0.0247		73.4333	73.4333	1.9700e-003		73.4826
Total	0.0471	0.2492	0.3275	1.5800e-003	0.1154	1.0700e-003	0.1164	0.0311	1.0100e-003	0.0321		163.4482	163.4482	5.7900e-003		163.5929

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2636	2.8616	1.3758	4.3300e-003		0.1195	0.1195		0.1099	0.1099	0.0000	419.1144	419.1144	0.1356		422.5032
Total	0.2636	2.8616	1.3758	4.3300e-003		0.1195	0.1195		0.1099	0.1099	0.0000	419.1144	419.1144	0.1356		422.5032

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.19 230-kV Substation Control Enclosure Delivery and Install - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6500e-003	0.2213	0.0728	8.4000e-004	0.0241	5.2000e-004	0.0246	6.9200e-003	5.0000e-004	7.4200e-003		90.0149	90.0149	3.8200e-003		90.1103
Worker	0.0394	0.0280	0.2547	7.4000e-004	0.0913	5.5000e-004	0.0918	0.0242	5.1000e-004	0.0247		73.4333	73.4333	1.9700e-003		73.4826
Total	0.0471	0.2492	0.3275	1.5800e-003	0.1154	1.0700e-003	0.1164	0.0311	1.0100e-003	0.0321		163.4482	163.4482	5.7900e-003		163.5929

3.20 230-kV Substation Remaining Equipment Delivery and Install - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3779	2.6759	2.4664	9.9200e-003		0.0968	0.0968		0.0890	0.0890		959.9164	959.9164	0.3105		967.6778
Total	0.3779	2.6759	2.4664	9.9200e-003		0.0968	0.0968		0.0890	0.0890		959.9164	959.9164	0.3105		967.6778

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.20 230-kV Substation Remaining Equipment Delivery and Install - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0421	1.5890	0.5056	2.3200e-003	0.0354	1.3100e-003	0.0367	0.0103	1.2600e-003	0.0115		248.1591	248.1591	0.0216		248.6998
Worker	0.0296	0.0210	0.1910	5.5000e-004	0.0685	4.1000e-004	0.0689	0.0182	3.8000e-004	0.0185		55.0750	55.0750	1.4800e-003		55.1120
Total	0.0717	1.6100	0.6966	2.8700e-003	0.1039	1.7200e-003	0.1056	0.0284	1.6400e-003	0.0301		303.2341	303.2341	0.0231		303.8118

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3779	2.6759	2.4664	9.9200e-003		0.0968	0.0968		0.0890	0.0890	0.0000	959.9164	959.9164	0.3105		967.6778
Total	0.3779	2.6759	2.4664	9.9200e-003		0.0968	0.0968		0.0890	0.0890	0.0000	959.9164	959.9164	0.3105		967.6778

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.20 230-kV Substation Remaining Equipment Delivery and Install - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0421	1.5890	0.5056	2.3200e-003	0.0354	1.3100e-003	0.0367	0.0103	1.2600e-003	0.0115		248.1591	248.1591	0.0216		248.6998
Worker	0.0296	0.0210	0.1910	5.5000e-004	0.0685	4.1000e-004	0.0689	0.0182	3.8000e-004	0.0185		55.0750	55.0750	1.4800e-003		55.1120
Total	0.0717	1.6100	0.6966	2.8700e-003	0.1039	1.7200e-003	0.1056	0.0284	1.6400e-003	0.0301		303.2341	303.2341	0.0231		303.8118

3.21 230-kV Transmission Conductor - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7984	15.7207	10.7044	0.0394		0.6165	0.6165		0.5672	0.5672		3,817.1203	3,817.1203	1.2345		3,847.9837
Total	1.7984	15.7207	10.7044	0.0394		0.6165	0.6165		0.5672	0.5672		3,817.1203	3,817.1203	1.2345		3,847.9837

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.21 230-kV Transmission Conductor - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0421	1.2169	0.4004	4.6400e-003	0.1324	2.8600e-003	0.1352	0.0381	2.7400e-003	0.0408		495.0818	495.0818	0.0210		495.6067
Worker	0.1249	0.0886	0.8065	2.3300e-003	0.2891	1.7500e-003	0.2908	0.0767	1.6100e-003	0.0783		232.5389	232.5389	6.2500e-003		232.6950
Total	0.1670	1.3055	1.2069	6.9700e-003	0.4214	4.6100e-003	0.4261	0.1148	4.3500e-003	0.1191		727.6207	727.6207	0.0272		728.3017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7984	15.7207	10.7044	0.0394		0.6165	0.6165		0.5672	0.5672	0.0000	3,817.1203	3,817.1203	1.2345		3,847.9837
Total	1.7984	15.7207	10.7044	0.0394		0.6165	0.6165		0.5672	0.5672	0.0000	3,817.1203	3,817.1203	1.2345		3,847.9837

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.21 230-kV Transmission Conductor - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0421	1.2169	0.4004	4.6400e-003	0.1324	2.8600e-003	0.1352	0.0381	2.7400e-003	0.0408		495.0818	495.0818	0.0210		495.6067
Worker	0.1249	0.0886	0.8065	2.3300e-003	0.2891	1.7500e-003	0.2908	0.0767	1.6100e-003	0.0783		232.5389	232.5389	6.2500e-003		232.6950
Total	0.1670	1.3055	1.2069	6.9700e-003	0.4214	4.6100e-003	0.4261	0.1148	4.3500e-003	0.1191		727.6207	727.6207	0.0272		728.3017

3.22 70-kV Substation Equip Delivery & Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3679	2.8885	3.2533	0.0104		0.0945	0.0945		0.0870	0.0870		1,007.9647	1,007.9647	0.3260		1,016.1146
Total	0.3679	2.8885	3.2533	0.0104		0.0945	0.0945		0.0870	0.0870		1,007.9647	1,007.9647	0.3260		1,016.1146

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.22 70-kV Substation Equip Delivery & Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0459	1.3275	0.4368	5.0600e-003	0.1444	3.1200e-003	0.1475	0.0415	2.9900e-003	0.0445		540.0893	540.0893	0.0229		540.6618
Worker	0.0434	0.0299	0.2790	7.6000e-004	0.0935	5.9000e-004	0.0941	0.0248	5.4000e-004	0.0254		75.9476	75.9476	2.1100e-003		76.0003
Total	0.0893	1.3575	0.7157	5.8200e-003	0.2379	3.7100e-003	0.2416	0.0664	3.5300e-003	0.0699		616.0368	616.0368	0.0250		616.6621

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3679	2.8885	3.2533	0.0104		0.0945	0.0945		0.0870	0.0870	0.0000	1,007.9647	1,007.9647	0.3260		1,016.1146
Total	0.3679	2.8885	3.2533	0.0104		0.0945	0.0945		0.0870	0.0870	0.0000	1,007.9647	1,007.9647	0.3260		1,016.1146

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.22 70-kV Substation Equip Delivery & Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0459	1.3275	0.4368	5.0600e-003	0.1444	3.1200e-003	0.1475	0.0415	2.9900e-003	0.0445		540.0893	540.0893	0.0229		540.6618
Worker	0.0434	0.0299	0.2790	7.6000e-004	0.0935	5.9000e-004	0.0941	0.0248	5.4000e-004	0.0254		75.9476	75.9476	2.1100e-003		76.0003
Total	0.0893	1.3575	0.7157	5.8200e-003	0.2379	3.7100e-003	0.2416	0.0664	3.5300e-003	0.0699		616.0368	616.0368	0.0250		616.6621

3.23 70-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.23 70-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6500e-003	0.2213	0.0728	8.4000e-004	0.0241	5.2000e-004	0.0246	6.9200e-003	5.0000e-004	7.4200e-003		90.0149	90.0149	3.8200e-003		90.1103
Worker	0.0372	0.0261	0.2396	6.8000e-004	0.0843	5.1000e-004	0.0848	0.0224	4.7000e-004	0.0228		67.9661	67.9661	1.8400e-003		68.0122
Total	0.0448	0.2474	0.3124	1.5200e-003	0.1083	1.0300e-003	0.1094	0.0293	9.7000e-004	0.0303		157.9810	157.9810	5.6600e-003		158.1225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.23 70-kV Substation Control Enclosure Delivery and Install - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6500e-003	0.2213	0.0728	8.4000e-004	0.0241	5.2000e-004	0.0246	6.9200e-003	5.0000e-004	7.4200e-003		90.0149	90.0149	3.8200e-003		90.1103
Worker	0.0372	0.0261	0.2396	6.8000e-004	0.0843	5.1000e-004	0.0848	0.0224	4.7000e-004	0.0228		67.9661	67.9661	1.8400e-003		68.0122
Total	0.0448	0.2474	0.3124	1.5200e-003	0.1083	1.0300e-003	0.1094	0.0293	9.7000e-004	0.0303		157.9810	157.9810	5.6600e-003		158.1225

3.24 230-kV Transmission Site Clean-up and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4591	5.4209	2.8083	8.1800e-003		0.1887	0.1887		0.1736	0.1736		791.6434	791.6434	0.2560		798.0443
Total	0.4591	5.4209	2.8083	8.1800e-003		0.1887	0.1887		0.1736	0.1736		791.6434	791.6434	0.2560		798.0443

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.24 230-kV Transmission Site Clean-up and Restoration - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0344	0.9957	0.3276	3.8000e-003	0.1083	2.3400e-003	0.1107	0.0312	2.2400e-003	0.0334		405.0669	405.0669	0.0172		405.4964
Worker	0.0460	0.0326	0.2971	8.6000e-004	0.1065	6.4000e-004	0.1071	0.0283	5.9000e-004	0.0288		85.6722	85.6722	2.3000e-003		85.7297
Total	0.0804	1.0283	0.6247	4.6600e-003	0.2148	2.9800e-003	0.2178	0.0594	2.8300e-003	0.0622		490.7392	490.7392	0.0195		491.2261

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4591	5.4209	2.8083	8.1800e-003		0.1887	0.1887		0.1736	0.1736	0.0000	791.6434	791.6434	0.2560		798.0443
Total	0.4591	5.4209	2.8083	8.1800e-003		0.1887	0.1887		0.1736	0.1736	0.0000	791.6434	791.6434	0.2560		798.0443

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.24 230-kV Transmission Site Clean-up and Restoration - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0344	0.9957	0.3276	3.8000e-003	0.1083	2.3400e-003	0.1107	0.0312	2.2400e-003	0.0334		405.0669	405.0669	0.0172		405.4964
Worker	0.0460	0.0326	0.2971	8.6000e-004	0.1065	6.4000e-004	0.1071	0.0283	5.9000e-004	0.0288		85.6722	85.6722	2.3000e-003		85.7297
Total	0.0804	1.0283	0.6247	4.6600e-003	0.2148	2.9800e-003	0.2178	0.0594	2.8300e-003	0.0622		490.7392	490.7392	0.0195		491.2261

3.25 230-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0341	0.5248	1.0747	1.6500e-003		9.0700e-003	9.0700e-003		8.3400e-003	8.3400e-003		160.0386	160.0386	0.0518		161.3326
Total	0.0341	0.5248	1.0747	1.6500e-003		9.0700e-003	9.0700e-003		8.3400e-003	8.3400e-003		160.0386	160.0386	0.0518		161.3326

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.25 230-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0115	0.3319	0.1092	1.2700e-003	0.0361	7.8000e-004	0.0369	0.0104	7.5000e-004	0.0111		135.0223	135.0223	5.7300e-003		135.1655
Worker	0.0329	0.0233	0.2122	6.1000e-004	0.0761	4.6000e-004	0.0765	0.0202	4.2000e-004	0.0206		61.1944	61.1944	1.6400e-003		61.2355
Total	0.0443	0.3552	0.3214	1.8800e-003	0.1122	1.2400e-003	0.1134	0.0306	1.1700e-003	0.0317		196.2167	196.2167	7.3700e-003		196.4010

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0341	0.5248	1.0747	1.6500e-003		9.0700e-003	9.0700e-003		8.3400e-003	8.3400e-003	0.0000	160.0386	160.0386	0.0518		161.3326
Total	0.0341	0.5248	1.0747	1.6500e-003		9.0700e-003	9.0700e-003		8.3400e-003	8.3400e-003	0.0000	160.0386	160.0386	0.0518		161.3326

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.25 230-kV Substation Cable Installation and Termination - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0115	0.3319	0.1092	1.2700e-003	0.0361	7.8000e-004	0.0369	0.0104	7.5000e-004	0.0111		135.0223	135.0223	5.7300e-003		135.1655
Worker	0.0329	0.0233	0.2122	6.1000e-004	0.0761	4.6000e-004	0.0765	0.0202	4.2000e-004	0.0206		61.1944	61.1944	1.6400e-003		61.2355
Total	0.0443	0.3552	0.3214	1.8800e-003	0.1122	1.2400e-003	0.1134	0.0306	1.1700e-003	0.0317		196.2167	196.2167	7.3700e-003		196.4010

3.26 230-kV Substation Testing and Commissioning - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.26 230-kV Substation Testing and Commissioning - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0994	2.8763	0.9463	0.0110	0.3129	6.7700e-003	0.3197	0.0900	6.4700e-003	0.0965		1,170.1934	1,170.1934	0.0496		1,171.4339
Worker	0.0299	0.0203	0.1918	5.1000e-004	0.0620	4.0000e-004	0.0624	0.0165	3.7000e-004	0.0168		50.6414	50.6414	1.4300e-003		50.6772
Total	0.1293	2.8967	1.1381	0.0115	0.3749	7.1700e-003	0.3821	0.1065	6.8400e-003	0.1133		1,220.8348	1,220.8348	0.0511		1,222.1111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.26 230-kV Substation Testing and Commissioning - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0994	2.8763	0.9463	0.0110	0.3129	6.7700e-003	0.3197	0.0900	6.4700e-003	0.0965		1,170.1934	1,170.1934	0.0496		1,171.4339
Worker	0.0299	0.0203	0.1918	5.1000e-004	0.0620	4.0000e-004	0.0624	0.0165	3.7000e-004	0.0168		50.6414	50.6414	1.4300e-003		50.6772
Total	0.1293	2.8967	1.1381	0.0115	0.3749	7.1700e-003	0.3821	0.1065	6.8400e-003	0.1133		1,220.8348	1,220.8348	0.0511		1,222.1111

3.27 70-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.27 70-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0115	0.3319	0.1092	1.2700e-003	0.0361	7.8000e-004	0.0369	0.0104	7.5000e-004	0.0111		135.0223	135.0223	5.7300e-003		135.1655
Worker	0.0297	0.0202	0.1904	5.0000e-004	0.0614	3.9000e-004	0.0618	0.0163	3.6000e-004	0.0167		50.1444	50.1444	1.4200e-003		50.1799
Total	0.0412	0.3520	0.2996	1.7700e-003	0.0975	1.1700e-003	0.0987	0.0267	1.1100e-003	0.0278		185.1667	185.1667	7.1500e-003		185.3454

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.27 70-kV Substation Cable Installation and Termination - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0115	0.3319	0.1092	1.2700e-003	0.0361	7.8000e-004	0.0369	0.0104	7.5000e-004	0.0111		135.0223	135.0223	5.7300e-003		135.1655
Worker	0.0297	0.0202	0.1904	5.0000e-004	0.0614	3.9000e-004	0.0618	0.0163	3.6000e-004	0.0167		50.1444	50.1444	1.4200e-003		50.1799
Total	0.0412	0.3520	0.2996	1.7700e-003	0.0975	1.1700e-003	0.0987	0.0267	1.1100e-003	0.0278		185.1667	185.1667	7.1500e-003		185.3454

3.28 70-kV Power Line Site Development Mobilization - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	0.6509	7.7474	3.6546	0.0115		0.2640	0.2640		0.2429	0.2429		1,112.0710	1,112.0710	0.3597		1,121.0627
Total	0.6509	7.7474	3.6546	0.0115	1.5908	0.2640	1.8548	0.1718	0.2429	0.4147		1,112.0710	1,112.0710	0.3597		1,121.0627

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.28 70-kV Power Line Site Development Mobilization - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0382	1.1063	0.3640	4.2200e-003	0.1203	2.6000e-003	0.1229	0.0346	2.4900e-003	0.0371		450.0744	450.0744	0.0191		450.5515
Worker	0.0592	0.0414	0.3814	1.0700e-003	0.1321	8.1000e-004	0.1329	0.0350	7.5000e-004	0.0358		106.7683	106.7683	2.9200e-003		106.8412
Total	0.0975	1.1477	0.7453	5.2900e-003	0.2524	3.4100e-003	0.2558	0.0697	3.2400e-003	0.0729		556.8426	556.8426	0.0220		557.3927

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	0.6509	7.7474	3.6546	0.0115		0.2640	0.2640		0.2429	0.2429	0.0000	1,112.0710	1,112.0710	0.3597		1,121.0626
Total	0.6509	7.7474	3.6546	0.0115	0.6204	0.2640	0.8844	0.0670	0.2429	0.3099	0.0000	1,112.0710	1,112.0710	0.3597		1,121.0626

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.28 70-kV Power Line Site Development Mobilization - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0382	1.1063	0.3640	4.2200e-003	0.1203	2.6000e-003	0.1229	0.0346	2.4900e-003	0.0371		450.0744	450.0744	0.0191		450.5515
Worker	0.0592	0.0414	0.3814	1.0700e-003	0.1321	8.1000e-004	0.1329	0.0350	7.5000e-004	0.0358		106.7683	106.7683	2.9200e-003		106.8412
Total	0.0975	1.1477	0.7453	5.2900e-003	0.2524	3.4100e-003	0.2558	0.0697	3.2400e-003	0.0729		556.8426	556.8426	0.0220		557.3927

3.29 Reconductoring Segment Clean-up and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3977	0.0000	0.3977	0.0429	0.0000	0.0429			0.0000			0.0000
Off-Road	0.3633	4.2576	2.3851	6.5200e-003		0.1510	0.1510		0.1389	0.1389		631.4296	631.4296	0.2042		636.5351
Total	0.3633	4.2576	2.3851	6.5200e-003	0.3977	0.1510	0.5487	0.0429	0.1389	0.1818		631.4296	631.4296	0.2042		636.5351

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.29 Reconductoring Segment Clean-up and Restoration - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0191	0.5531	0.1820	2.1100e-003	0.0602	1.3000e-003	0.0615	0.0173	1.2500e-003	0.0186		225.0372	225.0372	9.5400e-003		225.2758
Worker	0.0457	0.0317	0.2938	8.2000e-004	0.1004	6.2000e-004	0.1011	0.0267	5.7000e-004	0.0272		81.3438	81.3438	2.2400e-003		81.3997
Total	0.0648	0.5849	0.4758	2.9300e-003	0.1606	1.9200e-003	0.1625	0.0440	1.8200e-003	0.0458		306.3810	306.3810	0.0118		306.6755

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1551	0.0000	0.1551	0.0168	0.0000	0.0168			0.0000			0.0000
Off-Road	0.3633	4.2576	2.3851	6.5200e-003		0.1510	0.1510		0.1389	0.1389	0.0000	631.4296	631.4296	0.2042		636.5351
Total	0.3633	4.2576	2.3851	6.5200e-003	0.1551	0.1510	0.3061	0.0168	0.1389	0.1556	0.0000	631.4296	631.4296	0.2042		636.5351

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.29 Reconductoring Segment Clean-up and Restoration - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0191	0.5531	0.1820	2.1100e-003	0.0602	1.3000e-003	0.0615	0.0173	1.2500e-003	0.0186		225.0372	225.0372	9.5400e-003		225.2758
Worker	0.0457	0.0317	0.2938	8.2000e-004	0.1004	6.2000e-004	0.1011	0.0267	5.7000e-004	0.0272		81.3438	81.3438	2.2400e-003		81.3997
Total	0.0648	0.5849	0.4758	2.9300e-003	0.1606	1.9200e-003	0.1625	0.0440	1.8200e-003	0.0458		306.3810	306.3810	0.0118		306.6755

3.30 70-kV Power Line Pole Tower Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9144	14.9150	14.1297	0.0472		0.5804	0.5804		0.5340	0.5340		4,571.4399	4,571.4399	1.4785		4,608.4023
Total	1.9144	14.9150	14.1297	0.0472		0.5804	0.5804		0.5340	0.5340		4,571.4399	4,571.4399	1.4785		4,608.4023

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.30 70-kV Power Line Pole Tower Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0573	1.6594	0.5460	6.3300e-003	0.1805	3.9100e-003	0.1844	0.0519	3.7400e-003	0.0557		675.1116	675.1116	0.0286		675.8273
Worker	0.1161	0.0805	0.7463	2.0700e-003	0.2543	1.5800e-003	0.2558	0.0675	1.4600e-003	0.0689		206.0175	206.0175	5.6800e-003		206.1594
Total	0.1734	1.7399	1.2922	8.4000e-003	0.4348	5.4900e-003	0.4403	0.1194	5.2000e-003	0.1246		881.1290	881.1290	0.0343		881.9866

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9144	14.9150	14.1297	0.0472		0.5804	0.5804		0.5340	0.5340	0.0000	4,571.4399	4,571.4399	1.4785		4,608.4023
Total	1.9144	14.9150	14.1297	0.0472		0.5804	0.5804		0.5340	0.5340	0.0000	4,571.4399	4,571.4399	1.4785		4,608.4023

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.30 70-kV Power Line Pole Tower Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0573	1.6594	0.5460	6.3300e-003	0.1805	3.9100e-003	0.1844	0.0519	3.7400e-003	0.0557		675.1116	675.1116	0.0286		675.8273
Worker	0.1161	0.0805	0.7463	2.0700e-003	0.2543	1.5800e-003	0.2558	0.0675	1.4600e-003	0.0689		206.0175	206.0175	5.6800e-003		206.1594
Total	0.1734	1.7399	1.2922	8.4000e-003	0.4348	5.4900e-003	0.4403	0.1194	5.2000e-003	0.1246		881.1290	881.1290	0.0343		881.9866

3.31 70-kV Substation Install Yard Rock - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7203	5.9683	6.9052	0.0184		0.2341	0.2341		0.2154	0.2154		1,781.9512	1,781.9512	0.5763		1,796.3592
Total	0.7203	5.9683	6.9052	0.0184		0.2341	0.2341		0.2154	0.2154		1,781.9512	1,781.9512	0.5763		1,796.3592

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.31 70-kV Substation Install Yard Rock - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0612	1.7700	0.5824	6.7500e-003	0.1925	4.1700e-003	0.1967	0.0554	3.9800e-003	0.0594		720.1190	720.1190	0.0305		720.8824
Worker	0.0394	0.0280	0.2547	7.4000e-004	0.0913	5.5000e-004	0.0918	0.0242	5.1000e-004	0.0247		73.4333	73.4333	1.9700e-003		73.4826
Total	0.1006	1.7980	0.8370	7.4900e-003	0.2838	4.7200e-003	0.2886	0.0796	4.4900e-003	0.0841		793.5523	793.5523	0.0325		794.3650

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7203	5.9683	6.9052	0.0184		0.2341	0.2341		0.2154	0.2154	0.0000	1,781.9512	1,781.9512	0.5763		1,796.3592
Total	0.7203	5.9683	6.9052	0.0184		0.2341	0.2341		0.2154	0.2154	0.0000	1,781.9512	1,781.9512	0.5763		1,796.3592

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.31 70-kV Substation Install Yard Rock - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0612	1.7700	0.5824	6.7500e-003	0.1925	4.1700e-003	0.1967	0.0554	3.9800e-003	0.0594		720.1190	720.1190	0.0305		720.8824
Worker	0.0394	0.0280	0.2547	7.4000e-004	0.0913	5.5000e-004	0.0918	0.0242	5.1000e-004	0.0247		73.4333	73.4333	1.9700e-003		73.4826
Total	0.1006	1.7980	0.8370	7.4900e-003	0.2838	4.7200e-003	0.2886	0.0796	4.4900e-003	0.0841		793.5523	793.5523	0.0325		794.3650

3.32 230-kV Substation Cleanup and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2353	2.3090	3.1169	4.2600e-003		0.1235	0.1235		0.1137	0.1137		412.1960	412.1960	0.1333		415.5288
Total	0.2353	2.3090	3.1169	4.2600e-003	0.0000	0.1235	0.1235	0.0000	0.1137	0.1137		412.1960	412.1960	0.1333		415.5288

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.32 230-kV Substation Cleanup and Restoration - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1109	3.2082	1.0555	0.0122	0.3490	7.5500e-003	0.3565	0.1004	7.2200e-003	0.1076		1,305.2157	1,305.2157	0.0554		1,306.5994
Worker	0.0217	0.0150	0.1395	3.8000e-004	0.0468	2.9000e-004	0.0471	0.0124	2.7000e-004	0.0127		37.9738	37.9738	1.0500e-003		38.0001
Total	0.1326	3.2232	1.1950	0.0126	0.3957	7.8400e-003	0.4036	0.1128	7.4900e-003	0.1203		1,343.1895	1,343.1895	0.0564		1,344.5995

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2353	2.3090	3.1169	4.2600e-003		0.1235	0.1235		0.1137	0.1137	0.0000	412.1960	412.1960	0.1333		415.5288
Total	0.2353	2.3090	3.1169	4.2600e-003	0.0000	0.1235	0.1235	0.0000	0.1137	0.1137	0.0000	412.1960	412.1960	0.1333		415.5288

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.32 230-kV Substation Cleanup and Restoration - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1109	3.2082	1.0555	0.0122	0.3490	7.5500e-003	0.3565	0.1004	7.2200e-003	0.1076		1,305.2157	1,305.2157	0.0554		1,306.5994
Worker	0.0217	0.0150	0.1395	3.8000e-004	0.0468	2.9000e-004	0.0471	0.0124	2.7000e-004	0.0127		37.9738	37.9738	1.0500e-003		38.0001
Total	0.1326	3.2232	1.1950	0.0126	0.3957	7.8400e-003	0.4036	0.1128	7.4900e-003	0.1203		1,343.1895	1,343.1895	0.0564		1,344.5995

3.33 70-kV Cleanup and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.33 70-kV Cleanup and Restoration - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0283	0.0196	0.1819	5.0000e-004	0.0619	3.9000e-004	0.0623	0.0164	3.6000e-004	0.0168		50.1890	50.1890	1.3800e-003		50.2236
Total	0.0283	0.0196	0.1819	5.0000e-004	0.0619	3.9000e-004	0.0623	0.0164	3.6000e-004	0.0168		50.1890	50.1890	1.3800e-003		50.2236

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.33 70-kV Cleanup and Restoration - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0283	0.0196	0.1819	5.0000e-004	0.0619	3.9000e-004	0.0623	0.0164	3.6000e-004	0.0168		50.1890	50.1890	1.3800e-003		50.2236
Total	0.0283	0.0196	0.1819	5.0000e-004	0.0619	3.9000e-004	0.0623	0.0164	3.6000e-004	0.0168		50.1890	50.1890	1.3800e-003		50.2236

3.34 70-kV Substation Testing and Commissioning - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.34 70-kV Substation Testing and Commissioning - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6500e-003	0.2213	0.0728	8.4000e-004	0.0241	5.2000e-004	0.0246	6.9200e-003	5.0000e-004	7.4200e-003		90.0149	90.0149	3.8200e-003		90.1103
Worker	0.0349	0.0243	0.2243	6.3000e-004	0.0772	4.8000e-004	0.0776	0.0205	4.4000e-004	0.0209		62.4279	62.4279	1.7100e-003		62.4707
Total	0.0425	0.2455	0.2971	1.4700e-003	0.1012	1.0000e-003	0.1022	0.0274	9.4000e-004	0.0283		152.4428	152.4428	5.5300e-003		152.5810

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.34 70-kV Substation Testing and Commissioning - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6500e-003	0.2213	0.0728	8.4000e-004	0.0241	5.2000e-004	0.0246	6.9200e-003	5.0000e-004	7.4200e-003		90.0149	90.0149	3.8200e-003		90.1103
Worker	0.0349	0.0243	0.2243	6.3000e-004	0.0772	4.8000e-004	0.0776	0.0205	4.4000e-004	0.0209		62.4279	62.4279	1.7100e-003		62.4707
Total	0.0425	0.2455	0.2971	1.4700e-003	0.1012	1.0000e-003	0.1022	0.0274	9.4000e-004	0.0283		152.4428	152.4428	5.5300e-003		152.5810

3.35 70-kV Power Line Conductor Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4583	21.0710	16.4869	0.0538		0.8689	0.8689		0.7994	0.7994		5,204.5755	5,204.5755	1.6833		5,246.6571
Total	2.4583	21.0710	16.4869	0.0538		0.8689	0.8689		0.7994	0.7994		5,204.5755	5,204.5755	1.6833		5,246.6571

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.35 70-kV Power Line Conductor Installation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0382	1.1063	0.3640	4.2200e-003	0.1203	2.6000e-003	0.1229	0.0346	2.4900e-003	0.0371		450.0744	450.0744	0.0191		450.5515
Worker	0.0938	0.0654	0.6039	1.6900e-003	0.2084	1.2900e-003	0.2097	0.0553	1.1900e-003	0.0565		168.5571	168.5571	4.6100e-003		168.6724
Total	0.1320	1.1717	0.9679	5.9100e-003	0.3288	3.8900e-003	0.3326	0.0899	3.6800e-003	0.0936		618.6315	618.6315	0.0237		619.2240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4583	21.0710	16.4869	0.0538		0.8689	0.8689		0.7994	0.7994	0.0000	5,204.5755	5,204.5755	1.6833		5,246.6571
Total	2.4583	21.0710	16.4869	0.0538		0.8689	0.8689		0.7994	0.7994	0.0000	5,204.5755	5,204.5755	1.6833		5,246.6571

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.35 70-kV Power Line Conductor Installation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0382	1.1063	0.3640	4.2200e-003	0.1203	2.6000e-003	0.1229	0.0346	2.4900e-003	0.0371		450.0744	450.0744	0.0191		450.5515
Worker	0.0938	0.0654	0.6039	1.6900e-003	0.2084	1.2900e-003	0.2097	0.0553	1.1900e-003	0.0565		168.5571	168.5571	4.6100e-003		168.6724
Total	0.1320	1.1717	0.9679	5.9100e-003	0.3288	3.8900e-003	0.3326	0.0899	3.6800e-003	0.0936		618.6315	618.6315	0.0237		619.2240

3.35 70-kV Power Line Conductor Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3759	19.5109	16.2391	0.0538		0.7922	0.7922		0.7288	0.7288		5,205.8190	5,205.8190	1.6837		5,247.9107
Total	2.3759	19.5109	16.2391	0.0538		0.7922	0.7922		0.7288	0.7288		5,205.8190	5,205.8190	1.6837		5,247.9107

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.35 70-kV Power Line Conductor Installation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0365	1.0691	0.3463	4.1900e-003	0.1204	2.4100e-003	0.1228	0.0346	2.3000e-003	0.0369		447.6140	447.6140	0.0193		448.0965
Worker	0.0884	0.0590	0.5556	1.6300e-003	0.2084	1.2600e-003	0.2097	0.0553	1.1600e-003	0.0565		162.0112	162.0112	4.1300e-003		162.1145
Total	0.1249	1.1281	0.9020	5.8200e-003	0.3288	3.6700e-003	0.3324	0.0899	3.4600e-003	0.0934		609.6252	609.6252	0.0234		610.2111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3759	19.5109	16.2391	0.0538		0.7922	0.7922		0.7288	0.7288	0.0000	5,205.8190	5,205.8190	1.6837		5,247.9107
Total	2.3759	19.5109	16.2391	0.0538		0.7922	0.7922		0.7288	0.7288	0.0000	5,205.8190	5,205.8190	1.6837		5,247.9107

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.35 70-kV Power Line Conductor Installation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0365	1.0691	0.3463	4.1900e-003	0.1204	2.4100e-003	0.1228	0.0346	2.3000e-003	0.0369		447.6140	447.6140	0.0193		448.0965
Worker	0.0884	0.0590	0.5556	1.6300e-003	0.2084	1.2600e-003	0.2097	0.0553	1.1600e-003	0.0565		162.0112	162.0112	4.1300e-003		162.1145
Total	0.1249	1.1281	0.9020	5.8200e-003	0.3288	3.6700e-003	0.3324	0.0899	3.4600e-003	0.0934		609.6252	609.6252	0.0234		610.2111

3.36 70-kV Power Line Clean-up and Restoration - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3977	0.0000	0.3977	0.0429	0.0000	0.0429			0.0000			0.0000
Off-Road	0.3379	3.8409	2.3601	6.5200e-003		0.1343	0.1343		0.1236	0.1236		631.2640	631.2640	0.2042		636.3681
Total	0.3379	3.8409	2.3601	6.5200e-003	0.3977	0.1343	0.5320	0.0429	0.1236	0.1665		631.2640	631.2640	0.2042		636.3681

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.36 70-kV Power Line Clean-up and Restoration - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0255	0.7484	0.2424	2.9300e-003	0.0843	1.6900e-003	0.0859	0.0242	1.6100e-003	0.0259		313.3298	313.3298	0.0135		313.6676
Worker	0.0465	0.0313	0.2928	8.7000e-004	0.1117	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		86.6465	86.6465	2.1900e-003		86.7013
Total	0.0721	0.7796	0.5352	3.8000e-003	0.1960	2.3600e-003	0.1984	0.0539	2.2200e-003	0.0561		399.9763	399.9763	0.0157		400.3689

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1551	0.0000	0.1551	0.0168	0.0000	0.0168			0.0000			0.0000
Off-Road	0.3379	3.8409	2.3601	6.5200e-003		0.1343	0.1343		0.1236	0.1236	0.0000	631.2640	631.2640	0.2042		636.3681
Total	0.3379	3.8409	2.3601	6.5200e-003	0.1551	0.1343	0.2894	0.0168	0.1236	0.1403	0.0000	631.2640	631.2640	0.2042		636.3681

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

3.36 70-kV Power Line Clean-up and Restoration - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0255	0.7484	0.2424	2.9300e-003	0.0843	1.6900e-003	0.0859	0.0242	1.6100e-003	0.0259		313.3298	313.3298	0.0135		313.6676
Worker	0.0465	0.0313	0.2928	8.7000e-004	0.1117	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		86.6465	86.6465	2.1900e-003		86.7013
Total	0.0721	0.7796	0.5352	3.8000e-003	0.1960	2.3600e-003	0.1984	0.0539	2.2200e-003	0.0561		399.9763	399.9763	0.0157		400.3689

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	13.00	5.00	5.00	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.588806	0.027737	0.198305	0.114471	0.022249	0.005748	0.012759	0.019721	0.002316	0.001163	0.004776	0.000758	0.001192

5.0 Energy Detail

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
NaturalGas Unmitigated	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	391.452	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
Total		4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.391452	4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269
Total		4.2200e-003	0.0384	0.0322	2.3000e-004		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		46.0532	46.0532	8.8000e-004	8.4000e-004	46.3269

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Unmitigated	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	152.8816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0672	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Total	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	152.8816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0672	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655
Total	152.9488	6.6100e-003	0.7282	5.0000e-005		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		1.5635	1.5635	4.0800e-003		1.6655

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Winter

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Off-Highway Trucks	1	4.00	13	402	0.38	Diesel
Off-Highway Trucks	1	4.00	12	402	0.38	Diesel
Other General Industrial Equipment	1	8.00	2	400	0.34	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Off-Highway Trucks	0.4970	3.3279	3.2502	0.0132		0.1198	0.1198		0.1102	0.1102		1,280.3504	1,280.3504	0.4141		1,290.7027
Other General Industrial Equipment	0.3779	2.7653	2.6630	0.0117		0.0948	0.0948		0.0872	0.0872		1,134.3814	1,134.3814	0.3669		1,143.5535
Total	0.8750	6.0932	5.9132	0.0250		0.2146	0.2146		0.1974	0.1974		2,414.7318	2,414.7318	0.7810		2,434.2562

10.0 Stationary Equipment

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Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	7,144.00	1000sqft	164.00	7,144,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The total area in power line the easement widths, substation temp disturbance, areas for temporary staging and access roads outside of the easement equals approximately 164 acres or a 7,144,000 square feet area

Construction Phase - Based on project schedule and description

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

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Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on equipment roster for the project.

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

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Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Trips and VMT - Based on equipment roster and schedule provided

On-road Fugitive Dust - Per the user guide 9.3% silt content should be used for the San Luis Obispo region

Grading - Based on grading and material movement for the project.

Vehicle Trips - Unmanned operation

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products - No consumer product utilization was assumed for the project

Area Coating - No architectural coating is assumed for the project

Energy Use - Energy intensity factors scaled down to match the area occupied by the 230kV Substation Control Enclosure approximately 14 feet wide, 48 feet long, and the 70 kV Substation Control Enclosure approximately 16 feet wide and 64 feet long.

Water And Wastewater - Unmanned facility - No water use is expected

Solid Waste - No solid waste generation is expected

Construction Off-road Equipment Mitigation - At a minimum, the off-road equipment fleet shall meet the CARB off-road emissions average for that calendar year and ensure that quarterly DPM emissions are less than the SLOPCAPCD significance thresholds.

Operational Off-Road Equipment - Assumes monthly inspections and an annual maintenance on the substation components. Helicopter emissions are represented as Other general industrial equipment with hp increased to 400

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
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tblAreaCoating	Area_Nonresidential_Interior	10716000	0
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	50.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstructionPhase	NumDays	3,100.00	6.00
tblConstructionPhase	NumDays	3,100.00	12.00

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tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblEnergyUse	NT24E	3.70	0.01
tblEnergyUse	NT24NG	6.67	0.01
tblEnergyUse	T24E	1.48	0.01
tblEnergyUse	T24NG	19.71	0.01
tblGrading	AcresOfGrading	36.00	27.00
tblGrading	AcresOfGrading	4.50	9.00
tblGrading	AcresOfGrading	9.00	18.00
tblGrading	AcresOfGrading	4.50	9.00
tblGrading	MaterialExported	0.00	828.00
tblGrading	MaterialImported	0.00	3,140.00
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tblOffRoadEquipment	HorsePower	63.00	62.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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tblOffRoadEquipment	PhaseName		230-kV Substation Cable Installation and Termination
tblOffRoadEquipment	PhaseName		70-kV Substation Foundation Construction
tblOffRoadEquipment	PhaseName		230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName		Reconductoring Segment Pole Installation Transfer Distribution Pole Removal
tblOffRoadEquipment	PhaseName		230-kV Substation Foundation Construction
tblOffRoadEquipment	PhaseName		70-kV Substation Mobilization
tblOffRoadEquipment	PhaseName		230-kV Transmission Site Clean-up and Restoration
tblOffRoadEquipment	PhaseName		70-kV Power Line Site Development Mobilization

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tblOffRoadEquipment	PhaseName	230-kV Substation Install Yard Rock
tblOffRoadEquipment	PhaseName	70-kV Substation Steel Bus Erection
tblOffRoadEquipment	PhaseName	230-kV Substation Transformer & Equip Delivery & Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Transformer & Equip Delivery & Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Remaining Equipment Delivery and Install
tblOffRoadEquipment	PhaseName	230-kV Transmission Foundation Tower Installation Remove two towers
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tblOffRoadEquipment	PhaseName	230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName	230-kV Transmission Conductor
tblOffRoadEquipment	PhaseName	230-kV Transmission Conductor
tblOffRoadEquipment	PhaseName	70-kV Substation Equip Delivery & Installation
tblOffRoadEquipment	PhaseName	70-kV Substation Control Enclosure Delivery and Install
tblOffRoadEquipment	PhaseName	230-kV Substation Testing and Commissioning
tblOffRoadEquipment	PhaseName	70-kV Substation Cable Installation and Termination
tblOffRoadEquipment	PhaseName	70-kV Power Line Pole Tower Installation
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tblOffRoadEquipment	PhaseName	70-kV Cleanup and Restoration
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tblOffRoadEquipment	PhaseName		70-kV Substation Foundation Construction
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tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
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tblTripsAndVMT	VendorTripLength	5.00	13.00
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tblTripsAndVMT	VendorTripNumber	1,171.00	30.00
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tblTripsAndVMT	WorkerTripLength	13.00	9.56
tblTripsAndVMT	WorkerTripLength	13.00	8.97
tblTripsAndVMT	WorkerTripLength	13.00	7.34
tblTripsAndVMT	WorkerTripLength	13.00	8.52
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	7.68
tblTripsAndVMT	WorkerTripLength	13.00	9.23
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	6.79
tblTripsAndVMT	WorkerTripLength	13.00	6.72
tblTripsAndVMT	WorkerTripLength	13.00	8.68
tblTripsAndVMT	WorkerTripLength	13.00	8.25
tblTripsAndVMT	WorkerTripLength	13.00	8.15
tblTripsAndVMT	WorkerTripLength	13.00	7.67
tblTripsAndVMT	WorkerTripLength	13.00	10.00
tblTripsAndVMT	WorkerTripLength	13.00	7.68
tblTripsAndVMT	WorkerTripLength	13.00	8.14

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tblTripsAndVMT	WorkerTripLength	13.00	8.45
tblTripsAndVMT	WorkerTripLength	13.00	8.56
tblTripsAndVMT	WorkerTripLength	13.00	9.18
tblTripsAndVMT	WorkerTripLength	13.00	6.32
tblTripsAndVMT	WorkerTripLength	13.00	8.45
tblTripsAndVMT	WorkerTripLength	13.00	7.85
tblTripsAndVMT	WorkerTripLength	13.00	5.87
tblTripsAndVMT	WorkerTripLength	13.00	7.50
tblTripsAndVMT	WorkerTripLength	13.00	8.38
tblTripsAndVMT	WorkerTripNumber	5.00	22.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	22.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	14.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	9.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	30.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	38.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	14.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	10.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00

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tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	41.00
tblTripsAndVMT	WorkerTripNumber	5.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	5.00	8.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	32.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	38.00
tblTripsAndVMT	WorkerTripNumber	10.00	24.00
tblTripsAndVMT	WorkerTripNumber	30.00	26.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	28.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	22.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	1,652,050,000.00	0.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.4289	4.1016	2.9141	0.0103	0.1691	0.1491	0.3181	0.0621	0.1372	0.1993	0.0000	917.1974	917.1974	0.2521	0.0000	923.4994
2023	0.5026	4.2215	3.6566	0.0134	0.1150	0.1462	0.2612	0.0298	0.1346	0.1644	0.0000	1,197.1108	1,197.1108	0.3256	0.0000	1,205.2501
2024	0.0361	0.3065	0.2485	8.7000e-004	7.8600e-003	0.0116	0.0194	1.7600e-003	0.0106	0.0124	0.0000	76.9161	76.9161	0.0221	0.0000	77.4685
Maximum	0.5026	4.2215	3.6566	0.0134	0.1691	0.1491	0.3181	0.0621	0.1372	0.1993	0.0000	1,197.1108	1,197.1108	0.3256	0.0000	1,205.2501

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.4289	4.1016	2.9141	0.0103	0.1093	0.1491	0.2584	0.0362	0.1372	0.1734	0.0000	917.1965	917.1965	0.2521	0.0000	923.4985
2023	0.5026	4.2215	3.6566	0.0134	0.1078	0.1462	0.2539	0.0290	0.1346	0.1636	0.0000	1,197.1096	1,197.1096	0.3256	0.0000	1,205.2489
2024	0.0361	0.3065	0.2485	8.7000e-004	6.4100e-003	0.0116	0.0180	1.6000e-003	0.0106	0.0122	0.0000	76.9160	76.9160	0.0221	0.0000	77.4685
Maximum	0.5026	4.2215	3.6566	0.0134	0.1093	0.1491	0.2584	0.0362	0.1372	0.1734	0.0000	1,197.1096	1,197.1096	0.3256	0.0000	1,205.2489

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	23.45	0.00	11.44	28.69	0.00	7.15	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	0.7233	0.7233
2	9-1-2022	11-30-2022	2.7929	2.7929
3	12-1-2022	2-28-2023	2.6194	2.6194
4	3-1-2023	5-31-2023	0.9644	0.9644
5	6-1-2023	8-31-2023	0.7378	0.7378
6	9-1-2023	11-30-2023	1.0499	1.0499
7	12-1-2023	2-29-2024	0.6675	0.6675
		Highest	2.7929	2.7929

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2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	27.9120	1.0900e-003	0.1202	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.2340	0.2340	6.1000e-004	0.0000	0.2493
Energy	7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	69.9728	69.9728	2.9700e-003	7.2000e-004	70.2624
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	3.4800e-003	0.0236	0.0230	9.0000e-005		8.4000e-004	8.4000e-004		7.8000e-004	7.8000e-004	0.0000	8.2886	8.2886	2.6800e-003	0.0000	8.3556
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	27.9162	0.0317	0.1490	1.4000e-004	0.0000	1.8000e-003	1.8000e-003	0.0000	1.7400e-003	1.7400e-003	0.0000	78.4954	78.4954	6.2600e-003	7.2000e-004	78.8673

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	27.9120	1.0900e-003	0.1202	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.2340	0.2340	6.1000e-004	0.0000	0.2493
Energy	7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	69.9728	69.9728	2.9700e-003	7.2000e-004	70.2624
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	3.4800e-003	0.0236	0.0230	9.0000e-005		8.4000e-004	8.4000e-004		7.8000e-004	7.8000e-004	0.0000	8.2886	8.2886	2.6800e-003	0.0000	8.3556
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	27.9162	0.0317	0.1490	1.4000e-004	0.0000	1.8000e-003	1.8000e-003	0.0000	1.7400e-003	1.7400e-003	0.0000	78.4954	78.4954	6.2600e-003	7.2000e-004	78.8673

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	230-kV Transmission Site Work Area Preparation Mobilization	Site Preparation	6/1/2022	6/14/2022	6	12	

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2	230-kV Transmission Foundation Tower Installation Remove two towers	Building Construction	6/15/2022	8/9/2022	6	48
3	Reconductoring Segment Site Development Mobilization	Site Preparation	8/1/2022	8/13/2022	6	12
4	Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Building Construction	8/15/2022	2/18/2023	6	144
5	230-kV Substation Access Roads	Site Preparation	9/1/2022	9/14/2022	6	12
6	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Grading	9/15/2022	10/12/2022	6	24
7	230-kV Substation Fence and Gate Installation	Building Construction	10/8/2022	10/21/2022	6	12
8	Reconductoring Segment Conductor Installation	Building Construction	10/10/2022	2/28/2023	6	120
9	230-kV Substation Foundation Construction	Building Construction	10/15/2022	11/25/2022	6	36
10	70-kV Substation Mobilization	Site Preparation	10/18/2022	10/30/2022	6	12
11	70-kV Substation Foundation Construction	Building Construction	11/1/2022	12/31/2022	6	48
12	70-kV Substation Ground Grid Conduit Installation	Building Construction	11/1/2022	12/31/2022	6	48
13	230-kV Substation Ground Grid Conduit Installation	Building Construction	11/15/2022	12/12/2022	6	24
14	230-kV Substation Steel Bus Erection	Building Construction	12/9/2022	1/5/2023	6	24
15	230-kV Substation Install Yard Rock	Building Construction	12/23/2022	1/12/2023	6	18
16	70-kV Substation Steel Bus Erection	Building Construction	1/1/2023	1/31/2023	6	24
17	230-kV Substation Transformer & Equip Delivery & Installation	Building Construction	1/2/2023	2/4/2023	6	30
18	230-kV Substation Control Enclosure Delivery and Install	Building Construction	1/6/2023	1/19/2023	6	12
19	230-kV Substation Remaining Equipment Delivery and Install	Building Construction	1/13/2023	2/11/2023	6	24
20	230-kV Transmission Conductor	Building Construction	1/25/2023	1/31/2023	6	6
21	70-kV Substation Equip Delivery & Installation	Building Construction	2/1/2023	2/21/2023	6	18
22	70-kV Substation Control Enclosure Delivery and Install	Building Construction	2/1/2023	2/7/2023	6	6

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23	230-kV Transmission Site Clean-up and Restoration	Building Construction	2/1/2023	2/7/2023	6	6
24	230-kV Substation Cable Installation and Termination	Building Construction	2/1/2023	2/14/2023	6	12
25	230-kV Substation Testing and Commissioning	Building Construction	2/11/2023	3/17/2023	6	30
26	70-kV Substation Cable Installation and Termination	Building Construction	2/22/2023	3/14/2023	6	18
27	70-kV Power Line Site Development Mobilization	Site Preparation	3/1/2023	3/14/2023	6	12
28	Reconductoring Segment Clean-up and Restoration	Site Preparation	3/1/2023	3/14/2023	6	12
29	70-kV Power Line Pole Tower Installation	Building Construction	3/1/2023	11/30/2023	6	216
30	70-kV Substation Install Yard Rock	Building Construction	3/1/2023	3/14/2023	6	12
31	230-kV Substation Cleanup and Restoration	Site Preparation	3/11/2023	3/31/2023	6	18
32	70-kV Cleanup and Restoration	Site Preparation	3/15/2023	3/28/2023	6	12
33	70-kV Substation Testing and Commissioning	Building Construction	4/1/2023	5/31/2023	6	48
34	70-kV Power Line Conductor Installation	Building Construction	11/1/2023	1/31/2024	6	72
35	70-kV Power Line Clean-up and Restoration	Site Preparation	2/1/2024	2/14/2024	6	12

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
230-kV Transmission Site Work Area Preparation Mobilization	Graders	1	6.00	187	0.41
230-kV Transmission Site Work Area Preparation Mobilization	Tractors/Loaders/Backhoes	1	6.00	97	0.37

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230-kV Transmission Foundation Tower Installation Remove two towers	Bore/Drill Rigs	1	1.00	221	0.50
230-kV Transmission Foundation Tower Installation Remove two towers	Cranes	3	5.30	231	0.29
230-kV Transmission Foundation Tower Installation Remove two towers	Forklifts	3	2.60	89	0.20
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	2	3.50	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	1	0.80	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	2	2.60	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Tractors/Loaders/Backhoes	1	0.50	97	0.37
Reconductoring Segment Site Development Mobilization	Graders	1	6.00	187	0.41
Reconductoring Segment Site Development Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Bore/Drill Rigs	1	6.00	221	0.50
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Cranes	3	6.00	231	0.29
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Cranes	1	1.00	231	0.29
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Off-Highway Trucks	2	3.00	402	0.38
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Off-Highway Trucks	2	2.00	402	0.38
230-kV Substation Access Roads	Off-Highway Trucks	2	8.00	402	0.38
230-kV Substation Access Roads	Tractors/Loaders/Backhoes	2	8.00	97	0.37
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Graders	1	8.00	187	0.41
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Off-Highway Trucks	4	10.00	402	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Off-Highway Trucks	2	10.00	402	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rollers	2	8.00	80	0.38

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230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rubber Tired Dozers	1	8.00	247	0.40
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rubber Tired Loaders	1	8.00	203	0.36
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Scrapers	1	8.00	367	0.48
230-kV Substation Fence and Gate Installation	Skid Steer Loaders	1	4.00	65	0.37
Reconductoring Segment Conductor Installation	Forklifts	1	3.00	89	0.20
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	4.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	1	6.00	402	0.38
Reconductoring Segment Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
Reconductoring Segment Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
230-kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
230-kV Substation Foundation Construction	Cranes	1	5.00	231	0.29
230-kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	5.00	97	0.37
70-kV Substation Mobilization	Graders	1	4.00	187	0.41
70-kV Substation Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
70-kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70-kV Substation Foundation Construction	Trenchers	1	8.00	78	0.50
70-kV Substation Ground Grid Conduit Installation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70-kV Substation Ground Grid Conduit Installation	Trenchers	1	6.00	78	0.50
230-kV Substation Ground Grid Conduit Installation	Trenchers	1	8.00	78	0.50

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230-kV Substation Steel Bus Erection	Aerial Lifts	1	6.00	62	0.31
230-kV Substation Steel Bus Erection	Off-Highway Trucks	1	8.00	402	0.38
230-kV Substation Install Yard Rock	Off-Highway Trucks	1	10.00	402	0.38
230-kV Substation Install Yard Rock	Skid Steer Loaders	1	10.00	65	0.37
70-kV Substation Steel Bus Erection	Aerial Lifts	2	8.00	62	0.31
70-kV Substation Steel Bus Erection	Off-Highway Trucks	2	6.00	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Generator Sets	1	5.00	84	0.74
230-kV Substation Transformer & Equip Delivery & Installation	Off-Highway Trucks	2	10.00	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Off-Highway Trucks	1	4.80	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230-kV Substation Control Enclosure Delivery and Install	Cranes	1	6.00	231	0.29
230-kV Substation Remaining Equipment Delivery and Install	Off-Highway Trucks	1	6.00	402	0.38
230-kV Transmission Conductor	Cranes	3	6.00	231	0.29
230-kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230-kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
70-kV Substation Equip Delivery & Installation	Aerial Lifts	2	4.00	62	0.31
70-kV Substation Equip Delivery & Installation	Off-Highway Trucks	1	5.30	402	0.38
70-kV Substation Control Enclosure Delivery and Install	Off-Highway Trucks	0	0.00	402	0.38
230-kV Transmission Site Clean-up and Restoration	Graders	1	8.00	187	0.41
230-kV Transmission Site Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230-kV Substation Cable Installation and Termination	Aerial Lifts	1	8.00	62	0.31
230-kV Substation Testing and Commissioning	Off-Highway Trucks	0	0.00	402	0.38
70-kV Substation Cable Installation and Termination	Off-Highway Trucks	0	0.00	402	0.38

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70-kV Power Line Site Development Mobilization	Graders	2	6.00	187	0.41
70-kV Power Line Site Development Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Segment Clean-up and Restoration	Graders	1	6.00	187	0.41
Reconductoring Segment Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Power Line Pole Tower Installation	Cranes	1	4.00	231	0.29
70-kV Power Line Pole Tower Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Pole Tower Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Pole Tower Installation	Tractors/Loaders/Backhoes	2	4.00	97	0.37
70-kV Power Line Pole Tower Installation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Substation Install Yard Rock	Off-Highway Trucks	1	8.00	402	0.38
70-kV Substation Install Yard Rock	Skid Steer Loaders	1	8.00	65	0.37
70-kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230-kV Substation Cleanup and Restoration	Other General Industrial Equipment	1	6.00	88	0.34
230-kV Substation Cleanup and Restoration	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70-kV Cleanup and Restoration	Off-Highway Trucks	0	0.00	402	0.38
70-kV Substation Testing and Commissioning	Off-Highway Trucks	0	0.00	402	0.38
70-kV Power Line Conductor Installation	Cranes	3	6.00	231	0.29
70-kV Power Line Conductor Installation	Forklifts	1	3.00	89	0.20
70-kV Power Line Conductor Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Conductor Installation	Off-Highway Trucks	1	6.00	402	0.38
70-kV Power Line Conductor Installation	Off-Highway Trucks	2	2.00	402	0.38
70-kV Power Line Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
70-kV Power Line Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
70-kV Power Line Clean-up and Restoration	Graders	1	6.00	187	0.41
70-kV Power Line Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37

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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
230-kV Transmission Site Work Area Prepar	2	22.00	11.00	104.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Transmission Foundation Tower Insta	13	30.00	12.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Site Develop	2	18.00	10.00	0.00	7.67	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Pole Installati	9	38.00	13.00	0.00	6.32	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Access Roads	4	24.00	33.00	0.00	8.45	1.90	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Site Prep Grading Entrance	12	26.00	30.00	393.00	7.85	1.20	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Fence and Gate Install	1	18.00	30.00	0.00	5.87	1.85	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Conductor In	10	28.00	10.00	0.00	7.50	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Foundation Construction	3	22.00	31.00	0.00	8.38	1.85	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Mobilization	2	16.00	6.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Foundation Construction	3	22.00	13.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Ground Grid Conduit In	2	12.00	9.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Ground Grid Conduit In	1	12.00	29.00	0.00	9.15	0.91	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Steel Bus Erection	2	12.00	30.00	0.00	9.56	1.20	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Install Yard Rock	2	18.00	45.00	0.00	8.97	8.68	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Steel Bus Erection	4	14.00	9.00	0.00	7.34	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Transformer & Equipm.D	5	18.00	30.00	0.00	8.52	1.15	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Control Enclosure Deliv	1	12.00	2.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Remaining Equipment	1	9.00	28.00	0.00	10.00	1.34	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Transmission Conductor	7	38.00	11.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Equipm. Delivery & Install	3	16.00	12.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Control Enclosure Deliv	0	12.00	2.00	0.00	9.23	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Transmission Site Clean up and Rest	2	14.00	9.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT

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230-kV Substation Cable Installation and T	1	10.00	3.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Testing and Commissi	0	12.00	26.00	0.00	6.79	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Cable Installation and T	0	12.00	3.00	0.00	6.72	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Site Development Mobilizati	3	20.00	10.00	0.00	8.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Segment Clean-up and	2	16.00	5.00	0.00	8.25	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Pole Tower Installation	10	41.00	15.00	0.00	8.15	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Install Yard Back	3	12.00	16.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
230-kV Substation Cleanup and Restorati	2	8.00	29.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Cleanup and Restoration	0	10.00	0.00	0.00	8.14	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Substation Testing and Commissi	0	12.00	2.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Conductor Installation	12	32.00	10.00	0.00	8.56	13.00	20.00	LD_Mix	HDT_Mix	HHDT
70-kV Power Line Clean-up and Restorati	2	16.00	7.00	0.00	9.18	13.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 230-kV Transmission Site Work Area Preparation Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8500e-003	0.0000	4.8500e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6100e-003	0.0312	0.0178	4.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	3.8477	3.8477	1.2400e-003	0.0000	3.8788
Total	2.6100e-003	0.0312	0.0178	4.0000e-005	4.8500e-003	1.1600e-003	6.0100e-003	5.3000e-004	1.0700e-003	1.6000e-003	0.0000	3.8477	3.8477	1.2400e-003	0.0000	3.8788

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9000e-004	0.0140	3.3400e-003	4.0000e-005	8.9000e-004	6.0000e-005	9.4000e-004	2.4000e-004	5.0000e-005	3.0000e-004	0.0000	3.9082	3.9082	2.3000e-004	0.0000	3.9140
Vendor	3.3000e-004	9.5800e-003	2.6400e-003	3.0000e-005	7.8000e-004	4.0000e-005	8.1000e-004	2.2000e-004	3.0000e-005	2.6000e-004	0.0000	2.7704	2.7704	1.2000e-004	0.0000	2.7734
Worker	4.2000e-004	3.4000e-004	3.0500e-003	1.0000e-005	9.8000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7675	0.7675	2.0000e-005	0.0000	0.7681
Total	1.1400e-003	0.0239	9.0300e-003	8.0000e-005	2.6500e-003	1.1000e-004	2.7300e-003	7.2000e-004	9.0000e-005	8.3000e-004	0.0000	7.4460	7.4460	3.7000e-004	0.0000	7.4554

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3.2 230-kV Transmission Site Work Area Preparation Mobilization - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8900e-003	0.0000	1.8900e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6100e-003	0.0312	0.0178	4.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	3.8477	3.8477	1.2400e-003	0.0000	3.8788
Total	2.6100e-003	0.0312	0.0178	4.0000e-005	1.8900e-003	1.1600e-003	3.0500e-003	2.1000e-004	1.0700e-003	1.2800e-003	0.0000	3.8477	3.8477	1.2400e-003	0.0000	3.8788

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9000e-004	0.0140	3.3400e-003	4.0000e-005	8.9000e-004	6.0000e-005	9.4000e-004	2.4000e-004	5.0000e-005	3.0000e-004	0.0000	3.9082	3.9082	2.3000e-004	0.0000	3.9140
Vendor	3.3000e-004	9.5800e-003	2.6400e-003	3.0000e-005	7.8000e-004	4.0000e-005	8.1000e-004	2.2000e-004	3.0000e-005	2.6000e-004	0.0000	2.7704	2.7704	1.2000e-004	0.0000	2.7734
Worker	4.2000e-004	3.4000e-004	3.0500e-003	1.0000e-005	9.8000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7675	0.7675	2.0000e-005	0.0000	0.7681
Total	1.1400e-003	0.0239	9.0300e-003	8.0000e-005	2.6500e-003	1.1000e-004	2.7300e-003	7.2000e-004	9.0000e-005	8.3000e-004	0.0000	7.4460	7.4460	3.7000e-004	0.0000	7.4554

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3.3 230-kV Transmission Foundation Tower Installation Remove two towers - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0420	0.3901	0.2577	8.6000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	75.4715	75.4715	0.0244	0.0000	76.0817
Total	0.0420	0.3901	0.2577	8.6000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	75.4715	75.4715	0.0244	0.0000	76.0817

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4200e-003	0.0418	0.0115	1.3000e-004	3.3900e-003	1.6000e-004	3.5500e-003	9.8000e-004	1.5000e-004	1.1300e-003	0.0000	12.0888	12.0888	5.3000e-004	0.0000	12.1020
Worker	2.2700e-003	1.8300e-003	0.0167	5.0000e-005	5.3300e-003	3.0000e-005	5.3700e-003	1.4200e-003	3.0000e-005	1.4500e-003	0.0000	4.1864	4.1864	1.2000e-004	0.0000	4.1894
Total	3.6900e-003	0.0436	0.0282	1.8000e-004	8.7200e-003	1.9000e-004	8.9200e-003	2.4000e-003	1.8000e-004	2.5800e-003	0.0000	16.2752	16.2752	6.5000e-004	0.0000	16.2914

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3.3 230-kV Transmission Foundation Tower Installation Remove two towers - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0420	0.3901	0.2577	8.6000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	75.4714	75.4714	0.0244	0.0000	76.0816
Total	0.0420	0.3901	0.2577	8.6000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	75.4714	75.4714	0.0244	0.0000	76.0816

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4200e-003	0.0418	0.0115	1.3000e-004	3.3900e-003	1.6000e-004	3.5500e-003	9.8000e-004	1.5000e-004	1.1300e-003	0.0000	12.0888	12.0888	5.3000e-004	0.0000	12.1020
Worker	2.2700e-003	1.8300e-003	0.0167	5.0000e-005	5.3300e-003	3.0000e-005	5.3700e-003	1.4200e-003	3.0000e-005	1.4500e-003	0.0000	4.1864	4.1864	1.2000e-004	0.0000	4.1894
Total	3.6900e-003	0.0436	0.0282	1.8000e-004	8.7200e-003	1.9000e-004	8.9200e-003	2.4000e-003	1.8000e-004	2.5800e-003	0.0000	16.2752	16.2752	6.5000e-004	0.0000	16.2914

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3.4 Reconductoring Segment Site Development Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7700e-003	0.0000	4.7700e-003	5.2000e-004	0.0000	5.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3600e-003	0.0287	0.0145	4.0000e-005		1.0200e-003	1.0200e-003		9.4000e-004	9.4000e-004	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4656
Total	2.3600e-003	0.0287	0.0145	4.0000e-005	4.7700e-003	1.0200e-003	5.7900e-003	5.2000e-004	9.4000e-004	1.4600e-003	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4656

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	8.7100e-003	2.4000e-003	3.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	2.0000e-004	3.0000e-005	2.4000e-004	0.0000	2.5185	2.5185	1.1000e-004	0.0000	2.5213
Worker	2.8000e-004	2.2000e-004	2.0400e-003	1.0000e-005	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4864	0.4864	1.0000e-005	0.0000	0.4868
Total	5.8000e-004	8.9300e-003	4.4400e-003	4.0000e-005	1.3200e-003	3.0000e-005	1.3600e-003	3.6000e-004	3.0000e-005	4.1000e-004	0.0000	3.0049	3.0049	1.2000e-004	0.0000	3.0081

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3.4 Reconductoring Segment Site Development Mobilization - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8600e-003	0.0000	1.8600e-003	2.0000e-004	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3600e-003	0.0287	0.0145	4.0000e-005		1.0200e-003	1.0200e-003		9.4000e-004	9.4000e-004	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4655
Total	2.3600e-003	0.0287	0.0145	4.0000e-005	1.8600e-003	1.0200e-003	2.8800e-003	2.0000e-004	9.4000e-004	1.1400e-003	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	8.7100e-003	2.4000e-003	3.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	2.0000e-004	3.0000e-005	2.4000e-004	0.0000	2.5185	2.5185	1.1000e-004	0.0000	2.5213
Worker	2.8000e-004	2.2000e-004	2.0400e-003	1.0000e-005	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4864	0.4864	1.0000e-005	0.0000	0.4868
Total	5.8000e-004	8.9300e-003	4.4400e-003	4.0000e-005	1.3200e-003	3.0000e-005	1.3600e-003	3.6000e-004	3.0000e-005	4.1000e-004	0.0000	3.0049	3.0049	1.2000e-004	0.0000	3.0081

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**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2022**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1029	0.9993	0.6134	2.2400e-003		0.0390	0.0390		0.0359	0.0359	0.0000	196.5574	196.5574	0.0636	0.0000	198.1467
Total	0.1029	0.9993	0.6134	2.2400e-003		0.0390	0.0390		0.0359	0.0359	0.0000	196.5574	196.5574	0.0636	0.0000	198.1467

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8500e-003	0.1132	0.0312	3.4000e-004	9.1800e-003	4.2000e-004	9.6100e-003	2.6500e-003	4.1000e-004	3.0600e-003	0.0000	32.7405	32.7405	1.4300e-003	0.0000	32.7762
Worker	5.2800e-003	3.9800e-003	0.0376	9.0000e-005	0.0107	7.0000e-005	0.0108	2.8400e-003	7.0000e-005	2.9100e-003	0.0000	8.5383	8.5383	2.6000e-004	0.0000	8.5449
Total	9.1300e-003	0.1172	0.0688	4.3000e-004	0.0199	4.9000e-004	0.0204	5.4900e-003	4.8000e-004	5.9700e-003	0.0000	41.2788	41.2788	1.6900e-003	0.0000	41.3211

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**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1029	0.9993	0.6134	2.2400e-003		0.0390	0.0390		0.0359	0.0359	0.0000	196.5572	196.5572	0.0636	0.0000	198.1464
Total	0.1029	0.9993	0.6134	2.2400e-003		0.0390	0.0390		0.0359	0.0359	0.0000	196.5572	196.5572	0.0636	0.0000	198.1464

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8500e-003	0.1132	0.0312	3.4000e-004	9.1800e-003	4.2000e-004	9.6100e-003	2.6500e-003	4.1000e-004	3.0600e-003	0.0000	32.7405	32.7405	1.4300e-003	0.0000	32.7762
Worker	5.2800e-003	3.9800e-003	0.0376	9.0000e-005	0.0107	7.0000e-005	0.0108	2.8400e-003	7.0000e-005	2.9100e-003	0.0000	8.5383	8.5383	2.6000e-004	0.0000	8.5449
Total	9.1300e-003	0.1172	0.0688	4.3000e-004	0.0199	4.9000e-004	0.0204	5.4900e-003	4.8000e-004	5.9700e-003	0.0000	41.2788	41.2788	1.6900e-003	0.0000	41.3211

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**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2023**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0341	0.3161	0.2098	7.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	68.8424	68.8424	0.0223	0.0000	69.3991
Total	0.0341	0.3161	0.2098	7.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	68.8424	68.8424	0.0223	0.0000	69.3991

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0100e-003	0.0305	9.6300e-003	1.2000e-004	3.2100e-003	7.0000e-005	3.2800e-003	9.3000e-004	7.0000e-005	9.9000e-004	0.0000	11.2417	11.2417	4.6000e-004	0.0000	11.2533
Worker	1.7300e-003	1.2500e-003	0.0120	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	2.8766	2.8766	8.0000e-005	0.0000	2.8786
Total	2.7400e-003	0.0318	0.0216	1.5000e-004	6.9500e-003	9.0000e-005	7.0400e-003	1.9200e-003	9.0000e-005	2.0100e-003	0.0000	14.1183	14.1183	5.4000e-004	0.0000	14.1319

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**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2023**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0341	0.3161	0.2098	7.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	68.8423	68.8423	0.0223	0.0000	69.3990
Total	0.0341	0.3161	0.2098	7.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	68.8423	68.8423	0.0223	0.0000	69.3990

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0100e-003	0.0305	9.6300e-003	1.2000e-004	3.2100e-003	7.0000e-005	3.2800e-003	9.3000e-004	7.0000e-005	9.9000e-004	0.0000	11.2417	11.2417	4.6000e-004	0.0000	11.2533
Worker	1.7300e-003	1.2500e-003	0.0120	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	2.8766	2.8766	8.0000e-005	0.0000	2.8786
Total	2.7400e-003	0.0318	0.0216	1.5000e-004	6.9500e-003	9.0000e-005	7.0400e-003	1.9200e-003	9.0000e-005	2.0100e-003	0.0000	14.1183	14.1183	5.4000e-004	0.0000	14.1319

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3.6 230-kV Substation Access Roads - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3200e-003	0.0683	0.0672	2.0000e-004		2.8300e-003	2.8300e-003		2.6100e-003	2.6100e-003	0.0000	17.2027	17.2027	5.5600e-003	0.0000	17.3418
Total	8.3200e-003	0.0683	0.0672	2.0000e-004	0.0000	2.8300e-003	2.8300e-003	0.0000	2.6100e-003	2.6100e-003	0.0000	17.2027	17.2027	5.5600e-003	0.0000	17.3418

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0137	4.0000e-003	2.0000e-005	3.5000e-004	2.0000e-005	3.7000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.9974	1.9974	1.7000e-004	0.0000	2.0015
Worker	4.0000e-004	3.2000e-004	2.9300e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7118	0.7118	2.0000e-005	0.0000	0.7123
Total	8.0000e-004	0.0140	6.9300e-003	3.0000e-005	1.2500e-003	3.0000e-005	1.2800e-003	3.4000e-004	3.0000e-005	3.7000e-004	0.0000	2.7091	2.7091	1.9000e-004	0.0000	2.7138

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3.6 230-kV Substation Access Roads - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3200e-003	0.0683	0.0672	2.0000e-004		2.8300e-003	2.8300e-003		2.6100e-003	2.6100e-003	0.0000	17.2026	17.2026	5.5600e-003	0.0000	17.3417
Total	8.3200e-003	0.0683	0.0672	2.0000e-004	0.0000	2.8300e-003	2.8300e-003	0.0000	2.6100e-003	2.6100e-003	0.0000	17.2026	17.2026	5.5600e-003	0.0000	17.3417

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0137	4.0000e-003	2.0000e-005	3.5000e-004	2.0000e-005	3.7000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.9974	1.9974	1.7000e-004	0.0000	2.0015
Worker	4.0000e-004	3.2000e-004	2.9300e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7118	0.7118	2.0000e-005	0.0000	0.7123
Total	8.0000e-004	0.0140	6.9300e-003	3.0000e-005	1.2500e-003	3.0000e-005	1.2800e-003	3.4000e-004	3.0000e-005	3.7000e-004	0.0000	2.7091	2.7091	1.9000e-004	0.0000	2.7138

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3.7 230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0869	0.0000	0.0869	0.0413	0.0000	0.0413	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0799	0.7149	0.5055	1.6900e-003		0.0279	0.0279		0.0257	0.0257	0.0000	148.5410	148.5410	0.0480	0.0000	149.7420
Total	0.0799	0.7149	0.5055	1.6900e-003	0.0869	0.0279	0.1148	0.0413	0.0257	0.0670	0.0000	148.5410	148.5410	0.0480	0.0000	149.7420

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4900e-003	0.0528	0.0126	1.5000e-004	3.3500e-003	2.1000e-004	3.5600e-003	9.2000e-004	2.0000e-004	1.1200e-003	0.0000	14.7683	14.7683	8.8000e-004	0.0000	14.7902
Vendor	6.5000e-004	0.0232	6.8300e-003	3.0000e-005	4.0000e-004	3.0000e-005	4.3000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.9077	2.9077	2.8000e-004	0.0000	2.9147
Worker	8.3000e-004	6.5000e-004	6.0000e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4369	1.4369	4.0000e-005	0.0000	1.4379
Total	2.9700e-003	0.0767	0.0254	2.0000e-004	5.5600e-003	2.5000e-004	5.8200e-003	1.5200e-003	2.4000e-004	1.7600e-003	0.0000	19.1129	19.1129	1.2000e-003	0.0000	19.1428

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3.7 230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0339	0.0000	0.0339	0.0161	0.0000	0.0161	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0799	0.7149	0.5055	1.6900e-003		0.0279	0.0279		0.0257	0.0257	0.0000	148.5408	148.5408	0.0480	0.0000	149.7419
Total	0.0799	0.7149	0.5055	1.6900e-003	0.0339	0.0279	0.0618	0.0161	0.0257	0.0418	0.0000	148.5408	148.5408	0.0480	0.0000	149.7419

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4900e-003	0.0528	0.0126	1.5000e-004	3.3500e-003	2.1000e-004	3.5600e-003	9.2000e-004	2.0000e-004	1.1200e-003	0.0000	14.7683	14.7683	8.8000e-004	0.0000	14.7902
Vendor	6.5000e-004	0.0232	6.8300e-003	3.0000e-005	4.0000e-004	3.0000e-005	4.3000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.9077	2.9077	2.8000e-004	0.0000	2.9147
Worker	8.3000e-004	6.5000e-004	6.0000e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4369	1.4369	4.0000e-005	0.0000	1.4379
Total	2.9700e-003	0.0767	0.0254	2.0000e-004	5.5600e-003	2.5000e-004	5.8200e-003	1.5200e-003	2.4000e-004	1.7600e-003	0.0000	19.1129	19.1129	1.2000e-003	0.0000	19.1428

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3.8 230-kV Substation Fence and Gate Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.1000e-004	2.7900e-003	4.1600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5454	0.5454	1.8000e-004	0.0000	0.5498
Total	2.1000e-004	2.7900e-003	4.1600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5454	0.5454	1.8000e-004	0.0000	0.5498

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-004	0.0124	3.6200e-003	2.0000e-005	3.1000e-004	2.0000e-005	3.3000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.7900	1.7900	1.5000e-004	0.0000	1.7937
Worker	2.4000e-004	1.8000e-004	1.6900e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3771	0.3771	1.0000e-005	0.0000	0.3774
Total	6.0000e-004	0.0126	5.3100e-003	2.0000e-005	7.8000e-004	2.0000e-005	8.0000e-004	2.1000e-004	2.0000e-005	2.4000e-004	0.0000	2.1671	2.1671	1.6000e-004	0.0000	2.1711

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3.8 230-kV Substation Fence and Gate Installation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.1000e-004	2.7900e-003	4.1600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5454	0.5454	1.8000e-004	0.0000	0.5498
Total	2.1000e-004	2.7900e-003	4.1600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5454	0.5454	1.8000e-004	0.0000	0.5498

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-004	0.0124	3.6200e-003	2.0000e-005	3.1000e-004	2.0000e-005	3.3000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.7900	1.7900	1.5000e-004	0.0000	1.7937
Worker	2.4000e-004	1.8000e-004	1.6900e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3771	0.3771	1.0000e-005	0.0000	0.3774
Total	6.0000e-004	0.0126	5.3100e-003	2.0000e-005	7.8000e-004	2.0000e-005	8.0000e-004	2.1000e-004	2.0000e-005	2.4000e-004	0.0000	2.1671	2.1671	1.6000e-004	0.0000	2.1711

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3.9 Reconductoring Segment Conductor Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1015	0.7918	0.6945	2.4200e-003		0.0316	0.0316		0.0291	0.0291	0.0000	212.3700	212.3700	0.0687	0.0000	214.0872
Total	0.1015	0.7918	0.6945	2.4200e-003		0.0316	0.0316		0.0291	0.0291	0.0000	212.3700	212.3700	0.0687	0.0000	214.0872

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7800e-003	0.0523	0.0144	1.6000e-004	4.2400e-003	2.0000e-004	4.4300e-003	1.2200e-003	1.9000e-004	1.4100e-003	0.0000	15.1110	15.1110	6.6000e-004	0.0000	15.1275
Worker	2.6000e-003	2.0200e-003	0.0188	5.0000e-005	5.6000e-003	4.0000e-005	5.6400e-003	1.4900e-003	3.0000e-005	1.5200e-003	0.0000	4.4438	4.4438	1.3000e-004	0.0000	4.4471
Total	4.3800e-003	0.0543	0.0332	2.1000e-004	9.8400e-003	2.4000e-004	0.0101	2.7100e-003	2.2000e-004	2.9300e-003	0.0000	19.5547	19.5547	7.9000e-004	0.0000	19.5746

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3.9 Reconductoring Segment Conductor Installation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1015	0.7918	0.6945	2.4200e-003		0.0316	0.0316		0.0291	0.0291	0.0000	212.3698	212.3698	0.0687	0.0000	214.0869
Total	0.1015	0.7918	0.6945	2.4200e-003		0.0316	0.0316		0.0291	0.0291	0.0000	212.3698	212.3698	0.0687	0.0000	214.0869

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7800e-003	0.0523	0.0144	1.6000e-004	4.2400e-003	2.0000e-004	4.4300e-003	1.2200e-003	1.9000e-004	1.4100e-003	0.0000	15.1110	15.1110	6.6000e-004	0.0000	15.1275
Worker	2.6000e-003	2.0200e-003	0.0188	5.0000e-005	5.6000e-003	4.0000e-005	5.6400e-003	1.4900e-003	3.0000e-005	1.5200e-003	0.0000	4.4438	4.4438	1.3000e-004	0.0000	4.4471
Total	4.3800e-003	0.0543	0.0332	2.1000e-004	9.8400e-003	2.4000e-004	0.0101	2.7100e-003	2.2000e-004	2.9300e-003	0.0000	19.5547	19.5547	7.9000e-004	0.0000	19.5746

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3.9 Reconductoring Segment Conductor Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0669	0.4906	0.4734	1.6800e-003		0.0192	0.0192		0.0177	0.0177	0.0000	147.5765	147.5765	0.0477	0.0000	148.7697
Total	0.0669	0.4906	0.4734	1.6800e-003		0.0192	0.0192		0.0177	0.0177	0.0000	147.5765	147.5765	0.0477	0.0000	148.7697

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.3000e-004	0.0280	8.8200e-003	1.1000e-004	2.9400e-003	6.0000e-005	3.0100e-003	8.5000e-004	6.0000e-005	9.1000e-004	0.0000	10.2946	10.2946	4.2000e-004	0.0000	10.3052
Worker	1.6900e-003	1.2600e-003	0.0119	3.0000e-005	3.8900e-003	3.0000e-005	3.9200e-003	1.0300e-003	2.0000e-005	1.0600e-003	0.0000	2.9704	2.9704	8.0000e-005	0.0000	2.9724
Total	2.6200e-003	0.0292	0.0207	1.4000e-004	6.8300e-003	9.0000e-005	6.9300e-003	1.8800e-003	8.0000e-005	1.9700e-003	0.0000	13.2650	13.2650	5.0000e-004	0.0000	13.2777

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3.9 Reconductoring Segment Conductor Installation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0669	0.4906	0.4734	1.6800e-003		0.0192	0.0192		0.0177	0.0177	0.0000	147.5763	147.5763	0.0477	0.0000	148.7695
Total	0.0669	0.4906	0.4734	1.6800e-003		0.0192	0.0192		0.0177	0.0177	0.0000	147.5763	147.5763	0.0477	0.0000	148.7695

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.3000e-004	0.0280	8.8200e-003	1.1000e-004	2.9400e-003	6.0000e-005	3.0100e-003	8.5000e-004	6.0000e-005	9.1000e-004	0.0000	10.2946	10.2946	4.2000e-004	0.0000	10.3052
Worker	1.6900e-003	1.2600e-003	0.0119	3.0000e-005	3.8900e-003	3.0000e-005	3.9200e-003	1.0300e-003	2.0000e-005	1.0600e-003	0.0000	2.9704	2.9704	8.0000e-005	0.0000	2.9724
Total	2.6200e-003	0.0292	0.0207	1.4000e-004	6.8300e-003	9.0000e-005	6.9300e-003	1.8800e-003	8.0000e-005	1.9700e-003	0.0000	13.2650	13.2650	5.0000e-004	0.0000	13.2777

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3.10 230-kV Substation Foundation Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.1067	0.0832	2.7000e-004		4.2800e-003	4.2800e-003		3.9400e-003	3.9400e-003	0.0000	23.6956	23.6956	7.6600e-003	0.0000	23.8871
Total	0.0101	0.1067	0.0832	2.7000e-004		4.2800e-003	4.2800e-003		3.9400e-003	3.9400e-003	0.0000	23.6956	23.6956	7.6600e-003	0.0000	23.8871

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1100e-003	0.0385	0.0112	6.0000e-005	9.5000e-004	7.0000e-005	1.0100e-003	2.7000e-004	6.0000e-005	3.4000e-004	0.0000	5.5489	5.5489	4.6000e-004	0.0000	5.5605
Worker	1.1000e-003	8.7000e-004	8.0000e-003	2.0000e-005	2.4600e-003	2.0000e-005	2.4700e-003	6.5000e-004	1.0000e-005	6.7000e-004	0.0000	1.9417	1.9417	6.0000e-005	0.0000	1.9432
Total	2.2100e-003	0.0393	0.0192	8.0000e-005	3.4100e-003	9.0000e-005	3.4800e-003	9.2000e-004	7.0000e-005	1.0100e-003	0.0000	7.4906	7.4906	5.2000e-004	0.0000	7.5036

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3.10 230-kV Substation Foundation Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.1067	0.0832	2.7000e-004		4.2800e-003	4.2800e-003		3.9400e-003	3.9400e-003	0.0000	23.6955	23.6955	7.6600e-003	0.0000	23.8871
Total	0.0101	0.1067	0.0832	2.7000e-004		4.2800e-003	4.2800e-003		3.9400e-003	3.9400e-003	0.0000	23.6955	23.6955	7.6600e-003	0.0000	23.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1100e-003	0.0385	0.0112	6.0000e-005	9.5000e-004	7.0000e-005	1.0100e-003	2.7000e-004	6.0000e-005	3.4000e-004	0.0000	5.5489	5.5489	4.6000e-004	0.0000	5.5605
Worker	1.1000e-003	8.7000e-004	8.0000e-003	2.0000e-005	2.4600e-003	2.0000e-005	2.4700e-003	6.5000e-004	1.0000e-005	6.7000e-004	0.0000	1.9417	1.9417	6.0000e-005	0.0000	1.9432
Total	2.2100e-003	0.0393	0.0192	8.0000e-005	3.4100e-003	9.0000e-005	3.4800e-003	9.2000e-004	7.0000e-005	1.0100e-003	0.0000	7.4906	7.4906	5.2000e-004	0.0000	7.5036

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3.11 70-kV Substation Mobilization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4600e-003	0.0000	1.4600e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5900e-003	0.0191	0.0109	3.0000e-005		7.1000e-004	7.1000e-004		6.5000e-004	6.5000e-004	0.0000	2.3514	2.3514	7.6000e-004	0.0000	2.3704
Total	1.5900e-003	0.0191	0.0109	3.0000e-005	1.4600e-003	7.1000e-004	2.1700e-003	1.6000e-004	6.5000e-004	8.1000e-004	0.0000	2.3514	2.3514	7.6000e-004	0.0000	2.3704

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-004	4.7900e-003	1.3200e-003	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.3852	1.3852	6.0000e-005	0.0000	1.3867
Worker	2.3000e-004	1.8000e-004	1.6700e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3969	0.3969	1.0000e-005	0.0000	0.3972
Total	3.9000e-004	4.9700e-003	2.9900e-003	1.0000e-005	8.9000e-004	2.0000e-005	9.1000e-004	2.4000e-004	2.0000e-005	2.7000e-004	0.0000	1.7820	1.7820	7.0000e-005	0.0000	1.7838

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3.11 70-kV Substation Mobilization - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.7000e-004	0.0000	5.7000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5900e-003	0.0191	0.0109	3.0000e-005		7.1000e-004	7.1000e-004		6.5000e-004	6.5000e-004	0.0000	2.3514	2.3514	7.6000e-004	0.0000	2.3704
Total	1.5900e-003	0.0191	0.0109	3.0000e-005	5.7000e-004	7.1000e-004	1.2800e-003	6.0000e-005	6.5000e-004	7.1000e-004	0.0000	2.3514	2.3514	7.6000e-004	0.0000	2.3704

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-004	4.7900e-003	1.3200e-003	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.3852	1.3852	6.0000e-005	0.0000	1.3867
Worker	2.3000e-004	1.8000e-004	1.6700e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3969	0.3969	1.0000e-005	0.0000	0.3972
Total	3.9000e-004	4.9700e-003	2.9900e-003	1.0000e-005	8.9000e-004	2.0000e-005	9.1000e-004	2.4000e-004	2.0000e-005	2.7000e-004	0.0000	1.7820	1.7820	7.0000e-005	0.0000	1.7838

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3.12 70-kV Substation Foundation Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0200	0.1940	0.1823	4.2000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	37.0643	37.0643	0.0120	0.0000	37.3639
Total	0.0200	0.1940	0.1823	4.2000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	37.0643	37.0643	0.0120	0.0000	37.3639

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7000e-003	0.0500	0.0138	1.5000e-004	4.0600e-003	1.9000e-004	4.2400e-003	1.1700e-003	1.8000e-004	1.3500e-003	0.0000	14.4604	14.4604	6.3000e-004	0.0000	14.4762
Worker	1.6300e-003	1.2900e-003	0.0119	3.0000e-005	3.6500e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.8816	2.8816	8.0000e-005	0.0000	2.8837
Total	3.3300e-003	0.0513	0.0256	1.8000e-004	7.7100e-003	2.1000e-004	7.9100e-003	2.1400e-003	2.0000e-004	2.3400e-003	0.0000	17.3420	17.3420	7.1000e-004	0.0000	17.3599

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3.12 70-kV Substation Foundation Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0200	0.1940	0.1823	4.2000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	37.0642	37.0642	0.0120	0.0000	37.3639
Total	0.0200	0.1940	0.1823	4.2000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	37.0642	37.0642	0.0120	0.0000	37.3639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7000e-003	0.0500	0.0138	1.5000e-004	4.0600e-003	1.9000e-004	4.2400e-003	1.1700e-003	1.8000e-004	1.3500e-003	0.0000	14.4604	14.4604	6.3000e-004	0.0000	14.4762
Worker	1.6300e-003	1.2900e-003	0.0119	3.0000e-005	3.6500e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.8816	2.8816	8.0000e-005	0.0000	2.8837
Total	3.3300e-003	0.0513	0.0256	1.8000e-004	7.7100e-003	2.1000e-004	7.9100e-003	2.1400e-003	2.0000e-004	2.3400e-003	0.0000	17.3420	17.3420	7.1000e-004	0.0000	17.3599

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3.13 70-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.1005	0.0961	1.3000e-004		6.5500e-003	6.5500e-003		6.0300e-003	6.0300e-003	0.0000	11.3264	11.3264	3.6600e-003	0.0000	11.4180
Total	0.0105	0.1005	0.0961	1.3000e-004		6.5500e-003	6.5500e-003		6.0300e-003	6.0300e-003	0.0000	11.3264	11.3264	3.6600e-003	0.0000	11.4180

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1800e-003	0.0346	9.5400e-003	1.0000e-004	2.8100e-003	1.3000e-004	2.9400e-003	8.1000e-004	1.2000e-004	9.3000e-004	0.0000	10.0110	10.0110	4.4000e-004	0.0000	10.0220
Worker	8.9000e-004	7.0000e-004	6.4600e-003	2.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5718	1.5718	5.0000e-005	0.0000	1.5730
Total	2.0700e-003	0.0353	0.0160	1.2000e-004	4.8000e-003	1.4000e-004	4.9400e-003	1.3400e-003	1.3000e-004	1.4700e-003	0.0000	11.5828	11.5828	4.9000e-004	0.0000	11.5949

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3.13 70-kV Substation Ground Grid Conduit Installation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.1005	0.0961	1.3000e-004		6.5500e-003	6.5500e-003		6.0300e-003	6.0300e-003	0.0000	11.3264	11.3264	3.6600e-003	0.0000	11.4180
Total	0.0105	0.1005	0.0961	1.3000e-004		6.5500e-003	6.5500e-003		6.0300e-003	6.0300e-003	0.0000	11.3264	11.3264	3.6600e-003	0.0000	11.4180

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1800e-003	0.0346	9.5400e-003	1.0000e-004	2.8100e-003	1.3000e-004	2.9400e-003	8.1000e-004	1.2000e-004	9.3000e-004	0.0000	10.0110	10.0110	4.4000e-004	0.0000	10.0220
Worker	8.9000e-004	7.0000e-004	6.4600e-003	2.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5718	1.5718	5.0000e-005	0.0000	1.5730
Total	2.0700e-003	0.0353	0.0160	1.2000e-004	4.8000e-003	1.4000e-004	4.9400e-003	1.3400e-003	1.3000e-004	1.4700e-003	0.0000	11.5828	11.5828	4.9000e-004	0.0000	11.5949

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Annual

3.14 230-kV Substation Ground Grid Conduit Installation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3700e-003	0.0406	0.0312	4.0000e-005		2.8700e-003	2.8700e-003		2.6400e-003	2.6400e-003	0.0000	3.5592	3.5592	1.1500e-003	0.0000	3.5880
Total	4.3700e-003	0.0406	0.0312	4.0000e-005		2.8700e-003	2.8700e-003		2.6400e-003	2.6400e-003	0.0000	3.5592	3.5592	1.1500e-003	0.0000	3.5880

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1000e-004	0.0218	6.4200e-003	3.0000e-005	3.0000e-004	3.0000e-005	3.2000e-004	9.0000e-005	3.0000e-005	1.1000e-004	0.0000	2.5209	2.5209	2.6000e-004	0.0000	2.5274
Worker	4.3000e-004	3.4000e-004	3.1100e-003	1.0000e-005	9.8000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7684	0.7684	2.0000e-005	0.0000	0.7690
Total	1.0400e-003	0.0221	9.5300e-003	4.0000e-005	1.2800e-003	4.0000e-005	1.3000e-003	3.5000e-004	4.0000e-005	3.8000e-004	0.0000	3.2893	3.2893	2.8000e-004	0.0000	3.2964

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3.14 230-kV Substation Ground Grid Conduit Installation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3700e-003	0.0406	0.0312	4.0000e-005		2.8700e-003	2.8700e-003		2.6400e-003	2.6400e-003	0.0000	3.5592	3.5592	1.1500e-003	0.0000	3.5880
Total	4.3700e-003	0.0406	0.0312	4.0000e-005		2.8700e-003	2.8700e-003		2.6400e-003	2.6400e-003	0.0000	3.5592	3.5592	1.1500e-003	0.0000	3.5880

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1000e-004	0.0218	6.4200e-003	3.0000e-005	3.0000e-004	3.0000e-005	3.2000e-004	9.0000e-005	3.0000e-005	1.1000e-004	0.0000	2.5209	2.5209	2.6000e-004	0.0000	2.5274
Worker	4.3000e-004	3.4000e-004	3.1100e-003	1.0000e-005	9.8000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7684	0.7684	2.0000e-005	0.0000	0.7690
Total	1.0400e-003	0.0221	9.5300e-003	4.0000e-005	1.2800e-003	4.0000e-005	1.3000e-003	3.5000e-004	4.0000e-005	3.8000e-004	0.0000	3.2893	3.2893	2.8000e-004	0.0000	3.2964

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3.15 230-kV Substation Steel Bus Erection - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5500e-003	0.0443	0.0417	1.4000e-004		1.5400e-003	1.5400e-003		1.4100e-003	1.4100e-003	0.0000	12.6916	12.6916	4.1000e-003	0.0000	12.7943
Total	5.5500e-003	0.0443	0.0417	1.4000e-004		1.5400e-003	1.5400e-003		1.4100e-003	1.4100e-003	0.0000	12.6916	12.6916	4.1000e-003	0.0000	12.7943

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-004	0.0193	5.6900e-003	3.0000e-005	3.3000e-004	3.0000e-005	3.6000e-004	1.0000e-004	3.0000e-005	1.2000e-004	0.0000	2.4231	2.4231	2.3000e-004	0.0000	2.4289
Worker	3.7000e-004	2.9000e-004	2.6800e-003	1.0000e-005	8.5000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6680	0.6680	2.0000e-005	0.0000	0.6685
Total	9.1000e-004	0.0196	8.3700e-003	4.0000e-005	1.1800e-003	4.0000e-005	1.2200e-003	3.3000e-004	4.0000e-005	3.5000e-004	0.0000	3.0911	3.0911	2.5000e-004	0.0000	3.0974

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3.15 230-kV Substation Steel Bus Erection - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5500e-003	0.0443	0.0417	1.4000e-004		1.5400e-003	1.5400e-003		1.4100e-003	1.4100e-003	0.0000	12.6916	12.6916	4.1000e-003	0.0000	12.7943
Total	5.5500e-003	0.0443	0.0417	1.4000e-004		1.5400e-003	1.5400e-003		1.4100e-003	1.4100e-003	0.0000	12.6916	12.6916	4.1000e-003	0.0000	12.7943

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-004	0.0193	5.6900e-003	3.0000e-005	3.3000e-004	3.0000e-005	3.6000e-004	1.0000e-004	3.0000e-005	1.2000e-004	0.0000	2.4231	2.4231	2.3000e-004	0.0000	2.4289
Worker	3.7000e-004	2.9000e-004	2.6800e-003	1.0000e-005	8.5000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6680	0.6680	2.0000e-005	0.0000	0.6685
Total	9.1000e-004	0.0196	8.3700e-003	4.0000e-005	1.1800e-003	4.0000e-005	1.2200e-003	3.3000e-004	4.0000e-005	3.5000e-004	0.0000	3.0911	3.0911	2.5000e-004	0.0000	3.0974

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3.15 230-kV Substation Steel Bus Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0600e-003	7.9200e-003	8.1900e-003	3.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	2.5400	2.5400	8.2000e-004	0.0000	2.5605
Total	1.0600e-003	7.9200e-003	8.1900e-003	3.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	2.5400	2.5400	8.2000e-004	0.0000	2.5605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	3.4100e-003	1.0000e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.4797	0.4797	4.0000e-005	0.0000	0.4807
Worker	7.0000e-005	5.0000e-005	4.9000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1286	0.1286	0.0000	0.0000	0.1287
Total	1.5000e-004	3.4600e-003	1.4900e-003	0.0000	2.4000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.6083	0.6083	4.0000e-005	0.0000	0.6094

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3.15 230-kV Substation Steel Bus Erection - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0600e-003	7.9200e-003	8.1900e-003	3.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	2.5400	2.5400	8.2000e-004	0.0000	2.5605
Total	1.0600e-003	7.9200e-003	8.1900e-003	3.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	2.5400	2.5400	8.2000e-004	0.0000	2.5605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	3.4100e-003	1.0000e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.4797	0.4797	4.0000e-005	0.0000	0.4807
Worker	7.0000e-005	5.0000e-005	4.9000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1286	0.1286	0.0000	0.0000	0.1287
Total	1.5000e-004	3.4600e-003	1.4900e-003	0.0000	2.4000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.6083	0.6083	4.0000e-005	0.0000	0.6094

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3.16 230-kV Substation Install Yard Rock - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.9900e-003	0.0247	0.0237	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	6.7103	6.7103	2.1700e-003	0.0000	6.7646
Total	2.9900e-003	0.0247	0.0237	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	6.7103	6.7103	2.1700e-003	0.0000	6.7646

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-004	0.0208	5.8200e-003	6.0000e-005	1.4200e-003	7.0000e-005	1.4800e-003	4.1000e-004	7.0000e-005	4.7000e-004	0.0000	5.3217	5.3217	2.6000e-004	0.0000	5.3282
Worker	2.1000e-004	1.7000e-004	1.5300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	1.0000e-005	0.0000	0.3772
Total	8.9000e-004	0.0210	7.3500e-003	6.0000e-005	1.9000e-003	7.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.0000e-004	0.0000	5.6986	5.6986	2.7000e-004	0.0000	5.7054

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3.16 230-kV Substation Install Yard Rock - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.9900e-003	0.0247	0.0237	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	6.7103	6.7103	2.1700e-003	0.0000	6.7646
Total	2.9900e-003	0.0247	0.0237	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	6.7103	6.7103	2.1700e-003	0.0000	6.7646

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-004	0.0208	5.8200e-003	6.0000e-005	1.4200e-003	7.0000e-005	1.4800e-003	4.1000e-004	7.0000e-005	4.7000e-004	0.0000	5.3217	5.3217	2.6000e-004	0.0000	5.3282
Worker	2.1000e-004	1.7000e-004	1.5300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	1.0000e-005	0.0000	0.3772
Total	8.9000e-004	0.0210	7.3500e-003	6.0000e-005	1.9000e-003	7.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.0000e-004	0.0000	5.6986	5.6986	2.7000e-004	0.0000	5.7054

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3.16 230-kV Substation Install Yard Rock - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5600e-003	0.0277	0.0292	1.0000e-004		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	8.3936	8.3936	2.7100e-003	0.0000	8.4615
Total	3.5600e-003	0.0277	0.0292	1.0000e-004		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	8.3936	8.3936	2.7100e-003	0.0000	8.4615

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5000e-004	0.0206	6.4000e-003	7.0000e-005	1.7700e-003	4.0000e-005	1.8100e-003	5.1000e-004	4.0000e-005	5.5000e-004	0.0000	6.5317	6.5317	3.0000e-004	0.0000	6.5391
Worker	2.5000e-004	1.9000e-004	1.7500e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4535	0.4535	1.0000e-005	0.0000	0.4538
Total	9.0000e-004	0.0208	8.1500e-003	8.0000e-005	2.3700e-003	4.0000e-005	2.4100e-003	6.7000e-004	4.0000e-005	7.1000e-004	0.0000	6.9852	6.9852	3.1000e-004	0.0000	6.9929

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3.16 230-kV Substation Install Yard Rock - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5600e-003	0.0277	0.0292	1.0000e-004		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	8.3936	8.3936	2.7100e-003	0.0000	8.4614
Total	3.5600e-003	0.0277	0.0292	1.0000e-004		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	8.3936	8.3936	2.7100e-003	0.0000	8.4614

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5000e-004	0.0206	6.4000e-003	7.0000e-005	1.7700e-003	4.0000e-005	1.8100e-003	5.1000e-004	4.0000e-005	5.5000e-004	0.0000	6.5317	6.5317	3.0000e-004	0.0000	6.5391
Worker	2.5000e-004	1.9000e-004	1.7500e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4535	0.4535	1.0000e-005	0.0000	0.4538
Total	9.0000e-004	0.0208	8.1500e-003	8.0000e-005	2.3700e-003	4.0000e-005	2.4100e-003	6.7000e-004	4.0000e-005	7.1000e-004	0.0000	6.9852	6.9852	3.1000e-004	0.0000	6.9929

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3.17 70-kV Substation Steel Bus Erection - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0107	0.0832	0.0921	3.0000e-004		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	26.4162	26.4162	8.5400e-003	0.0000	26.6298
Total	0.0107	0.0832	0.0921	3.0000e-004		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	26.4162	26.4162	8.5400e-003	0.0000	26.6298

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3000e-004	0.0131	4.1300e-003	5.0000e-005	1.3800e-003	3.0000e-005	1.4100e-003	4.0000e-004	3.0000e-005	4.3000e-004	0.0000	4.8179	4.8179	2.0000e-004	0.0000	4.8228
Worker	4.3000e-004	3.2000e-004	3.0400e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7565	0.7565	2.0000e-005	0.0000	0.7571
Total	8.6000e-004	0.0134	7.1700e-003	6.0000e-005	2.3700e-003	4.0000e-005	2.4100e-003	6.6000e-004	4.0000e-005	7.0000e-004	0.0000	5.5744	5.5744	2.2000e-004	0.0000	5.5799

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3.17 70-kV Substation Steel Bus Erection - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0107	0.0832	0.0921	3.0000e-004		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	26.4161	26.4161	8.5400e-003	0.0000	26.6297
Total	0.0107	0.0832	0.0921	3.0000e-004		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	26.4161	26.4161	8.5400e-003	0.0000	26.6297

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3000e-004	0.0131	4.1300e-003	5.0000e-005	1.3800e-003	3.0000e-005	1.4100e-003	4.0000e-004	3.0000e-005	4.3000e-004	0.0000	4.8179	4.8179	2.0000e-004	0.0000	4.8228
Worker	4.3000e-004	3.2000e-004	3.0400e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7565	0.7565	2.0000e-005	0.0000	0.7571
Total	8.6000e-004	0.0134	7.1700e-003	6.0000e-005	2.3700e-003	4.0000e-005	2.4100e-003	6.6000e-004	4.0000e-005	7.0000e-004	0.0000	5.5744	5.5744	2.2000e-004	0.0000	5.5799

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3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0274	0.2029	0.2041	7.0000e-004		7.7700e-003	7.7700e-003		7.2400e-003	7.2400e-003	0.0000	61.3416	61.3416	0.0184	0.0000	61.8006
Total	0.0274	0.2029	0.2041	7.0000e-004		7.7700e-003	7.7700e-003		7.2400e-003	7.2400e-003	0.0000	61.3416	61.3416	0.0184	0.0000	61.8006

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-004	0.0255	7.4400e-003	4.0000e-005	4.8000e-004	2.0000e-005	5.0000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	3.5344	3.5344	2.9000e-004	0.0000	3.5417
Worker	7.1000e-004	5.4000e-004	5.0400e-003	1.0000e-005	1.7000e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2948	1.2948	4.0000e-005	0.0000	1.2957
Total	1.3400e-003	0.0260	0.0125	5.0000e-005	2.1800e-003	3.0000e-005	2.2200e-003	5.9000e-004	3.0000e-005	6.2000e-004	0.0000	4.8292	4.8292	3.3000e-004	0.0000	4.8374

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3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0274	0.2029	0.2041	7.0000e-004		7.7700e-003	7.7700e-003		7.2400e-003	7.2400e-003	0.0000	61.3416	61.3416	0.0184	0.0000	61.8005
Total	0.0274	0.2029	0.2041	7.0000e-004		7.7700e-003	7.7700e-003		7.2400e-003	7.2400e-003	0.0000	61.3416	61.3416	0.0184	0.0000	61.8005

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-004	0.0255	7.4400e-003	4.0000e-005	4.8000e-004	2.0000e-005	5.0000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	3.5344	3.5344	2.9000e-004	0.0000	3.5417
Worker	7.1000e-004	5.4000e-004	5.0400e-003	1.0000e-005	1.7000e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2948	1.2948	4.0000e-005	0.0000	1.2957
Total	1.3400e-003	0.0260	0.0125	5.0000e-005	2.1800e-003	3.0000e-005	2.2200e-003	5.9000e-004	3.0000e-005	6.2000e-004	0.0000	4.8292	4.8292	3.3000e-004	0.0000	4.8374

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3.19 230-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5800e-003	0.0172	8.2500e-003	3.0000e-005		7.2000e-004	7.2000e-004		6.6000e-004	6.6000e-004	0.0000	2.2813	2.2813	7.4000e-004	0.0000	2.2997
Total	1.5800e-003	0.0172	8.2500e-003	3.0000e-005		7.2000e-004	7.2000e-004		6.6000e-004	6.6000e-004	0.0000	2.2813	2.2813	7.4000e-004	0.0000	2.2997

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.3400e-003	4.2000e-004	1.0000e-005	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.4941	0.4941	2.0000e-005	0.0000	0.4947
Worker	2.1000e-004	1.6000e-004	1.5200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4030	0.4030	1.0000e-005	0.0000	0.4032
Total	2.5000e-004	1.5000e-003	1.9400e-003	1.0000e-005	6.7000e-004	0.0000	6.8000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.8971	0.8971	3.0000e-005	0.0000	0.8979

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3.19 230-kV Substation Control Enclosure Delivery and Install - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5800e-003	0.0172	8.2500e-003	3.0000e-005		7.2000e-004	7.2000e-004		6.6000e-004	6.6000e-004	0.0000	2.2813	2.2813	7.4000e-004	0.0000	2.2997
Total	1.5800e-003	0.0172	8.2500e-003	3.0000e-005		7.2000e-004	7.2000e-004		6.6000e-004	6.6000e-004	0.0000	2.2813	2.2813	7.4000e-004	0.0000	2.2997

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.3400e-003	4.2000e-004	1.0000e-005	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.4941	0.4941	2.0000e-005	0.0000	0.4947
Worker	2.1000e-004	1.6000e-004	1.5200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4030	0.4030	1.0000e-005	0.0000	0.4032
Total	2.5000e-004	1.5000e-003	1.9400e-003	1.0000e-005	6.7000e-004	0.0000	6.8000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.8971	0.8971	3.0000e-005	0.0000	0.8979

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3.20 230-kV Substation Remaining Equipment Delivery and Install - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9100e-003	0.0348	0.0321	1.3000e-004		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	11.3207	11.3207	3.6600e-003	0.0000	11.4122
Total	4.9100e-003	0.0348	0.0321	1.3000e-004		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	11.3207	11.3207	3.6600e-003	0.0000	11.4122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2000e-004	0.0209	6.1300e-003	3.0000e-005	4.5000e-004	2.0000e-005	4.7000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	3.0534	3.0534	2.4000e-004	0.0000	3.0595
Worker	3.5000e-004	2.7000e-004	2.4700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6548	0.6548	2.0000e-005	0.0000	0.6552
Total	8.7000e-004	0.0212	8.6000e-003	4.0000e-005	1.3200e-003	3.0000e-005	1.3400e-003	3.6000e-004	2.0000e-005	3.9000e-004	0.0000	3.7082	3.7082	2.6000e-004	0.0000	3.7147

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3.20 230-kV Substation Remaining Equipment Delivery and Install - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9100e-003	0.0348	0.0321	1.3000e-004		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	11.3207	11.3207	3.6600e-003	0.0000	11.4122
Total	4.9100e-003	0.0348	0.0321	1.3000e-004		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	11.3207	11.3207	3.6600e-003	0.0000	11.4122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2000e-004	0.0209	6.1300e-003	3.0000e-005	4.5000e-004	2.0000e-005	4.7000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	3.0534	3.0534	2.4000e-004	0.0000	3.0595
Worker	3.5000e-004	2.7000e-004	2.4700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6548	0.6548	2.0000e-005	0.0000	0.6552
Total	8.7000e-004	0.0212	8.6000e-003	4.0000e-005	1.3200e-003	3.0000e-005	1.3400e-003	3.6000e-004	2.0000e-005	3.9000e-004	0.0000	3.7082	3.7082	2.6000e-004	0.0000	3.7147

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3.21 230-kV Transmission Conductor - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4000e-003	0.0472	0.0321	1.2000e-004		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	10.3885	10.3885	3.3600e-003	0.0000	10.4725
Total	5.4000e-003	0.0472	0.0321	1.2000e-004		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	10.3885	10.3885	3.3600e-003	0.0000	10.4725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	3.6900e-003	1.1600e-003	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.3589	1.3589	6.0000e-005	0.0000	1.3603
Worker	3.4000e-004	2.6000e-004	2.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6380	0.6380	2.0000e-005	0.0000	0.6384
Total	4.6000e-004	3.9500e-003	3.5700e-003	2.0000e-005	1.2300e-003	2.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.9969	1.9969	8.0000e-005	0.0000	1.9987

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3.21 230-kV Transmission Conductor - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4000e-003	0.0472	0.0321	1.2000e-004		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	10.3885	10.3885	3.3600e-003	0.0000	10.4725
Total	5.4000e-003	0.0472	0.0321	1.2000e-004		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	10.3885	10.3885	3.3600e-003	0.0000	10.4725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	3.6900e-003	1.1600e-003	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.3589	1.3589	6.0000e-005	0.0000	1.3603
Worker	3.4000e-004	2.6000e-004	2.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6380	0.6380	2.0000e-005	0.0000	0.6384
Total	4.6000e-004	3.9500e-003	3.5700e-003	2.0000e-005	1.2300e-003	2.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.9969	1.9969	8.0000e-005	0.0000	1.9987

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Annual

3.22 70-kV Substation Equip Delivery & Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3100e-003	0.0260	0.0293	9.0000e-005		8.5000e-004	8.5000e-004		7.8000e-004	7.8000e-004	0.0000	8.2297	8.2297	2.6600e-003	0.0000	8.2962
Total	3.3100e-003	0.0260	0.0293	9.0000e-005		8.5000e-004	8.5000e-004		7.8000e-004	7.8000e-004	0.0000	8.2297	8.2297	2.6600e-003	0.0000	8.2962

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0121	3.8100e-003	5.0000e-005	1.2700e-003	3.0000e-005	1.3000e-003	3.7000e-004	3.0000e-005	3.9000e-004	0.0000	4.4473	4.4473	1.8000e-004	0.0000	4.4519
Worker	3.5000e-004	2.6000e-004	2.4900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.2000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	7.5000e-004	0.0123	6.3000e-003	6.0000e-005	2.0900e-003	4.0000e-005	2.1200e-003	5.9000e-004	3.0000e-005	6.1000e-004	0.0000	5.0724	5.0724	2.0000e-004	0.0000	5.0774

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3.22 70-kV Substation Equip Delivery & Installation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3100e-003	0.0260	0.0293	9.0000e-005		8.5000e-004	8.5000e-004		7.8000e-004	7.8000e-004	0.0000	8.2297	8.2297	2.6600e-003	0.0000	8.2962
Total	3.3100e-003	0.0260	0.0293	9.0000e-005		8.5000e-004	8.5000e-004		7.8000e-004	7.8000e-004	0.0000	8.2297	8.2297	2.6600e-003	0.0000	8.2962

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0121	3.8100e-003	5.0000e-005	1.2700e-003	3.0000e-005	1.3000e-003	3.7000e-004	3.0000e-005	3.9000e-004	0.0000	4.4473	4.4473	1.8000e-004	0.0000	4.4519
Worker	3.5000e-004	2.6000e-004	2.4900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.2000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	7.5000e-004	0.0123	6.3000e-003	6.0000e-005	2.0900e-003	4.0000e-005	2.1200e-003	5.9000e-004	3.0000e-005	6.1000e-004	0.0000	5.0724	5.0724	2.0000e-004	0.0000	5.0774

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Annual

3.23 70-kV Substation Control Enclosure Delivery and Install - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2471	0.2471	1.0000e-005	0.0000	0.2473
Worker	1.0000e-004	8.0000e-005	7.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1865	0.1865	1.0000e-005	0.0000	0.1866
Total	1.2000e-004	7.5000e-004	9.2000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.4335	0.4335	2.0000e-005	0.0000	0.4339

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3.23 70-kV Substation Control Enclosure Delivery and Install - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2471	0.2471	1.0000e-005	0.0000	0.2473
Worker	1.0000e-004	8.0000e-005	7.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1865	0.1865	1.0000e-005	0.0000	0.1866
Total	1.2000e-004	7.5000e-004	9.2000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.4335	0.4335	2.0000e-005	0.0000	0.4339

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Annual

3.24 230-kV Transmission Site Clean-up and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3800e-003	0.0163	8.4200e-003	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.1545	2.1545	7.0000e-004	0.0000	2.1719
Total	1.3800e-003	0.0163	8.4200e-003	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.1545	2.1545	7.0000e-004	0.0000	2.1719

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	3.0200e-003	9.5000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.1118	1.1118	5.0000e-005	0.0000	1.1130
Worker	1.2000e-004	1.0000e-004	8.9000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2351	0.2351	1.0000e-005	0.0000	0.2352
Total	2.2000e-004	3.1200e-003	1.8400e-003	1.0000e-005	6.3000e-004	1.0000e-005	6.3000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	1.3469	1.3469	6.0000e-005	0.0000	1.3482

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Annual

3.24 230-kV Transmission Site Clean-up and Restoration - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3800e-003	0.0163	8.4200e-003	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.1545	2.1545	7.0000e-004	0.0000	2.1719
Total	1.3800e-003	0.0163	8.4200e-003	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.1545	2.1545	7.0000e-004	0.0000	2.1719

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	3.0200e-003	9.5000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.1118	1.1118	5.0000e-005	0.0000	1.1130
Worker	1.2000e-004	1.0000e-004	8.9000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2351	0.2351	1.0000e-005	0.0000	0.2352
Total	2.2000e-004	3.1200e-003	1.8400e-003	1.0000e-005	6.3000e-004	1.0000e-005	6.3000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	1.3469	1.3469	6.0000e-005	0.0000	1.3482

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Annual

3.25 230-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0000e-004	3.1500e-003	6.4500e-003	1.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.8711	0.8711	2.8000e-004	0.0000	0.8782
Total	2.0000e-004	3.1500e-003	6.4500e-003	1.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.8711	0.8711	2.8000e-004	0.0000	0.8782

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.0100e-003	6.3000e-004	1.0000e-005	2.1000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.7412	0.7412	3.0000e-005	0.0000	0.7420
Worker	1.8000e-004	1.4000e-004	1.2700e-003	0.0000	4.4000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3358	0.3358	1.0000e-005	0.0000	0.3360
Total	2.5000e-004	2.1500e-003	1.9000e-003	1.0000e-005	6.5000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	1.0770	1.0770	4.0000e-005	0.0000	1.0780

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3.25 230-kV Substation Cable Installation and Termination - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0000e-004	3.1500e-003	6.4500e-003	1.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.8711	0.8711	2.8000e-004	0.0000	0.8782
Total	2.0000e-004	3.1500e-003	6.4500e-003	1.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.8711	0.8711	2.8000e-004	0.0000	0.8782

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.0100e-003	6.3000e-004	1.0000e-005	2.1000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.7412	0.7412	3.0000e-005	0.0000	0.7420
Worker	1.8000e-004	1.4000e-004	1.2700e-003	0.0000	4.4000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3358	0.3358	1.0000e-005	0.0000	0.3360
Total	2.5000e-004	2.1500e-003	1.9000e-003	1.0000e-005	6.5000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	1.0770	1.0770	4.0000e-005	0.0000	1.0780

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3.26 230-kV Substation Testing and Commissioning - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0436	0.0138	1.7000e-004	4.5900e-003	1.0000e-004	4.6900e-003	1.3300e-003	1.0000e-004	1.4200e-003	0.0000	16.0596	16.0596	6.6000e-004	0.0000	16.0761
Worker	4.1000e-004	3.0000e-004	2.8400e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6946	0.6946	2.0000e-005	0.0000	0.6951
Total	1.8600e-003	0.0439	0.0166	1.8000e-004	5.5000e-003	1.1000e-004	5.6000e-003	1.5700e-003	1.1000e-004	1.6700e-003	0.0000	16.7542	16.7542	6.8000e-004	0.0000	16.7713

Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Annual

3.26 230-kV Substation Testing and Commissioning - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0436	0.0138	1.7000e-004	4.5900e-003	1.0000e-004	4.6900e-003	1.3300e-003	1.0000e-004	1.4200e-003	0.0000	16.0596	16.0596	6.6000e-004	0.0000	16.0761
Worker	4.1000e-004	3.0000e-004	2.8400e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6946	0.6946	2.0000e-005	0.0000	0.6951
Total	1.8600e-003	0.0439	0.0166	1.8000e-004	5.5000e-003	1.1000e-004	5.6000e-003	1.5700e-003	1.1000e-004	1.6700e-003	0.0000	16.7542	16.7542	6.8000e-004	0.0000	16.7713

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3.27 70-kV Substation Cable Installation and Termination - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	3.0200e-003	9.5000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.1118	1.1118	5.0000e-005	0.0000	1.1130
Worker	2.4000e-004	1.8000e-004	1.6900e-003	0.0000	5.4000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4127	0.4127	1.0000e-005	0.0000	0.4130
Total	3.4000e-004	3.2000e-003	2.6400e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.5000e-004	0.0000	1.5245	1.5245	6.0000e-005	0.0000	1.5259

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3.27 70-kV Substation Cable Installation and Termination - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	3.0200e-003	9.5000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.1118	1.1118	5.0000e-005	0.0000	1.1130
Worker	2.4000e-004	1.8000e-004	1.6900e-003	0.0000	5.4000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4127	0.4127	1.0000e-005	0.0000	0.4130
Total	3.4000e-004	3.2000e-003	2.6400e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.5000e-004	0.0000	1.5245	1.5245	6.0000e-005	0.0000	1.5259

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3.28 70-kV Power Line Site Development Mobilization - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.5400e-003	0.0000	9.5400e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9100e-003	0.0465	0.0219	7.0000e-005		1.5800e-003	1.5800e-003		1.4600e-003	1.4600e-003	0.0000	6.0531	6.0531	1.9600e-003	0.0000	6.1021
Total	3.9100e-003	0.0465	0.0219	7.0000e-005	9.5400e-003	1.5800e-003	0.0111	1.0300e-003	1.4600e-003	2.4900e-003	0.0000	6.0531	6.0531	1.9600e-003	0.0000	6.1021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	6.7100e-003	2.1200e-003	3.0000e-005	7.1000e-004	2.0000e-005	7.2000e-004	2.0000e-004	1.0000e-005	2.2000e-004	0.0000	2.4707	2.4707	1.0000e-004	0.0000	2.4733
Worker	3.2000e-004	2.4000e-004	2.2700e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5859	0.5859	2.0000e-005	0.0000	0.5863
Total	5.4000e-004	6.9500e-003	4.3900e-003	4.0000e-005	1.4800e-003	2.0000e-005	1.5000e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	3.0566	3.0566	1.2000e-004	0.0000	3.0595

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3.28 70-kV Power Line Site Development Mobilization - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7200e-003	0.0000	3.7200e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9100e-003	0.0465	0.0219	7.0000e-005		1.5800e-003	1.5800e-003		1.4600e-003	1.4600e-003	0.0000	6.0531	6.0531	1.9600e-003	0.0000	6.1021
Total	3.9100e-003	0.0465	0.0219	7.0000e-005	3.7200e-003	1.5800e-003	5.3000e-003	4.0000e-004	1.4600e-003	1.8600e-003	0.0000	6.0531	6.0531	1.9600e-003	0.0000	6.1021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	6.7100e-003	2.1200e-003	3.0000e-005	7.1000e-004	2.0000e-005	7.2000e-004	2.0000e-004	1.0000e-005	2.2000e-004	0.0000	2.4707	2.4707	1.0000e-004	0.0000	2.4733
Worker	3.2000e-004	2.4000e-004	2.2700e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5859	0.5859	2.0000e-005	0.0000	0.5863
Total	5.4000e-004	6.9500e-003	4.3900e-003	4.0000e-005	1.4800e-003	2.0000e-005	1.5000e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	3.0566	3.0566	1.2000e-004	0.0000	3.0595

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3.29 Reconducting Segment Clean-up and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0256	0.0143	4.0000e-005		9.1000e-004	9.1000e-004		8.3000e-004	8.3000e-004	0.0000	3.4369	3.4369	1.1100e-003	0.0000	3.4647
Total	2.1800e-003	0.0256	0.0143	4.0000e-005	2.3900e-003	9.1000e-004	3.3000e-003	2.6000e-004	8.3000e-004	1.0900e-003	0.0000	3.4369	3.4369	1.1100e-003	0.0000	3.4647

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.3600e-003	1.0600e-003	1.0000e-005	3.5000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	1.2354	1.2354	5.0000e-005	0.0000	1.2366
Worker	2.5000e-004	1.9000e-004	1.7500e-003	0.0000	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4463	0.4463	1.0000e-005	0.0000	0.4466
Total	3.6000e-004	3.5500e-003	2.8100e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.5000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.6817	1.6817	6.0000e-005	0.0000	1.6833

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3.29 Reconducting Segment Clean-up and Restoration - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3000e-004	0.0000	9.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0256	0.0143	4.0000e-005		9.1000e-004	9.1000e-004		8.3000e-004	8.3000e-004	0.0000	3.4369	3.4369	1.1100e-003	0.0000	3.4647
Total	2.1800e-003	0.0256	0.0143	4.0000e-005	9.3000e-004	9.1000e-004	1.8400e-003	1.0000e-004	8.3000e-004	9.3000e-004	0.0000	3.4369	3.4369	1.1100e-003	0.0000	3.4647

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.3600e-003	1.0600e-003	1.0000e-005	3.5000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	1.2354	1.2354	5.0000e-005	0.0000	1.2366
Worker	2.5000e-004	1.9000e-004	1.7500e-003	0.0000	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4463	0.4463	1.0000e-005	0.0000	0.4466
Total	3.6000e-004	3.5500e-003	2.8100e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.5000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.6817	1.6817	6.0000e-005	0.0000	1.6833

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3.30 70-kV Power Line Pole Tower Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2259	1.7600	1.6673	5.5700e-003		0.0685	0.0685		0.0630	0.0630	0.0000	489.3626	489.3626	0.1583	0.0000	493.3193
Total	0.2259	1.7600	1.6673	5.5700e-003		0.0685	0.0685		0.0630	0.0630	0.0000	489.3626	489.3626	0.1583	0.0000	493.3193

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5800e-003	0.1980	0.0624	7.5000e-004	0.0208	4.6000e-004	0.0213	6.0200e-003	4.4000e-004	6.4500e-003	0.0000	72.8857	72.8857	3.0100e-003	0.0000	72.9609
Worker	0.0124	9.3100e-003	0.0873	2.5000e-004	0.0292	1.9000e-004	0.0294	7.7700e-003	1.7000e-004	7.9400e-003	0.0000	22.2316	22.2316	6.1000e-004	0.0000	22.2468
Total	0.0190	0.2073	0.1497	1.0000e-003	0.0501	6.5000e-004	0.0507	0.0138	6.1000e-004	0.0144	0.0000	95.1174	95.1174	3.6200e-003	0.0000	95.2077

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3.30 70-kV Power Line Pole Tower Installation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2259	1.7600	1.6673	5.5700e-003		0.0685	0.0685		0.0630	0.0630	0.0000	489.3620	489.3620	0.1583	0.0000	493.3187
Total	0.2259	1.7600	1.6673	5.5700e-003		0.0685	0.0685		0.0630	0.0630	0.0000	489.3620	489.3620	0.1583	0.0000	493.3187

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5800e-003	0.1980	0.0624	7.5000e-004	0.0208	4.6000e-004	0.0213	6.0200e-003	4.4000e-004	6.4500e-003	0.0000	72.8857	72.8857	3.0100e-003	0.0000	72.9609
Worker	0.0124	9.3100e-003	0.0873	2.5000e-004	0.0292	1.9000e-004	0.0294	7.7700e-003	1.7000e-004	7.9400e-003	0.0000	22.2316	22.2316	6.1000e-004	0.0000	22.2468
Total	0.0190	0.2073	0.1497	1.0000e-003	0.0501	6.5000e-004	0.0507	0.0138	6.1000e-004	0.0144	0.0000	95.1174	95.1174	3.6200e-003	0.0000	95.2077

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3.31 70-kV Substation Install Yard Rock - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3200e-003	0.0358	0.0414	1.1000e-004		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	9.6994	9.6994	3.1400e-003	0.0000	9.7778
Total	4.3200e-003	0.0358	0.0414	1.1000e-004		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	9.6994	9.6994	3.1400e-003	0.0000	9.7778

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-004	0.0107	3.3900e-003	4.0000e-005	1.1300e-003	2.0000e-005	1.1600e-003	3.3000e-004	2.0000e-005	3.5000e-004	0.0000	3.9531	3.9531	1.6000e-004	0.0000	3.9572
Worker	2.1000e-004	1.6000e-004	1.5200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4030	0.4030	1.0000e-005	0.0000	0.4032
Total	5.7000e-004	0.0109	4.9100e-003	4.0000e-005	1.6600e-003	2.0000e-005	1.7000e-003	4.7000e-004	2.0000e-005	4.9000e-004	0.0000	4.3561	4.3561	1.7000e-004	0.0000	4.3604

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3.31 70-kV Substation Install Yard Rock - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3200e-003	0.0358	0.0414	1.1000e-004		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	9.6993	9.6993	3.1400e-003	0.0000	9.7778
Total	4.3200e-003	0.0358	0.0414	1.1000e-004		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	9.6993	9.6993	3.1400e-003	0.0000	9.7778

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-004	0.0107	3.3900e-003	4.0000e-005	1.1300e-003	2.0000e-005	1.1600e-003	3.3000e-004	2.0000e-005	3.5000e-004	0.0000	3.9531	3.9531	1.6000e-004	0.0000	3.9572
Worker	2.1000e-004	1.6000e-004	1.5200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4030	0.4030	1.0000e-005	0.0000	0.4032
Total	5.7000e-004	0.0109	4.9100e-003	4.0000e-005	1.6600e-003	2.0000e-005	1.7000e-003	4.7000e-004	2.0000e-005	4.9000e-004	0.0000	4.3561	4.3561	1.7000e-004	0.0000	4.3604

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3.32 230-kV Substation Cleanup and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1200e-003	0.0208	0.0281	4.0000e-005		1.1100e-003	1.1100e-003		1.0200e-003	1.0200e-003	0.0000	3.3654	3.3654	1.0900e-003	0.0000	3.3927
Total	2.1200e-003	0.0208	0.0281	4.0000e-005	0.0000	1.1100e-003	1.1100e-003	0.0000	1.0200e-003	1.0200e-003	0.0000	3.3654	3.3654	1.0900e-003	0.0000	3.3927

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7000e-004	0.0292	9.2000e-003	1.1000e-004	3.0700e-003	7.0000e-005	3.1400e-003	8.9000e-004	6.0000e-005	9.5000e-004	0.0000	10.7476	10.7476	4.4000e-004	0.0000	10.7586
Worker	1.8000e-004	1.3000e-004	1.2400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3125	0.3125	1.0000e-005	0.0000	0.3128
Total	1.1500e-003	0.0293	0.0104	1.1000e-004	3.4800e-003	7.0000e-005	3.5500e-003	1.0000e-003	6.0000e-005	1.0600e-003	0.0000	11.0601	11.0601	4.5000e-004	0.0000	11.0714

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3.32 230-kV Substation Cleanup and Restoration - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1200e-003	0.0208	0.0281	4.0000e-005		1.1100e-003	1.1100e-003		1.0200e-003	1.0200e-003	0.0000	3.3654	3.3654	1.0900e-003	0.0000	3.3927
Total	2.1200e-003	0.0208	0.0281	4.0000e-005	0.0000	1.1100e-003	1.1100e-003	0.0000	1.0200e-003	1.0200e-003	0.0000	3.3654	3.3654	1.0900e-003	0.0000	3.3927

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7000e-004	0.0292	9.2000e-003	1.1000e-004	3.0700e-003	7.0000e-005	3.1400e-003	8.9000e-004	6.0000e-005	9.5000e-004	0.0000	10.7476	10.7476	4.4000e-004	0.0000	10.7586
Worker	1.8000e-004	1.3000e-004	1.2400e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3125	0.3125	1.0000e-005	0.0000	0.3128
Total	1.1500e-003	0.0293	0.0104	1.1000e-004	3.4800e-003	7.0000e-005	3.5500e-003	1.0000e-003	6.0000e-005	1.0600e-003	0.0000	11.0601	11.0601	4.5000e-004	0.0000	11.0714

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3.33 70-kV Cleanup and Restoration - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.0800e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2754	0.2754	1.0000e-005	0.0000	0.2756
Total	1.5000e-004	1.2000e-004	1.0800e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2754	0.2754	1.0000e-005	0.0000	0.2756

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3.33 70-kV Cleanup and Restoration - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.0800e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2754	0.2754	1.0000e-005	0.0000	0.2756
Total	1.5000e-004	1.2000e-004	1.0800e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2754	0.2754	1.0000e-005	0.0000	0.2756

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3.34 70-kV Substation Testing and Commissioning - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	5.8200e-003	1.8300e-003	2.0000e-005	6.1000e-004	1.0000e-005	6.3000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.1413	2.1413	9.0000e-005	0.0000	2.1435
Worker	8.2000e-004	6.2000e-004	5.7800e-003	2.0000e-005	1.9500e-003	1.0000e-005	1.9700e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.4844	1.4844	4.0000e-005	0.0000	1.4854
Total	1.0100e-003	6.4400e-003	7.6100e-003	4.0000e-005	2.5600e-003	2.0000e-005	2.6000e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	3.6256	3.6256	1.3000e-004	0.0000	3.6289

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3.34 70-kV Substation Testing and Commissioning - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	5.8200e-003	1.8300e-003	2.0000e-005	6.1000e-004	1.0000e-005	6.3000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.1413	2.1413	9.0000e-005	0.0000	2.1435
Worker	8.2000e-004	6.2000e-004	5.7800e-003	2.0000e-005	1.9500e-003	1.0000e-005	1.9700e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.4844	1.4844	4.0000e-005	0.0000	1.4854
Total	1.0100e-003	6.4400e-003	7.6100e-003	4.0000e-005	2.5600e-003	2.0000e-005	2.6000e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	3.6256	3.6256	1.3000e-004	0.0000	3.6289

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3.35 70-kV Power Line Conductor Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0639	0.5478	0.4287	1.4000e-003		0.0226	0.0226		0.0208	0.0208	0.0000	122.7593	122.7593	0.0397	0.0000	123.7519
Total	0.0639	0.5478	0.4287	1.4000e-003		0.0226	0.0226		0.0208	0.0208	0.0000	122.7593	122.7593	0.0397	0.0000	123.7519

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7000e-004	0.0291	9.1700e-003	1.1000e-004	3.0600e-003	7.0000e-005	3.1300e-003	8.8000e-004	6.0000e-005	9.5000e-004	0.0000	10.7064	10.7064	4.4000e-004	0.0000	10.7174
Worker	2.2000e-003	1.6700e-003	0.0156	4.0000e-005	5.2800e-003	3.0000e-005	5.3100e-003	1.4000e-003	3.0000e-005	1.4300e-003	0.0000	4.0078	4.0078	1.1000e-004	0.0000	4.0106
Total	3.1700e-003	0.0308	0.0248	1.5000e-004	8.3400e-003	1.0000e-004	8.4400e-003	2.2800e-003	9.0000e-005	2.3800e-003	0.0000	14.7142	14.7142	5.5000e-004	0.0000	14.7280

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3.35 70-kV Power Line Conductor Installation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0639	0.5478	0.4287	1.4000e-003		0.0226	0.0226		0.0208	0.0208	0.0000	122.7592	122.7592	0.0397	0.0000	123.7517
Total	0.0639	0.5478	0.4287	1.4000e-003		0.0226	0.0226		0.0208	0.0208	0.0000	122.7592	122.7592	0.0397	0.0000	123.7517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7000e-004	0.0291	9.1700e-003	1.1000e-004	3.0600e-003	7.0000e-005	3.1300e-003	8.8000e-004	6.0000e-005	9.5000e-004	0.0000	10.7064	10.7064	4.4000e-004	0.0000	10.7174
Worker	2.2000e-003	1.6700e-003	0.0156	4.0000e-005	5.2800e-003	3.0000e-005	5.3100e-003	1.4000e-003	3.0000e-005	1.4300e-003	0.0000	4.0078	4.0078	1.1000e-004	0.0000	4.0106
Total	3.1700e-003	0.0308	0.0248	1.5000e-004	8.3400e-003	1.0000e-004	8.4400e-003	2.2800e-003	9.0000e-005	2.3800e-003	0.0000	14.7142	14.7142	5.5000e-004	0.0000	14.7280

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3.35 70-kV Power Line Conductor Installation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0321	0.2634	0.2192	7.3000e-004		0.0107	0.0107		9.8400e-003	9.8400e-003	0.0000	63.7556	63.7556	0.0206	0.0000	64.2711
Total	0.0321	0.2634	0.2192	7.3000e-004		0.0107	0.0107		9.8400e-003	9.8400e-003	0.0000	63.7556	63.7556	0.0206	0.0000	64.2711

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0146	4.5300e-003	6.0000e-005	1.5900e-003	3.0000e-005	1.6200e-003	4.6000e-004	3.0000e-005	4.9000e-004	0.0000	5.5287	5.5287	2.3000e-004	0.0000	5.5345
Worker	1.0800e-003	7.8000e-004	7.4500e-003	2.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.4000e-004	0.0000	2.0002	2.0002	5.0000e-005	0.0000	2.0014
Total	1.5600e-003	0.0154	0.0120	8.0000e-005	4.3300e-003	5.0000e-005	4.3800e-003	1.1900e-003	5.0000e-005	1.2300e-003	0.0000	7.5289	7.5289	2.8000e-004	0.0000	7.5360

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3.35 70-kV Power Line Conductor Installation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0321	0.2634	0.2192	7.3000e-004		0.0107	0.0107		9.8400e-003	9.8400e-003	0.0000	63.7556	63.7556	0.0206	0.0000	64.2711
Total	0.0321	0.2634	0.2192	7.3000e-004		0.0107	0.0107		9.8400e-003	9.8400e-003	0.0000	63.7556	63.7556	0.0206	0.0000	64.2711

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0146	4.5300e-003	6.0000e-005	1.5900e-003	3.0000e-005	1.6200e-003	4.6000e-004	3.0000e-005	4.9000e-004	0.0000	5.5287	5.5287	2.3000e-004	0.0000	5.5345
Worker	1.0800e-003	7.8000e-004	7.4500e-003	2.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.4000e-004	0.0000	2.0002	2.0002	5.0000e-005	0.0000	2.0014
Total	1.5600e-003	0.0154	0.0120	8.0000e-005	4.3300e-003	5.0000e-005	4.3800e-003	1.1900e-003	5.0000e-005	1.2300e-003	0.0000	7.5289	7.5289	2.8000e-004	0.0000	7.5360

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3.36 70-kV Power Line Clean-up and Restoration - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0300e-003	0.0231	0.0142	4.0000e-005		8.1000e-004	8.1000e-004		7.4000e-004	7.4000e-004	0.0000	3.4360	3.4360	1.1100e-003	0.0000	3.4638
Total	2.0300e-003	0.0231	0.0142	4.0000e-005	2.3900e-003	8.1000e-004	3.2000e-003	2.6000e-004	7.4000e-004	1.0000e-003	0.0000	3.4360	3.4360	1.1100e-003	0.0000	3.4638

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	4.5400e-003	1.4100e-003	2.0000e-005	4.9000e-004	1.0000e-005	5.0000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	1.7201	1.7201	7.0000e-005	0.0000	1.7219
Worker	2.5000e-004	1.8000e-004	1.7500e-003	1.0000e-005	6.5000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.4754	0.4754	1.0000e-005	0.0000	0.4757
Total	4.0000e-004	4.7200e-003	3.1600e-003	3.0000e-005	1.1400e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.3000e-004	0.0000	2.1955	2.1955	8.0000e-005	0.0000	2.1976

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3.36 70-kV Power Line Clean-up and Restoration - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3000e-004	0.0000	9.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0300e-003	0.0231	0.0142	4.0000e-005		8.1000e-004	8.1000e-004		7.4000e-004	7.4000e-004	0.0000	3.4360	3.4360	1.1100e-003	0.0000	3.4638
Total	2.0300e-003	0.0231	0.0142	4.0000e-005	9.3000e-004	8.1000e-004	1.7400e-003	1.0000e-004	7.4000e-004	8.4000e-004	0.0000	3.4360	3.4360	1.1100e-003	0.0000	3.4638

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	4.5400e-003	1.4100e-003	2.0000e-005	4.9000e-004	1.0000e-005	5.0000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	1.7201	1.7201	7.0000e-005	0.0000	1.7219
Worker	2.5000e-004	1.8000e-004	1.7500e-003	1.0000e-005	6.5000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.4754	0.4754	1.0000e-005	0.0000	0.4757
Total	4.0000e-004	4.7200e-003	3.1600e-003	3.0000e-005	1.1400e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.3000e-004	0.0000	2.1955	2.1955	8.0000e-005	0.0000	2.1976

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	13.00	5.00	5.00	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.588806	0.027737	0.198305	0.114471	0.022249	0.005748	0.012759	0.019721	0.002316	0.001163	0.004776	0.000758	0.001192

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	62.3482	62.3482	2.8200e-003	5.8000e-004	62.5924
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	62.3482	62.3482	2.8200e-003	5.8000e-004	62.5924
NaturalGas Mitigated	7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.6246	7.6246	1.5000e-004	1.4000e-004	7.6699
NaturalGas Unmitigated	7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.6246	7.6246	1.5000e-004	1.4000e-004	7.6699

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	142880	7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.6246	7.6246	1.5000e-004	1.4000e-004	7.6699
Total		7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.6246	7.6246	1.5000e-004	1.4000e-004	7.6699

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	142880	7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.6246	7.6246	1.5000e-004	1.4000e-004	7.6699
Total		7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.6246	7.6246	1.5000e-004	1.4000e-004	7.6699

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	214320	62.3482	2.8200e-003	5.8000e-004	62.5924
Total		62.3482	2.8200e-003	5.8000e-004	62.5924

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	214320	62.3482	2.8200e-003	5.8000e-004	62.5924
Total		62.3482	2.8200e-003	5.8000e-004	62.5924

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	27.9120	1.0900e-003	0.1202	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.2340	0.2340	6.1000e-004	0.0000	0.2493
Unmitigated	27.9120	1.0900e-003	0.1202	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.2340	0.2340	6.1000e-004	0.0000	0.2493

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	27.9009					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0111	1.0900e-003	0.1202	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.2340	0.2340	6.1000e-004	0.0000	0.2493
Total	27.9120	1.0900e-003	0.1202	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.2340	0.2340	6.1000e-004	0.0000	0.2493

Data retrieval failed for the subreport, 'subreport1', located at: subAreaDetail. Please check the log files for more information.

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7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Off-Highway Trucks	1	4.00	13	402	0.38	Diesel
Off-Highway Trucks	1	4.00	12	402	0.38	Diesel
Other General Industrial Equipment	1	8.00	2	400	0.34	Diesel

UnMitigated/Mitigated

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Off-Highway Trucks	3.1100e-003	0.0208	0.0203	8.0000e-005		7.5000e-004	7.5000e-004		6.9000e-004	6.9000e-004	0.0000	7.2595	7.2595	2.3500e-003	0.0000	7.3182
Other General Industrial Equipment	3.8000e-004	2.7700e-003	2.6600e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.0291	1.0291	3.3000e-004	0.0000	1.0374
Total	3.4900e-003	0.0236	0.0230	9.0000e-005		8.4000e-004	8.4000e-004		7.8000e-004	7.8000e-004	0.0000	8.2886	8.2886	2.6800e-003	0.0000	8.3556

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

MEMORANDUM

Date: February 22, 2021
To: California Public Utilities Commission (CPUC)
From: Pacific Gas and Electric Company (PG&E)
Subject: Estrella DEIR Comments Attachment 4 – Revised Helicopter Noise Analysis

HELICOPTER OPERATION ASSUMPTIONS

The following are revised assumptions for helicopter use during construction for the Estrella Substation and Paso Robles Area Reinforcement Project, which are based on assumptions provided to the CPUC for the Fulton-Fitch Mountain Reconductoring Project.

- One light/medium lift helicopters will be used to install new conductor on the new 70 kV power line segment and one heavy lift helicopter will be used to replace at most 10 poles along the bluff areas near South and North River Road on the reconductoring segment. Helicopters will not be used to replace conductor on the reconductoring segment. It is anticipated that construction of the reconductoring segment will occur before installation of the new 70 kV power line; therefore, the heavy lift helicopter and the light/medium lift helicopters will not operate at the same time.
 - The light/medium helicopter will be used to transport tools and most project materials weighing less than 5,000 pounds. The light/medium helicopter will be used to pull in the sock line that will be used to pull conductor. The light duty helicopter will be similar to the MD (McDonnell Douglas) 520N with the Notar System (no tail rotor) or Aerospatial SD-350.
 - The heavy lift helicopter will be used to transport the heaviest project materials weighing between 5,000 and 20,000 pounds, such as rock/gravel (if native soil is not adequate), soil (if soil cannot be spread along the pole line), new light-duty steel poles, and old poles. The heavy lift helicopters could also be used to remove old pole stubs from the ground. The heavy duty helicopter will be similar to the Sikorsky S92A or Sikorsky S70.

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- Construction in the new 70 kV power line segment will be focused between pull-and-tension sites (“pull spans”) in areas where driving along the power line is not possible (due to terrain, vineyards, etc.) until all poles and conductor are completely replaced along the section of the line. After construction is completed in each pull span, construction will transition to the next pull span and it is unlikely helicopters will return to the area for the remainder of construction. Construction will progress from west to east along the following pull spans:
 - **Pull Span 1:** Pole 96 to 101 (6 poles)
 - **Pull Span 2:** Pole 92 to 96 (5 poles)
 - **Pull Span 3:** Pole 71 to 92 (22 poles)
 - **Pull Span 10:** Pole 17 to 28 (12 poles)
 - **Pull Span 11:** Pole 11 to 17 (7 poles)
 - **Pull Span 12:** Pole 7 to 11 (4 poles)
- Helicopter operation in each pull span will be supported by the use of one or two landing zones, which will typically be the closest available locations on either end. Landing zones located between pull spans could be used to support helicopter activities in both pull spans.
- The planned landing zone south of State Route (SR-) 46 along the reconductoring segment is now occupied by a home. Therefore, a new landing zone / staging area has been identified west of North River Road approximately 0.2 mile north of Union Road to support pole replacement work south of SR-46. See Figure 1.

The following tables provide estimates for daily helicopter trips, as well as the duration of time helicopters will hover at poles and landing zones during each trip. **Table 1** lists the maximum daily helicopter trips and hovering times at poles and landing zones. **Table 2** lists the maximum daily helicopter operation based on the trips and hovering times listed in **Table 1**. **Table 3** summarizes the maximum daily helicopter operations that could occur at a single pole location / pull span.

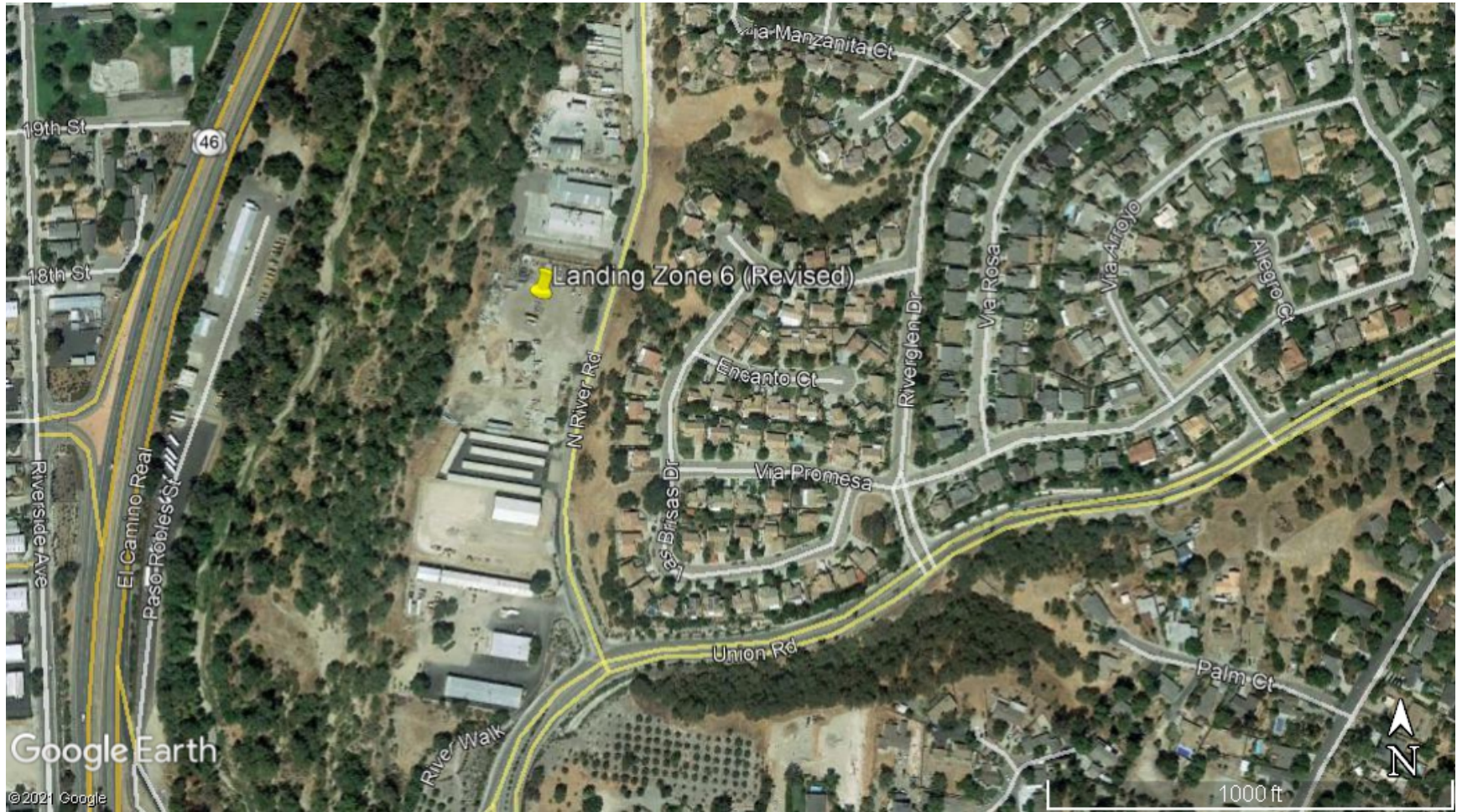


Figure 1: Landing Zone 6 (Revised)

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Table 1 Maximum Daily Helicopter Trips and Hovering Times

Construction Activity	Days/ Activity	Helicopter Size	Maximum Poles Accessed/Day	Trips/Pole or Pull Span			Total Trips/ Landing Zone ^a	Hovering Time/Trip (minutes)	
				Workers	Tools/Materials	Total		Pole	Landing Zone
Pole Installation/Transfer Distribution/Pole Removal (Reconductoring Segment)	5 ^b	Heavy	2 ^b	0	6 (LDSPs) ^c	6	14 ^d	1 ^e	2 ^f
Install Sock Line (New 70 kV Power Line)	6 ^g	Light/Medium	22 ^h	0	8 ⁱ	8	10 ⁱ	--	2 ^f

Notes:

- ^a Includes morning arrival and evening departure trip (one round trip for light/medium lift and one round trip for heavy lift each way), one round trip for fueling, and all pole/pull span trips per day.
- ^b Up to 10 LDSPs will require the use of a helicopter. One crew can install one LDSP per day, and two crews will be conducting the pole replacements, so two LDSPs will be installed per day; therefore, 5 days will be required to install all 10 LDSPs.
- ^c Each LDSP will require six total helicopter trips: one to deliver and set the new pole, one to deliver back-fill rock, one to remove unused soil that can't be spread in the area, two to remove the old pole pieces, and one to help raise the old conductor to the new arm position on the new poles.
- ^d Two LDSPs will be installed per day and each LDSP will require 6 trips; therefore, 12 round trips from the landing zone to the pole locations will be required per day. In addition, one round trip for morning arrival and evening departure and one round trip for fueling will be required, resulting in a total of 14 round trips from the landing zone per day.
- ^e The helicopter hover time at the pole site for each delivery or removal will be approximately 1 minute.
- ^f The hovering time at each landing zone will be approximately 2 minutes per trip.
- ^g Six pull spans will require the use of a helicopter, and one pull span will be completed per day; therefore, 6 days will be required to install sock lines along all six pull spans.
- ^h The longest span contains 22 poles; therefore, the maximum poles accessed in a day will be 22.
- ⁱ There will be a total of eight sock lines that need to be installed in each pull span: six sock lines for the conductors, one sock line for a common neutral conductor, and one sock line for an ADSS fiber cable. Each sock line will require one trip and one pull span will be completed per day; therefore, eight round trips from the landing zone to each pull span will be required per day. In addition, one round trip for morning arrival and evening departure and one round trip for fueling will be required, resulting in a total of 10 round trips from the landing zone per day.

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Table 2 Maximum Daily Helicopter Operation

Construction Activity	Days/ Activity	Helicopter Lift/Size	Single Pole / Pull Span		All Poles / Pull Spans		Landing Zones		Flight Paths (Traveling) ^a		Total Time Operating	
			Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours
Pole Installation/Transfer Distribution/Pole Removal (Reconductoring Segment)	5 ^b	Heavy	6 (LDSPs) ^c	0.1	12 ^d	0.2	28 ^e	0.5	112 ^f	1.9	152	2.5
Install Sock Line (New 70 kV Power Line)	6 ^g	Light/Medium	160 ^h	2.7	160 ^h	2.7	20 ⁱ	0.3	80 ^j	1.3	260	4.3

Notes:

- ^a Values for flight paths represent the period traveling from the landing zone to the pole or pull span, which is an average of 2 miles (one way). At an average speed of 30 miles per hour, approximately 8 minutes of flight time will be required per round trip.
- ^b Up to 10 LDSPs will require the use of a helicopter. One crew can install one LDSP per day, and two crews will be conducting the pole replacements, so two LDSPs will be installed per day; therefore, 5 days will be required to install all 10 LDSPs.
- ^c The helicopter hover time at each pole will be six trips per day with 1 minute per pole hover time for a total of 6 minutes.
- ^d Up to two poles will be installed per day with 6 minutes of hover time at each pole for a total 12 minutes of hover time per day.
- ^e Fourteen round trips per day (12 to the poles, one for morning arrival/evening departure and one for refueling) at 2 minutes of hover time per trip will result in approximately 28 minutes of hover time per day at the landing zone.
- ^f Fourteen round trips per day at 8 minutes per trip flight time will result in approximately 112 minutes of flight time per day.
- ^g Six pull spans will require the use of a helicopter, and one pull span will be completed per day; therefore, 6 days will be required to install sock lines along all six pull spans.
- ^h Each of the eight sock lines will take approximately 20 minutes to fly into the travelers connected to each pole, for each pull section, so this will take approximately 160 minutes per day.
- ⁱ There will be a total of eight sock lines that need to be installed in each pull span section, six sock lines for the conductors, one sock line for a common neutral conductor, and one sock line for an ADSS fiber cable. Ten round trips will be required per pull section (eight for the sock lines, one for morning arrival/evening departure, and one for refueling). Each round trip is assumed to require approximately 2 minutes of hover time at the landing zone for a total of 20 minutes per day.
- ^j Ten helicopter trips per pole with one pole span per day at 8 minutes per trip flight time will result in approximately 80 minutes of flight time per day.

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Table 3 Maximum Daily Helicopter Operation – Single Pole / Pull Span

Helicopter Lift/Size	Measurement Period	Pole / Pull Span		Landing Zone		Flight Path ^a	
		Minutes	Hours	Minutes	Hours	Minutes	Hours
Heavy	Entire Day	6 (LDSPs) ^b	0.1	16 ^c	0.3	64 ^d	1.1
	Single Hour	4 (LDSPs) ^e	0.1	8 ^e	0.1	32 ^e	0.5
Light/Medium	Entire Day	160 ^f	2.7	20 ^g	0.3	80 ^h	1.3
	Single Hour	40 ⁱ	0.7	4 ⁱ	0.1	16 ⁱ	0.3

Notes:

- ^a Values for flight path represent the period traveling from the landing zone to the pole or pull span, which is an average of 2 miles (one way). At an average speed of 30 miles per hour, approximately 8 minutes of flight time will be required per round trip.
- ^b The helicopter hover time at each pole will be six trips per day with 1 minute per pole hover time for a total of 6 minutes.
- ^c Each pole will require six trips per day, plus one trip for morning arrival/evening departure, and one trip for refueling, for a total of eight trips per pole per day. Landing zone hover time per trip is approximately 2 minutes; therefore, 16 minutes of hover time at the landing zone will be required.
- ^d Eight helicopter trips per pole at 8 minutes per trip flight time will result in approximately 64 minutes of flight time per day.
- ^e The most helicopter trips per hour will be 4 round trips during removal activities. This will equate to 4 minutes for pole hover time (4 trips at 1 minute per trip), 8 minutes for landing zone hovering time (4 trips at 2 minutes per trip), and 32 minutes for flight time (4 trips at 8 minutes per trip).
- ^f Each of the eight sock lines will take approximately 20 minutes to fly into the travelers connected to each pole, for each pull section, so this will take approximately 160 minutes per day.
- ^g Ten round trips will be required per pull section (eight for the sock lines, one for morning arrival/evening departure, and one for refueling). Each round trip is assumed to require approximately 2 minutes of hover time at the landing zone for a total of 20 minutes per day.
- ^h Ten helicopter trips per pole with one pole span per day at 8 minutes per trip flight time will result in approximately 80 minutes of flight time per day.
- ⁱ Two sock line pulls per hour is the maximum that will be accomplished. This equates to 40 minutes per hour for the flight time along the pull span (2 sock line pulls at 20 minutes per pull), 4 minutes of landing zone hover time (2 trips at 2 minutes per trip), and 16 minutes per hour for the flight time (2 trips at 8 minutes per trip).

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CONCLUSION

Based on these assumptions, SWCA Environmental Consultants has recalculated the helicopter noise levels. The noise levels for the heavy lift helicopter were calculated using the same methodology described in the Draft Environmental Impact Report (DEIR), as shown in Appendix A. The noise levels for the light/medium lift helicopter were calculated using FAA's AEDT Version 3c model, as shown in Appendix B.

Table 4 shows the estimated helicopter noise levels associated with construction of the Proposed Project in terms of the distance to the Federal Transit Administration's (FTA's) 90 A-weighted decibel (dBA) equivalent sound level metric normalized over a one-hour time period ($L_{eq(1hr)}$) threshold presented by the CPUC in the DEIR.¹

Table 4 Helicopter Noise Levels and Distance to Threshold

Helicopter Lift/Size	Helicopter Activity	Distance to 90 dBA $L_{eq(1hr)}$ (feet)
Heavy	Approaching landing zone or installation site	39.0 (Note 1)
	Hovering at the landing zone	76.4
	Cumulative - Landing Zone	85.4
	Hovering at pole installation site	69.9
	Ground level idling	7.5
	Level flight	857.8 (Note 2)
Light/Medium	All activities	(Note 3)

Notes:

No adjustments were made for lateral attenuation, source noise, or lateral directivity of the helicopters as adequate information was not readily available to make these adjustments.

¹ Approaching produced higher noise levels than departing, so departing noise levels is not shown.

² Appropriate hovering noise data is not readily available and is highly dependent on how close the helicopter is to the ground.

³ Light/medium helicopter activities are all below 90 dBA at all distances.

¹ FTA Transit Noise and Vibration Impact Assessment Manual, which contains guidelines for the evaluation of the significance of construction noise impacts, is for transit projects and should not be used to determine significance of the proposed utility project.

Appendix A: Heavy Lift Helicopter Noise

Heavy Lift Helicopter Noise

NPD Table for Sikorsky 70

Helicopter	NOISE_TYPE	OP_MODE	SIDE_TYPE	Distance (ft)									
				L_200	L_400	L_630	L_1000	L_2000	L_4000	L_6300	L_10000	L_16000	L_25000
S70	S	A	L	94.9	91.4	89	86.3	81.9	76.9	73.1	68.6	64.6	60.2
S70	S	A	C	97.6	94.3	92	89.7	85.8	81.4	78	74.1	70.5	66.7
S70	S	A	R	100	96.7	94.4	92	88.1	83.5	79.9	75.6	71.8	67.6
S70	S	D	L	91.3	87.5	84.7	81.7	76.6	70.8	66.6	61.9	57.5	52.9
S70	S	D	C	89.5	85.7	83.1	80.2	75.4	69.9	65.6	60.8	56.3	51.6
S70	S	D	R	92.1	88.4	85.8	82.9	78.2	72.8	68.8	64.1	59.9	55.3
S70	M	G	S	73.7	66.5	61.8	56.9	49.7	42.5	37.8	32.9	28.2	23.4
S70	M	I	S	90.8	83.6	78.9	74	66.8	59.6	54.9	50	45.3	40.5
S70	S	L	L	100.6	97.1	94.6	91.8	87.1	81.4	77	72	67.4	62.5
S70	S	L	C	98	94.4	91.9	89	84.2	78.4	73.9	68.7	64	58.9
S70	S	L	R	101	97.2	94.5	91.6	86.6	80.8	76.4	71.2	66.5	61.5

Maximum Daily Helicopter Operation - Single Hour

Flight Phase\ Area	Duration (minutes)			Acoustic Utilization Factor (%/hour)		
	Pole	Landing zone	Flight Path	Pole	Landing zone	Flight Path
Approaching	0	1	0	0.0	1.7	0.0
Departing	0	1	0	0.0	1.7	0.0
Ground Idling	0	1	0	0.0	1.7	0.0
Hover Above Ground	4	5	0	6.7	8.3	0.0
Level Flight	0	0	32	0.0	0.0	53.3
Total Duration	44			73.3		

NPD Adjusted for Acoustic Factor - Pole

Helicopter	NOISE_TYPE	OP_MODE	SIDE_TYPE	Distance (ft)									
				L_200	L_400	L_630	L_1000	L_2000	L_4000	L_6300	L_10000	L_16000	L_25000
S70	S	A	R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S70	S	D	R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S70	M	G	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S70	M	I	S	79.0	71.8	67.1	62.2	55.0	47.8	43.1	38.2	33.5	28.7
S70	S	L	L	0	0	0	0	0	0	0	0	0	0
Total Noise Level (1-hr LAeq) from pole or pull span				79.0	71.8	67.1	62.2	55.0	47.8	43.1	38.2	33.5	28.7

NPD Adjusted for Acoustic Factor - Landing Zone

Helicopter	NOISE_TYPE	OP_MODE	SIDE_TYPE	Distance (ft)									
				L_200	L_400	L_630	L_1000	L_2000	L_4000	L_6300	L_10000	L_16000	L_25000
S70	S	A	R	82.2	78.9	76.6	74.2	70.3	65.7	62.1	57.8	54.0	49.8
S70	S	D	R	74.3	70.6	68.0	65.1	60.4	55.0	51.0	46.3	42.1	37.5
S70	M	G	S	55.9	48.7	44.0	39.1	31.9	24.7	20.0	15.0	10.1	4.7
S70	M	I	S	80.0	72.8	68.1	63.2	56.0	48.8	44.1	39.2	34.5	29.7
S70	S	L	L	0	0	0	0	0	0	0	0	0	0
Total Noise Level (1-hr LAeq) from Landing Zone				84.7	80.4	77.7	75.0	70.9	66.2	62.5	58.2	54.3	50.1

NPD Adjusted for Acoustic Factor - Flight Path

Helicopter	NOISE_TYPE	OP_MODE	SIDE_TYPE	Distance (ft)									
				L_200	L_400	L_630	L_1000	L_2000	L_4000	L_6300	L_10000	L_16000	L_25000
S70	S	A	R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S70	S	D	R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S70	M	G	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S70	M	I	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S70	S	L	L	97.9	94.4	91.9	89.1	84.4	78.7	74.3	69.3	64.7	59.8
Total Noise Level (1-hr LAeq) from Flight Path				97.9	94.4	91.9	89.1	84.4	78.7	74.3	69.3	64.7	59.8

Helicopter Noise Levels and Distance to Threshold - Flight Path

Activity	L _{d1}	L _{d2}	d ₁	d ₂	d	L _d
	dBA	dBA	ft	ft	ft	dBA
Level Flight	91.9	89.1	630	1000	857.78	90.0

$$L_d = L_{d1} + \frac{(L_{d2} - L_{d1}) \times (\log_{10} d - \log_{10} d_1)}{(\log_{10} d_2 - \log_{10} d_1)}$$

Appendix B: Light/Medium Lift Helicopter Noise

Light/Medium Lift Helicopter Noise

Noise Result Index	Latitude (deg)	Longitude (deg)	Elevation (ft)	Noise Level (dB)	Metric Type	Metric Name	Receptor ID	Receptor Name	Receptor Set ID	Receptor Set Name
1	35.591058	-120.727217	838	1.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2	35.591061	-120.72313	838	2.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
3	35.591064	-120.719043	838	2.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
4	35.591067	-120.714956	838	3.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
5	35.59107	-120.710869	838	3.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
6	35.591073	-120.706781	838	4.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
7	35.591075	-120.702694	838	5.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
8	35.591078	-120.698607	838	5.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
9	35.59108	-120.69452	838	6.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
10	35.591083	-120.690433	838	7.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
11	35.591085	-120.686346	838	8.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
12	35.591087	-120.682259	838	9.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
13	35.591088	-120.678172	838	10.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
14	35.59109	-120.674085	838	11.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
15	35.591092	-120.669998	838	13.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
16	35.591093	-120.665911	838	15.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
17	35.591094	-120.661824	838	18.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
18	35.591095	-120.657736	838	20.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
19	35.591096	-120.653649	838	23.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
20	35.591097	-120.649562	838	27.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
21	35.591098	-120.645475	838	31.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
22	35.591098	-120.641388	838	35.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
23	35.591099	-120.637301	838	35.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
24	35.591099	-120.633214	838	31.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
25	35.591099	-120.629127	838	27.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
26	35.591099	-120.62504	838	23.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
27	35.591099	-120.620953	838	20.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
28	35.591099	-120.616866	838	18.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
29	35.591098	-120.612779	838	15.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
30	35.591098	-120.608691	838	14.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
31	35.591097	-120.604604	838	12.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
32	35.591096	-120.600517	838	11.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
33	35.591095	-120.59643	838	9.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
34	35.591094	-120.592343	838	8.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
35	35.591093	-120.588256	838	8.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
36	35.591092	-120.584169	838	7.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
37	35.59109	-120.580082	838	6.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
38	35.591088	-120.575995	838	5.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
39	35.591087	-120.571908	838	5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
40	35.591085	-120.567821	838	4.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
41	35.591083	-120.563734	838	3.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
42	35.59108	-120.559646	838	3.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
43	35.591078	-120.555559	838	2.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
44	35.591075	-120.551472	838	2.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
45	35.591073	-120.547385	838	1.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
46	35.59107	-120.543298	838	1.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
47	35.591067	-120.539211	838	0.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
48	35.591064	-120.535124	838	0.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
49	35.591061	-120.531037	838	-0.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
50	35.591058	-120.52695	838	-0.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
51	35.594396	-120.727221	838	1.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
52	35.594399	-120.723134	838	2.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
53	35.594402	-120.719047	838	2.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
54	35.594405	-120.714959	838	3.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
55	35.594408	-120.710872	838	3.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
56	35.594411	-120.706785	838	4.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
57	35.594414	-120.702698	838	5.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
58	35.594416	-120.69861	838	5.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
59	35.594419	-120.694523	838	6.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
60	35.594421	-120.690436	838	7.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
61	35.594423	-120.686349	838	8.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
62	35.594425	-120.682261	838	9.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
63	35.594427	-120.678174	838	10.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
64	35.594428	-120.674087	838	11.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
65	35.59443	-120.67	838	13.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
66	35.594431	-120.665912	838	15.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
67	35.594433	-120.661825	838	18.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
68	35.594434	-120.657738	838	20.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
69	35.594435	-120.65365	838	23.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
70	35.594436	-120.649563	838	27.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
71	35.594436	-120.645476	838	31.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
72	35.594437	-120.641389	838	35.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
73	35.594437	-120.637301	838	35.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

74	35.594437	-120.633214	838	31.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
75	35.594438	-120.629127	838	27.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
76	35.594438	-120.62504	838	23.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
77	35.594437	-120.620952	838	20.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
78	35.594437	-120.616865	838	18.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
79	35.594437	-120.612778	838	15.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
80	35.594436	-120.608691	838	14.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
81	35.594436	-120.604603	838	12.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
82	35.594435	-120.600516	838	11.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
83	35.594434	-120.596429	838	10.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
84	35.594433	-120.592342	838	9.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
85	35.594431	-120.588254	838	8.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
86	35.59443	-120.584167	838	7.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
87	35.594428	-120.58008	838	6.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
88	35.594427	-120.575993	838	5.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
89	35.594425	-120.571905	838	5.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
90	35.594423	-120.567818	838	4.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
91	35.594421	-120.563731	838	3.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
92	35.594419	-120.559644	838	3.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
93	35.594416	-120.555556	838	2.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
94	35.594414	-120.551469	838	2.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
95	35.594411	-120.547382	838	1.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
96	35.594408	-120.543295	838	1.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
97	35.594405	-120.539207	838	0.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
98	35.594402	-120.53512	838	0.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
99	35.594399	-120.531033	838	0	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
100	35.594396	-120.526946	838	-0.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
101	35.597734	-120.727225	838	1.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
102	35.597738	-120.723138	838	2.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
103	35.597741	-120.71905	838	2.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
104	35.597744	-120.714963	838	3.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
105	35.597747	-120.710876	838	4.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
106	35.59775	-120.706788	838	4.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
107	35.597752	-120.702701	838	5.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
108	35.597755	-120.698613	838	6.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
109	35.597757	-120.694526	838	6.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
110	35.597759	-120.690438	838	7.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
111	35.597761	-120.686351	838	8.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
112	35.597763	-120.682264	838	9.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
113	35.597765	-120.678176	838	10.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
114	35.597767	-120.674089	838	12.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
115	35.597768	-120.670001	838	13.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
116	35.59777	-120.665914	838	15.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
117	35.597771	-120.661826	838	18.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
118	35.597772	-120.657739	838	20.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
119	35.597773	-120.653652	838	23.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
120	35.597774	-120.649564	838	27.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
121	35.597775	-120.645477	838	31.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
122	35.597775	-120.641389	838	35.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
123	35.597776	-120.637302	838	35.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
124	35.597776	-120.633214	838	31.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
125	35.597776	-120.629127	838	27.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
126	35.597776	-120.62504	838	23.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
127	35.597776	-120.620952	838	20.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
128	35.597776	-120.616865	838	18.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
129	35.597775	-120.612777	838	16.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
130	35.597775	-120.60869	838	14.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
131	35.597774	-120.604602	838	12.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
132	35.597773	-120.600515	838	11.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
133	35.597772	-120.596428	838	10.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
134	35.597771	-120.59234	838	9.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
135	35.59777	-120.588253	838	8.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
136	35.597768	-120.584165	838	7.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
137	35.597767	-120.580078	838	6.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
138	35.597765	-120.575991	838	5.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
139	35.597763	-120.571903	838	5.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
140	35.597761	-120.567816	838	4.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
141	35.597759	-120.563728	838	4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
142	35.597757	-120.559641	838	3.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
143	35.597755	-120.555553	838	2.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
144	35.597752	-120.551466	838	2.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
145	35.59775	-120.547379	838	1.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
146	35.597747	-120.543291	838	1.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
147	35.597744	-120.539204	838	0.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
148	35.597741	-120.535116	838	0.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
149	35.597738	-120.531029	838	0.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
150	35.597734	-120.526941	838	-0.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

151	35.601073	-120.727229	838	2.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
152	35.601076	-120.723142	838	2.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
153	35.601079	-120.719054	838	3.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
154	35.601082	-120.714967	838	3.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
155	35.601085	-120.710879	838	4.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
156	35.601088	-120.706791	838	4.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
157	35.601091	-120.702704	838	5.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
158	35.601093	-120.698616	838	6.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
159	35.601095	-120.694529	838	7.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
160	35.601098	-120.690441	838	7.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
161	35.6011	-120.686353	838	8.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
162	35.601102	-120.682266	838	9.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
163	35.601103	-120.678178	838	10.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
164	35.601105	-120.674091	838	12.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
165	35.601107	-120.670003	838	13.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
166	35.601108	-120.665915	838	15.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
167	35.601109	-120.661828	838	18.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
168	35.60111	-120.65774	838	20.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
169	35.601111	-120.653653	838	23.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
170	35.601112	-120.649565	838	27.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
171	35.601113	-120.645478	838	31.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
172	35.601113	-120.64139	838	35.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
173	35.601114	-120.637302	838	35.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
174	35.601114	-120.633215	838	31.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
175	35.601114	-120.629127	838	27.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
176	35.601114	-120.62504	838	23.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
177	35.601114	-120.620952	838	20.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
178	35.601114	-120.616864	838	18.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
179	35.601113	-120.612777	838	16.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
180	35.601113	-120.608689	838	14.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
181	35.601112	-120.604602	838	12.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
182	35.601111	-120.600514	838	11.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
183	35.60111	-120.596426	838	10.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
184	35.601109	-120.592339	838	9.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
185	35.601108	-120.588251	838	8.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
186	35.601107	-120.584164	838	7.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
187	35.601105	-120.580076	838	6.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
188	35.601103	-120.575988	838	6.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
189	35.601102	-120.571901	838	5.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
190	35.6011	-120.567813	838	4.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
191	35.601098	-120.563726	838	4.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
192	35.601095	-120.559638	838	3.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
193	35.601093	-120.555555	838	3.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
194	35.601091	-120.551463	838	2.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
195	35.601088	-120.547375	838	1.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
196	35.601085	-120.543288	838	1.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
197	35.601082	-120.5392	838	1.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
198	35.601079	-120.535112	838	0.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
199	35.601076	-120.531025	838	0.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
200	35.601073	-120.526937	838	-0.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
201	35.604411	-120.727234	838	2.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
202	35.604414	-120.723146	838	2.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
203	35.604417	-120.719058	838	3.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
204	35.604421	-120.71497	838	3.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
205	35.604423	-120.710882	838	4.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
206	35.604426	-120.706795	838	5.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
207	35.604429	-120.702707	838	5.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
208	35.604431	-120.698619	838	6.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
209	35.604434	-120.694531	838	7.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
210	35.604436	-120.690444	838	8.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
211	35.604438	-120.686356	838	8.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
212	35.60444	-120.682268	838	9.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
213	35.604442	-120.67818	838	11.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
214	35.604443	-120.674093	838	12.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
215	35.604445	-120.670005	838	13.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
216	35.604446	-120.665917	838	15.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
217	35.604448	-120.661829	838	18.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
218	35.604449	-120.657742	838	20.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
219	35.60445	-120.653654	838	23.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
220	35.604451	-120.649566	838	27.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
221	35.604451	-120.645478	838	31.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
222	35.604452	-120.641391	838	35.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
223	35.604452	-120.637303	838	35.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
224	35.604453	-120.633215	838	31.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
225	35.604453	-120.629127	838	27.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
226	35.604453	-120.625039	838	23.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
227	35.604453	-120.620952	838	20.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

228	35.604452	-120.616864	838	18.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
229	35.604452	-120.612776	838	16.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
230	35.604451	-120.608688	838	14.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
231	35.604451	-120.604601	838	12.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
232	35.60445	-120.600513	838	11.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
233	35.604449	-120.596425	838	10.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
234	35.604448	-120.592337	838	9.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
235	35.604446	-120.58825	838	8.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
236	35.604445	-120.584162	838	7.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
237	35.604443	-120.580074	838	6.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
238	35.604442	-120.575986	838	6.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
239	35.60444	-120.571899	838	5.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
240	35.604438	-120.567811	838	4.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
241	35.604436	-120.563723	838	4.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
242	35.604434	-120.559635	838	3.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
243	35.604431	-120.555547	838	3.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
244	35.604429	-120.55146	838	2.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
245	35.604426	-120.547372	838	2.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
246	35.604423	-120.543284	838	1.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
247	35.604421	-120.539196	838	1.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
248	35.604417	-120.535109	838	0.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
249	35.604414	-120.531021	838	0.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
250	35.604411	-120.526933	838	-0.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
251	35.607749	-120.727238	838	2.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
252	35.607753	-120.72315	838	2.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
253	35.607756	-120.719062	838	3.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
254	35.607759	-120.714974	838	4.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
255	35.607762	-120.710886	838	4.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
256	35.607765	-120.706798	838	5.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
257	35.607767	-120.70271	838	5.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
258	35.60777	-120.698622	838	6.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
259	35.607772	-120.694534	838	7.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
260	35.607774	-120.690446	838	8.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
261	35.607776	-120.686358	838	9.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
262	35.607778	-120.68227	838	10.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
263	35.60778	-120.678183	838	11.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
264	35.607782	-120.674095	838	12.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
265	35.607783	-120.670007	838	14.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
266	35.607785	-120.665919	838	15.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
267	35.607786	-120.661831	838	18.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
268	35.607787	-120.657743	838	20.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
269	35.607788	-120.653655	838	23.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
270	35.607789	-120.649567	838	27.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
271	35.60779	-120.645479	838	31.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
272	35.60779	-120.641391	838	35.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
273	35.607791	-120.637303	838	35.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
274	35.607791	-120.633215	838	31.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
275	35.607791	-120.629127	838	27.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
276	35.607791	-120.625039	838	23.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
277	35.607791	-120.620951	838	20.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
278	35.607791	-120.616863	838	18.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
279	35.60779	-120.612776	838	16.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
280	35.60779	-120.608688	838	14.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
281	35.607789	-120.6046	838	12.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
282	35.607788	-120.600512	838	11.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
283	35.607787	-120.596424	838	10.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
284	35.607786	-120.592336	838	9.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
285	35.607785	-120.588248	838	8.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
286	35.607783	-120.58416	838	7.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
287	35.607782	-120.580072	838	7.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
288	35.60778	-120.575984	838	6.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
289	35.607778	-120.571896	838	5.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
290	35.607776	-120.567808	838	4.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
291	35.607774	-120.56372	838	4.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
292	35.607772	-120.559632	838	3.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
293	35.60777	-120.555544	838	3.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
294	35.607767	-120.551457	838	2.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
295	35.607765	-120.547369	838	2.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
296	35.607762	-120.543281	838	1.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
297	35.607759	-120.539193	838	1.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
298	35.607756	-120.535105	838	0.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
299	35.607753	-120.531017	838	0.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
300	35.607749	-120.526929	838	-0.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
301	35.611088	-120.727242	838	2.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
302	35.611091	-120.723154	838	3.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
303	35.611094	-120.719066	838	3.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
304	35.611097	-120.714978	838	4.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

305	35.6111	-120.710889	838	4.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
306	35.611103	-120.706801	838	5.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
307	35.611106	-120.702713	838	6.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
308	35.611108	-120.698625	838	6.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
309	35.61111	-120.694537	838	7.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
310	35.611113	-120.690449	838	8.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
311	35.611115	-120.686361	838	9.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
312	35.611117	-120.682273	838	10.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
313	35.611119	-120.678185	838	11.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
314	35.61112	-120.674097	838	12.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
315	35.611122	-120.670008	838	14.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
316	35.611123	-120.66592	838	16.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
317	35.611124	-120.661832	838	18.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
318	35.611125	-120.657744	838	20.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
319	35.611126	-120.653656	838	23.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
320	35.611127	-120.649568	838	27.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
321	35.611128	-120.64548	838	31.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
322	35.611129	-120.641392	838	35.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
323	35.611129	-120.637304	838	35.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
324	35.611129	-120.633215	838	31.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
325	35.611129	-120.629127	838	27.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
326	35.611129	-120.625039	838	23.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
327	35.611129	-120.620951	838	20.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
328	35.611129	-120.616863	838	18.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
329	35.611129	-120.612775	838	16.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
330	35.611128	-120.608687	838	14.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
331	35.611127	-120.604599	838	12.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
332	35.611126	-120.600511	838	11.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
333	35.611125	-120.596423	838	10.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
334	35.611124	-120.592334	838	9.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
335	35.611123	-120.588246	838	8.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
336	35.611122	-120.584158	838	7.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
337	35.61112	-120.58007	838	7.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
338	35.611119	-120.575982	838	6.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
339	35.611117	-120.571894	838	5.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
340	35.611115	-120.567806	838	5.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
341	35.611113	-120.563718	838	4.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
342	35.61111	-120.55963	838	3.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
343	35.611108	-120.555542	838	3.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
344	35.611106	-120.551453	838	2.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
345	35.611103	-120.547365	838	2.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
346	35.6111	-120.543277	838	1.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
347	35.611097	-120.539189	838	1.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
348	35.611094	-120.535101	838	0.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
349	35.611091	-120.531013	838	0.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
350	35.611088	-120.526925	838	-0.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
351	35.614426	-120.727246	838	2.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
352	35.614429	-120.723158	838	3.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
353	35.614433	-120.71907	838	3.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
354	35.614436	-120.714981	838	4.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
355	35.614439	-120.710893	838	5.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
356	35.614441	-120.706805	838	5.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
357	35.614444	-120.702716	838	6.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
358	35.614446	-120.698628	838	7.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
359	35.614449	-120.69454	838	7.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
360	35.614451	-120.690452	838	8.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
361	35.614453	-120.686363	838	9.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
362	35.614455	-120.682275	838	10.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
363	35.614457	-120.678187	838	11.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
364	35.614459	-120.674099	838	12.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
365	35.61446	-120.67001	838	14.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
366	35.614461	-120.665922	838	16.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
367	35.614463	-120.661834	838	18.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
368	35.614464	-120.657745	838	20.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
369	35.614465	-120.653657	838	23.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
370	35.614466	-120.649569	838	27.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
371	35.614466	-120.645481	838	31.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
372	35.614467	-120.641392	838	35.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
373	35.614467	-120.637304	838	35.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
374	35.614468	-120.633216	838	31.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
375	35.614468	-120.629127	838	27.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
376	35.614468	-120.625039	838	23.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
377	35.614468	-120.620951	838	21.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
378	35.614467	-120.616863	838	18.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
379	35.614467	-120.612774	838	16.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
380	35.614466	-120.608686	838	14.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
381	35.614466	-120.604598	838	13.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

382	35.614465	-120.60051	838	11.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
383	35.614464	-120.596421	838	10.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
384	35.614463	-120.592333	838	9.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
385	35.614461	-120.588245	838	8.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
386	35.61446	-120.584156	838	8.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
387	35.614459	-120.580068	838	7.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
388	35.614457	-120.57598	838	6.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
389	35.614455	-120.571892	838	5.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
390	35.614453	-120.567803	838	5.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
391	35.614451	-120.563715	838	4.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
392	35.614449	-120.559627	838	4.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
393	35.614446	-120.555539	838	3.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
394	35.614444	-120.55145	838	2.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
395	35.614441	-120.547362	838	2.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
396	35.614439	-120.543274	838	1.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
397	35.614436	-120.539185	838	1.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
398	35.614433	-120.535097	838	0.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
399	35.614429	-120.531009	838	0.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
400	35.614426	-120.526921	838	0.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
401	35.617764	-120.72725	838	2.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
402	35.617768	-120.723162	838	3.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
403	35.617771	-120.719073	838	4.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
404	35.617774	-120.714985	838	4.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
405	35.617777	-120.710896	838	5.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
406	35.61778	-120.706808	838	5.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
407	35.617782	-120.70272	838	6.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
408	35.617785	-120.698631	838	7.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
409	35.617787	-120.694543	838	8.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
410	35.617789	-120.690454	838	8.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
411	35.617791	-120.686366	838	9.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
412	35.617793	-120.682277	838	10.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
413	35.617795	-120.678189	838	11.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
414	35.617797	-120.6741	838	13.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
415	35.617798	-120.670012	838	14.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
416	35.6178	-120.665924	838	16.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
417	35.617801	-120.661835	838	18.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
418	35.617802	-120.657747	838	21.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
419	35.617803	-120.653658	838	23.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
420	35.617804	-120.64957	838	27.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
421	35.617805	-120.645481	838	31.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
422	35.617805	-120.641393	838	35.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
423	35.617806	-120.637304	838	35.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
424	35.617806	-120.633216	838	31.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
425	35.617806	-120.629128	838	27.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
426	35.617806	-120.625039	838	24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
427	35.617806	-120.620951	838	21.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
428	35.617806	-120.616862	838	18.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
429	35.617805	-120.612774	838	16.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
430	35.617805	-120.608685	838	14.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
431	35.617804	-120.604597	838	13.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
432	35.617803	-120.600508	838	12.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
433	35.617802	-120.59642	838	11.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
434	35.617801	-120.592332	838	10.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
435	35.6178	-120.588243	838	9.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
436	35.617798	-120.584155	838	8.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
437	35.617797	-120.580066	838	7.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
438	35.617795	-120.575978	838	6.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
439	35.617793	-120.571889	838	6.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
440	35.617791	-120.567801	838	5.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
441	35.617789	-120.563712	838	4.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
442	35.617787	-120.559624	838	4.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
443	35.617785	-120.555536	838	3.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
444	35.617782	-120.551447	838	2.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
445	35.61778	-120.547359	838	2.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
446	35.617777	-120.54327	838	1.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
447	35.617774	-120.539182	838	1.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
448	35.617771	-120.535093	838	0.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
449	35.617768	-120.531005	838	0.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
450	35.617764	-120.526916	838	0.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
451	35.621103	-120.727254	838	3.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
452	35.621106	-120.723166	838	3.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
453	35.621109	-120.719077	838	4.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
454	35.621112	-120.714989	838	4.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
455	35.621115	-120.7109	838	5.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
456	35.621118	-120.706811	838	6.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
457	35.621121	-120.702723	838	6.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
458	35.621123	-120.698634	838	7.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

459	35.621126	-120.694545	838	8.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
460	35.621128	-120.690457	838	9.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
461	35.62113	-120.686368	838	10.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
462	35.621132	-120.68228	838	11.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
463	35.621134	-120.678191	838	12.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
464	35.621135	-120.674102	838	13.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
465	35.621137	-120.670014	838	14.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
466	35.621138	-120.665925	838	16.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
467	35.621139	-120.661837	838	18.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
468	35.621141	-120.657748	838	21.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
469	35.621141	-120.653659	838	24.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
470	35.621142	-120.649571	838	27.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
471	35.621143	-120.645482	838	31.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
472	35.621144	-120.641393	838	35.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
473	35.621144	-120.637305	838	35.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
474	35.621144	-120.633216	838	31.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
475	35.621144	-120.629128	838	27.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
476	35.621144	-120.625039	838	24.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
477	35.621144	-120.62095	838	21.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
478	35.621144	-120.616862	838	18.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
479	35.621144	-120.612773	838	16.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
480	35.621143	-120.608685	838	14.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
481	35.621142	-120.604596	838	13.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
482	35.621141	-120.600507	838	12.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
483	35.621141	-120.596419	838	11.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
484	35.621139	-120.59233	838	10.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
485	35.621138	-120.588241	838	9.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
486	35.621137	-120.584153	838	8.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
487	35.621135	-120.580064	838	7.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
488	35.621134	-120.575976	838	6.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
489	35.621132	-120.571887	838	6.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
490	35.62113	-120.567798	838	5.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
491	35.621128	-120.56371	838	4.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
492	35.621126	-120.559621	838	4.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
493	35.621123	-120.555533	838	3.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
494	35.621121	-120.551444	838	3.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
495	35.621118	-120.547355	838	2.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
496	35.621115	-120.543267	838	2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
497	35.621112	-120.539178	838	1.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
498	35.621109	-120.53509	838	1.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
499	35.621106	-120.531001	838	0.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
500	35.621103	-120.526912	838	0.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
501	35.624441	-120.727259	838	3.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
502	35.624444	-120.72317	838	3.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
503	35.624448	-120.719081	838	4.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
504	35.624451	-120.714992	838	4.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
505	35.624454	-120.710903	838	5.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
506	35.624456	-120.706815	838	6.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
507	35.624459	-120.702726	838	7.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
508	35.624461	-120.698637	838	7.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
509	35.624464	-120.694548	838	8.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
510	35.624466	-120.69046	838	9.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
511	35.624468	-120.686371	838	10.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
512	35.62447	-120.682282	838	11.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
513	35.624472	-120.678193	838	12.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
514	35.624474	-120.674104	838	13.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
515	35.624475	-120.670016	838	15.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
516	35.624477	-120.665927	838	17.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
517	35.624478	-120.661838	838	19.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
518	35.624479	-120.657749	838	21.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
519	35.62448	-120.65366	838	24.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
520	35.624481	-120.649572	838	27.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
521	35.624481	-120.645483	838	31.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
522	35.624482	-120.641394	838	35.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
523	35.624482	-120.637305	838	35.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
524	35.624483	-120.633217	838	31.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
525	35.624483	-120.629128	838	27.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
526	35.624483	-120.625039	838	24.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
527	35.624483	-120.62095	838	21.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
528	35.624482	-120.616861	838	18.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
529	35.624482	-120.612773	838	16.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
530	35.624481	-120.608684	838	15.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
531	35.624481	-120.604595	838	13.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
532	35.62448	-120.600506	838	12.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
533	35.624479	-120.596417	838	11.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
534	35.624478	-120.592329	838	10.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
535	35.624477	-120.58824	838	9.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

536	35.624475	-120.584151	838	8.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
537	35.624474	-120.580062	838	7.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
538	35.624472	-120.575974	838	7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
539	35.62447	-120.571885	838	6.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
540	35.624468	-120.567796	838	5.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
541	35.624466	-120.563707	838	4.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
542	35.624464	-120.559618	838	4.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
543	35.624461	-120.55553	838	3.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
544	35.624459	-120.551441	838	3.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
545	35.624456	-120.547352	838	2.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
546	35.624454	-120.543263	838	2.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
547	35.624451	-120.539174	838	1.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
548	35.624448	-120.535086	838	1.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
549	35.624444	-120.530997	838	0.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
550	35.624441	-120.526908	838	0.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
551	35.627779	-120.727263	838	3.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
552	35.627783	-120.723174	838	3.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
553	35.627786	-120.719085	838	4.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
554	35.627789	-120.714996	838	5.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
555	35.627792	-120.710907	838	5.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
556	35.627795	-120.706818	838	6.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
557	35.627797	-120.702729	838	7.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
558	35.6278	-120.69864	838	8.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
559	35.627802	-120.694551	838	8.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
560	35.627804	-120.690462	838	9.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
561	35.627807	-120.686373	838	10.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
562	35.627808	-120.682284	838	11.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
563	35.62781	-120.678195	838	12.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
564	35.627812	-120.674106	838	14.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
565	35.627813	-120.670017	838	15.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
566	35.627815	-120.665928	838	17.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
567	35.627816	-120.661839	838	19.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
568	35.627817	-120.657751	838	22.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
569	35.627818	-120.653662	838	24.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
570	35.627819	-120.649573	838	27.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
571	35.62782	-120.645484	838	31.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
572	35.62782	-120.641395	838	35.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
573	35.627821	-120.637306	838	35.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
574	35.627821	-120.633217	838	31.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
575	35.627821	-120.629128	838	27.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
576	35.627821	-120.625039	838	24.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
577	35.627821	-120.62095	838	21.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
578	35.627821	-120.616861	838	19.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
579	35.62782	-120.612772	838	17.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
580	35.62782	-120.608683	838	15.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
581	35.627819	-120.604594	838	13.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
582	35.627818	-120.600505	838	12.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
583	35.627817	-120.596416	838	11.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
584	35.627816	-120.592327	838	10.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
585	35.627815	-120.588238	838	9.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
586	35.627813	-120.584149	838	8.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
587	35.627812	-120.58006	838	7.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
588	35.62781	-120.575971	838	7.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
589	35.627808	-120.571882	838	6.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
590	35.627807	-120.567793	838	5.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
591	35.627804	-120.563705	838	4.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
592	35.627802	-120.559616	838	4.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
593	35.6278	-120.555527	838	3.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
594	35.627797	-120.551438	838	3.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
595	35.627795	-120.547349	838	2.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
596	35.627792	-120.54326	838	2.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
597	35.627789	-120.539171	838	1.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
598	35.627786	-120.535082	838	1.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
599	35.627783	-120.530993	838	0.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
600	35.627779	-120.526904	838	0.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
601	35.631118	-120.727267	838	3.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
602	35.631121	-120.723178	838	4.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
603	35.631124	-120.719089	838	4.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
604	35.631127	-120.715	838	5.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
605	35.63113	-120.71091	838	5.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
606	35.631133	-120.706821	838	6.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
607	35.631136	-120.702732	838	7.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
608	35.631138	-120.698643	838	8.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
609	35.631141	-120.694554	838	9.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
610	35.631143	-120.690465	838	10.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
611	35.631145	-120.686376	838	10.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
612	35.631147	-120.682287	838	12.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

613	35.631149	-120.678197	838	13.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
614	35.63115	-120.674108	838	14.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
615	35.631152	-120.670019	838	16.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
616	35.631153	-120.66593	838	17.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
617	35.631154	-120.661841	838	20.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
618	35.631156	-120.657752	838	22.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
619	35.631157	-120.653663	838	25.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
620	35.631157	-120.649574	838	28.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
621	35.631158	-120.645484	838	32.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
622	35.631159	-120.641395	838	36.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
623	35.631159	-120.637306	838	36.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
624	35.631159	-120.633217	838	31.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
625	35.631159	-120.629128	838	27.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
626	35.631159	-120.625039	838	24.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
627	35.631159	-120.62095	838	21.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
628	35.631159	-120.616861	838	19.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
629	35.631159	-120.612771	838	17.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
630	35.631158	-120.608682	838	15.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
631	35.631157	-120.604593	838	13.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
632	35.631157	-120.600504	838	12.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
633	35.631156	-120.596415	838	11.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
634	35.631154	-120.592326	838	10.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
635	35.631153	-120.588237	838	9.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
636	35.631152	-120.584148	838	8.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
637	35.63115	-120.580058	838	7.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
638	35.631149	-120.575969	838	7.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
639	35.631147	-120.57188	838	6.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
640	35.631145	-120.567791	838	5.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
641	35.631143	-120.563702	838	5.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
642	35.631141	-120.559613	838	4.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
643	35.631138	-120.555524	838	3.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
644	35.631136	-120.551435	838	3.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
645	35.631133	-120.547345	838	2.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
646	35.63113	-120.543256	838	2.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
647	35.631127	-120.539167	838	1.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
648	35.631124	-120.535078	838	1.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
649	35.631121	-120.530989	838	0.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
650	35.631118	-120.5269	838	0.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
651	35.634456	-120.727271	838	3.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
652	35.634459	-120.723182	838	4.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
653	35.634463	-120.719092	838	4.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
654	35.634466	-120.715003	838	5.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
655	35.634469	-120.710914	838	6.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
656	35.634471	-120.706825	838	6.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
657	35.634474	-120.702735	838	7.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
658	35.634477	-120.698646	838	8.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
659	35.634479	-120.694557	838	9.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
660	35.634481	-120.690467	838	10.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
661	35.634483	-120.686378	838	11.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
662	35.634485	-120.682289	838	12.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
663	35.634487	-120.6782	838	13.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
664	35.634489	-120.67411	838	14.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
665	35.63449	-120.670021	838	16.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
666	35.634492	-120.665932	838	18.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
667	35.634493	-120.661842	838	20.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
668	35.634494	-120.657753	838	22.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
669	35.634495	-120.653664	838	25.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
670	35.634496	-120.649574	838	29.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
671	35.634496	-120.645485	838	33.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
672	35.634497	-120.641396	838	37.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
673	35.634497	-120.637307	838	36.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
674	35.634498	-120.633217	838	31.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
675	35.634498	-120.629128	838	27.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
676	35.634498	-120.625039	838	24.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
677	35.634498	-120.620949	838	21.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
678	35.634497	-120.61686	838	19.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
679	35.634497	-120.612771	838	17.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
680	35.634496	-120.608681	838	15.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
681	35.634496	-120.604592	838	14.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
682	35.634495	-120.600503	838	12.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
683	35.634494	-120.596414	838	11.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
684	35.634493	-120.592324	838	10.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
685	35.634492	-120.588235	838	9.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
686	35.63449	-120.584146	838	8.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
687	35.634489	-120.580056	838	8.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
688	35.634487	-120.575967	838	7.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
689	35.634485	-120.571878	838	6.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

690	35.634483	-120.567789	838	5.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
691	35.634481	-120.563699	838	5.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
692	35.634479	-120.55961	838	4.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
693	35.634477	-120.555521	838	3.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
694	35.634474	-120.551431	838	3.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
695	35.634471	-120.547342	838	2.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
696	35.634469	-120.543253	838	2.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
697	35.634466	-120.539163	838	1.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
698	35.634463	-120.535074	838	1.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
699	35.634459	-120.530985	838	0.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
700	35.634456	-120.526896	838	0.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
701	35.637794	-120.727275	838	3.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
702	35.637798	-120.723186	838	4.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
703	35.637801	-120.719096	838	4.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
704	35.637804	-120.715007	838	5.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
705	35.637807	-120.710917	838	6.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
706	35.63781	-120.706828	838	6.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
707	35.637812	-120.702738	838	7.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
708	35.637815	-120.698649	838	8.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
709	35.637817	-120.69456	838	9.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
710	35.637819	-120.69047	838	10.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
711	35.637822	-120.686381	838	11.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
712	35.637824	-120.682291	838	12.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
713	35.637825	-120.678202	838	13.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
714	35.637827	-120.674112	838	15.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
715	35.637829	-120.670023	838	16.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
716	35.63783	-120.665933	838	18.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
717	35.637831	-120.661844	838	20.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
718	35.637832	-120.657754	838	23.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
719	35.637833	-120.653665	838	26.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
720	35.637834	-120.649575	838	29.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
721	35.637835	-120.645486	838	33.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
722	35.637835	-120.641396	838	38.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
723	35.637836	-120.637307	838	35.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
724	35.637836	-120.633218	838	30.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
725	35.637836	-120.629128	838	27.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
726	35.637836	-120.625039	838	24.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
727	35.637836	-120.620949	838	21.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
728	35.637836	-120.61686	838	19.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
729	35.637835	-120.61277	838	17.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
730	35.637835	-120.608681	838	15.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
731	35.637834	-120.604591	838	14.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
732	35.637833	-120.600502	838	12.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
733	35.637832	-120.596412	838	11.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
734	35.637831	-120.592323	838	10.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
735	35.63783	-120.588233	838	9.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
736	35.637829	-120.584144	838	8.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
737	35.637827	-120.580054	838	8.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
738	35.637825	-120.575965	838	7.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
739	35.637824	-120.571876	838	6.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
740	35.637822	-120.567786	838	5.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
741	35.637819	-120.563697	838	5.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
742	35.637817	-120.559607	838	4.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
743	35.637815	-120.555518	838	3.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
744	35.637812	-120.551428	838	3.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
745	35.63781	-120.547339	838	2.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
746	35.637807	-120.543249	838	2.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
747	35.637804	-120.53916	838	1.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
748	35.637801	-120.53507	838	1.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
749	35.637798	-120.530981	838	0.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
750	35.637794	-120.526891	838	0.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
751	35.641133	-120.727279	838	3.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
752	35.641136	-120.72319	838	4.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
753	35.641139	-120.7191	838	4.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
754	35.641142	-120.71501	838	5.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
755	35.641145	-120.710921	838	6.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
756	35.641148	-120.706831	838	7.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
757	35.641151	-120.702742	838	7.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
758	35.641153	-120.698652	838	8.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
759	35.641156	-120.694562	838	9.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
760	35.641158	-120.690473	838	10.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
761	35.64116	-120.686383	838	11.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
762	35.641162	-120.682293	838	12.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
763	35.641164	-120.678204	838	14.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
764	35.641165	-120.674114	838	15.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
765	35.641167	-120.670025	838	17.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
766	35.641168	-120.665935	838	19.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

767	35.64117	-120.661845	838	21.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
768	35.641171	-120.657756	838	23.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
769	35.641172	-120.653666	838	27.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
770	35.641172	-120.649576	838	30.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
771	35.641173	-120.645487	838	34.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
772	35.641174	-120.641397	838	39.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
773	35.641174	-120.637307	838	36.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
774	35.641174	-120.633218	838	31.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
775	35.641175	-120.629128	838	27.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
776	35.641175	-120.625039	838	24.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
777	35.641174	-120.620949	838	21.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
778	35.641174	-120.616859	838	19.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
779	35.641174	-120.61277	838	17.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
780	35.641173	-120.60868	838	15.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
781	35.641172	-120.60459	838	14.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
782	35.641172	-120.600501	838	13.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
783	35.641171	-120.596411	838	11.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
784	35.64117	-120.592321	838	10.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
785	35.641168	-120.588232	838	9.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
786	35.641167	-120.584142	838	9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
787	35.641165	-120.580053	838	8.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
788	35.641164	-120.575963	838	7.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
789	35.641162	-120.571873	838	6.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
790	35.64116	-120.567784	838	5.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
791	35.641158	-120.563694	838	5.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
792	35.641156	-120.559604	838	4.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
793	35.641153	-120.555515	838	3.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
794	35.641151	-120.551425	838	3.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
795	35.641148	-120.547335	838	2.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
796	35.641145	-120.543246	838	2.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
797	35.641142	-120.539156	838	1.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
798	35.641139	-120.535067	838	1.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
799	35.641136	-120.530977	838	0.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
800	35.641133	-120.526887	838	0.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
801	35.644471	-120.727284	838	3.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
802	35.644475	-120.723194	838	4.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
803	35.644478	-120.719104	838	5.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
804	35.644481	-120.715014	838	5.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
805	35.644484	-120.710924	838	6.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
806	35.644486	-120.706835	838	7.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
807	35.644489	-120.702745	838	8.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
808	35.644492	-120.698655	838	8.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
809	35.644494	-120.694565	838	9.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
810	35.644496	-120.690475	838	10.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
811	35.644498	-120.686386	838	11.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
812	35.6445	-120.682296	838	13.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
813	35.644502	-120.678206	838	14.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
814	35.644504	-120.674116	838	15.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
815	35.644505	-120.670026	838	17.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
816	35.644507	-120.665937	838	19.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
817	35.644508	-120.661847	838	21.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
818	35.644509	-120.657757	838	24.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
819	35.64451	-120.653667	838	27.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
820	35.644511	-120.649577	838	31.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
821	35.644511	-120.645487	838	35.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
822	35.644512	-120.641398	838	40.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
823	35.644512	-120.637308	838	36.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
824	35.644513	-120.633218	838	32.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
825	35.644513	-120.629128	838	28.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
826	35.644513	-120.625038	838	24.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
827	35.644513	-120.620949	838	22.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
828	35.644512	-120.616859	838	19.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
829	35.644512	-120.612769	838	17.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
830	35.644511	-120.608679	838	15.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
831	35.644511	-120.604589	838	14.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
832	35.64451	-120.6005	838	13.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
833	35.644509	-120.59641	838	12.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
834	35.644508	-120.59232	838	10.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
835	35.644507	-120.58823	838	9.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
836	35.644505	-120.58414	838	9.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
837	35.644504	-120.580051	838	8.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
838	35.644502	-120.575961	838	7.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
839	35.6445	-120.571871	838	6.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
840	35.644498	-120.567781	838	5.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
841	35.644496	-120.563691	838	5.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
842	35.644494	-120.559602	838	4.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
843	35.644492	-120.555512	838	3.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

844	35.644489	-120.551422	838	3.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
845	35.644486	-120.547332	838	2.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
846	35.644484	-120.543242	838	2.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
847	35.644481	-120.539153	838	1.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
848	35.644478	-120.535063	838	1.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
849	35.644475	-120.530973	838	0.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
850	35.644471	-120.526883	838	0.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
851	35.64781	-120.727288	838	3.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
852	35.647813	-120.723198	838	4.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
853	35.647816	-120.719108	838	5.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
854	35.647819	-120.715018	838	5.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
855	35.647822	-120.710928	838	6.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
856	35.647825	-120.706838	838	7.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
857	35.647827	-120.702748	838	8.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
858	35.64783	-120.698658	838	9.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
859	35.647832	-120.694568	838	10.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
860	35.647835	-120.690478	838	11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
861	35.647837	-120.686388	838	12.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
862	35.647839	-120.682298	838	13.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
863	35.64784	-120.678208	838	14.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
864	35.647842	-120.674118	838	15.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
865	35.647844	-120.670028	838	17.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
866	35.647845	-120.665938	838	19.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
867	35.647846	-120.661848	838	22.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
868	35.647847	-120.657758	838	25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
869	35.647848	-120.653668	838	28.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
870	35.647849	-120.649578	838	31.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
871	35.64785	-120.645488	838	35.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
872	35.64785	-120.641398	838	40.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
873	35.647851	-120.637308	838	37.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
874	35.647851	-120.633218	838	32.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
875	35.647851	-120.629128	838	28.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
876	35.647851	-120.625038	838	25.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
877	35.647851	-120.620948	838	22.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
878	35.647851	-120.616858	838	20.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
879	35.64785	-120.612768	838	18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
880	35.64785	-120.608678	838	16.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
881	35.647849	-120.604588	838	14.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
882	35.647848	-120.600498	838	13.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
883	35.647847	-120.596409	838	12.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
884	35.647846	-120.592319	838	11.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
885	35.647845	-120.588229	838	10.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
886	35.647844	-120.584139	838	9.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
887	35.647842	-120.580049	838	8.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
888	35.64784	-120.575959	838	7.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
889	35.647839	-120.571869	838	6.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
890	35.647837	-120.567779	838	5.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
891	35.647835	-120.563689	838	5.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
892	35.647832	-120.559599	838	4.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
893	35.64783	-120.555509	838	3.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
894	35.647827	-120.551419	838	3.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
895	35.647825	-120.547329	838	2.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
896	35.647822	-120.543239	838	2.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
897	35.647819	-120.539149	838	1.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
898	35.647816	-120.535059	838	1.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
899	35.647813	-120.530969	838	0.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
900	35.64781	-120.526879	838	0.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
901	35.651148	-120.727292	838	3.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
902	35.651151	-120.723202	838	4.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
903	35.651154	-120.719112	838	5.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
904	35.651157	-120.715021	838	5.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
905	35.65116	-120.710931	838	6.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
906	35.651163	-120.706841	838	7.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
907	35.651166	-120.702751	838	8.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
908	35.651168	-120.698661	838	9.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
909	35.651171	-120.694571	838	10.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
910	35.651173	-120.690481	838	11.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
911	35.651175	-120.68639	838	12.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
912	35.651177	-120.6823	838	13.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
913	35.651179	-120.67821	838	14.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
914	35.65118	-120.67412	838	16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
915	35.651182	-120.67003	838	17.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
916	35.651183	-120.66594	838	19.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
917	35.651185	-120.66185	838	22.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
918	35.651186	-120.657759	838	25.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
919	35.651187	-120.653669	838	28.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
920	35.651187	-120.649579	838	31.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

921	35.651188	-120.645489	838	36.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
922	35.651189	-120.641399	838	41.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
923	35.651189	-120.637309	838	38.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
924	35.651189	-120.633219	838	33.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
925	35.65119	-120.629128	838	29.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
926	35.65119	-120.625038	838	25.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
927	35.651189	-120.620948	838	22.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
928	35.651189	-120.616858	838	20.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
929	35.651189	-120.612768	838	18.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
930	35.651188	-120.608678	838	16.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
931	35.651187	-120.604588	838	14.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
932	35.651187	-120.600497	838	13.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
933	35.651186	-120.596407	838	12.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
934	35.651185	-120.592317	838	11.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
935	35.651183	-120.588227	838	10.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
936	35.651182	-120.584137	838	9.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
937	35.65118	-120.580047	838	8.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
938	35.651179	-120.575956	838	7.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
939	35.651177	-120.571866	838	6.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
940	35.651175	-120.567776	838	5.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
941	35.651173	-120.563686	838	5.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
942	35.651171	-120.559596	838	4.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
943	35.651168	-120.555506	838	3.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
944	35.651166	-120.551416	838	3.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
945	35.651163	-120.547325	838	2.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
946	35.65116	-120.543235	838	2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
947	35.651157	-120.539145	838	1.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
948	35.651154	-120.535055	838	0.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
949	35.651151	-120.530965	838	0.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
950	35.651148	-120.526875	838	0.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
951	35.654486	-120.727296	838	3.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
952	35.65449	-120.723206	838	4.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
953	35.654493	-120.719115	838	5.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
954	35.654496	-120.715025	838	5.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
955	35.654499	-120.710935	838	6.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
956	35.654502	-120.706845	838	7.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
957	35.654504	-120.702754	838	8.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
958	35.654507	-120.698664	838	9.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
959	35.654509	-120.694574	838	10	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
960	35.654511	-120.690483	838	10.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
961	35.654513	-120.686393	838	12.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
962	35.654515	-120.682303	838	13.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
963	35.654517	-120.678212	838	14.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
964	35.654519	-120.674122	838	15.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
965	35.65452	-120.670032	838	17.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
966	35.654522	-120.665941	838	19.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
967	35.654523	-120.661851	838	22.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
968	35.654524	-120.657761	838	24.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
969	35.654525	-120.65367	838	28.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
970	35.654526	-120.64958	838	31.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
971	35.654527	-120.64549	838	36.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
972	35.654527	-120.641399	838	42.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
973	35.654528	-120.637309	838	38.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
974	35.654528	-120.633219	838	33.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
975	35.654528	-120.629128	838	28.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
976	35.654528	-120.625038	838	25.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
977	35.654528	-120.620948	838	22.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
978	35.654528	-120.616858	838	20.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
979	35.654527	-120.612767	838	17.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
980	35.654527	-120.608677	838	16.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
981	35.654526	-120.604587	838	14.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
982	35.654525	-120.600496	838	13.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
983	35.654524	-120.596406	838	12.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
984	35.654523	-120.592316	838	10.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
985	35.654522	-120.588225	838	9.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
986	35.65452	-120.584135	838	8.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
987	35.654519	-120.580045	838	8.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
988	35.654517	-120.575954	838	7.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
989	35.654515	-120.571864	838	6.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
990	35.654513	-120.567774	838	5.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
991	35.654511	-120.563683	838	4.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
992	35.654509	-120.559593	838	4.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
993	35.654507	-120.555503	838	3.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
994	35.654504	-120.551412	838	3.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
995	35.654502	-120.547322	838	2.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
996	35.654499	-120.543232	838	1.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
997	35.654496	-120.539142	838	1.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

998	35.654493	-120.535051	838	0.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
999	35.65449	-120.530961	838	0.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1000	35.654486	-120.526871	838	-0.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1001	35.657825	-120.7273	838	3.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1002	35.657828	-120.72321	838	4.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1003	35.657831	-120.719119	838	5.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1004	35.657834	-120.715029	838	5.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1005	35.657837	-120.710938	838	6.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1006	35.65784	-120.706848	838	7.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1007	35.657843	-120.702757	838	8.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1008	35.657845	-120.698667	838	8.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1009	35.657847	-120.694576	838	9.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1010	35.65785	-120.690486	838	10.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1011	35.657852	-120.686395	838	11.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1012	35.657854	-120.682305	838	13.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1013	35.657855	-120.678214	838	14.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1014	35.657857	-120.674124	838	15.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1015	35.657859	-120.670033	838	17.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1016	35.65786	-120.665943	838	19.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1017	35.657861	-120.661852	838	21.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1018	35.657862	-120.657762	838	24.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1019	35.657863	-120.653672	838	27.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1020	35.657864	-120.649581	838	31.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1021	35.657865	-120.645491	838	36.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1022	35.657865	-120.6414	838	42.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1023	35.657866	-120.63731	838	38.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1024	35.657866	-120.633219	838	33.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1025	35.657866	-120.629129	838	28.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1026	35.657866	-120.625038	838	25.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1027	35.657866	-120.620948	838	22.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1028	35.657866	-120.616857	838	19.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1029	35.657865	-120.612767	838	17.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1030	35.657865	-120.608676	838	15.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1031	35.657864	-120.604586	838	14.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1032	35.657863	-120.600495	838	13.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1033	35.657862	-120.596405	838	11.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1034	35.657861	-120.592314	838	10.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1035	35.65786	-120.588224	838	9.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1036	35.657859	-120.584133	838	8.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1037	35.657857	-120.580043	838	7.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1038	35.657855	-120.575952	838	7.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1039	35.657854	-120.571862	838	6.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1040	35.657852	-120.567771	838	5.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1041	35.65785	-120.563681	838	4.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1042	35.657847	-120.55959	838	4.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1043	35.657845	-120.5555	838	3.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1044	35.657843	-120.551409	838	2.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1045	35.65784	-120.547319	838	2.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1046	35.657837	-120.543228	838	1.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1047	35.657834	-120.539138	838	1.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1048	35.657831	-120.535047	838	0.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1049	35.657828	-120.530957	838	0.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1050	35.657825	-120.526866	838	-0.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1051	35.661163	-120.727304	838	3.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1052	35.661166	-120.723214	838	4.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1053	35.661169	-120.719123	838	5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1054	35.661173	-120.715032	838	5.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1055	35.661175	-120.710942	838	6.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1056	35.661178	-120.706851	838	7.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1057	35.661181	-120.702761	838	7.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1058	35.661183	-120.69867	838	8.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1059	35.661186	-120.694579	838	9.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1060	35.661188	-120.690489	838	10.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1061	35.66119	-120.686398	838	11.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1062	35.661192	-120.682307	838	12.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1063	35.661194	-120.678217	838	14.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1064	35.661195	-120.674126	838	15.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1065	35.661197	-120.670035	838	17.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1066	35.661198	-120.665945	838	19.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1067	35.6612	-120.661854	838	21.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1068	35.661201	-120.657763	838	24.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1069	35.661202	-120.653673	838	27.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1070	35.661203	-120.649582	838	31.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1071	35.661203	-120.645491	838	36.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1072	35.661204	-120.641401	838	43.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1073	35.661204	-120.63731	838	39.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1074	35.661205	-120.633219	838	33.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1075	35.661205	-120.629129	838	28.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1076	35.661205	-120.625038	838	24.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1077	35.661205	-120.620947	838	22.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1078	35.661204	-120.616857	838	19.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1079	35.661204	-120.612766	838	17.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1080	35.661203	-120.608675	838	15.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1081	35.661203	-120.604585	838	14.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1082	35.661202	-120.600494	838	12.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1083	35.661201	-120.596403	838	11.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1084	35.6612	-120.592313	838	10.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1085	35.661198	-120.588222	838	9.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1086	35.661197	-120.584131	838	8.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1087	35.661195	-120.580041	838	7.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1088	35.661194	-120.57595	838	6.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1089	35.661192	-120.571859	838	6.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1090	35.66119	-120.567769	838	5.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1091	35.661188	-120.563678	838	4.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1092	35.661186	-120.559587	838	4.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1093	35.661183	-120.555497	838	3.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1094	35.661181	-120.551406	838	2.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1095	35.661178	-120.547316	838	2.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1096	35.661175	-120.543225	838	1.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1097	35.661173	-120.539134	838	1.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1098	35.661169	-120.535044	838	0.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1099	35.661166	-120.530953	838	0.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1100	35.661163	-120.526862	838	-0.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1101	35.664501	-120.727309	838	3.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1102	35.664505	-120.723218	838	4.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1103	35.664508	-120.719127	838	4.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1104	35.664511	-120.715036	838	5.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1105	35.664514	-120.710945	838	6.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1106	35.664517	-120.706854	838	7.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1107	35.664519	-120.702764	838	7.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1108	35.664522	-120.698673	838	8.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1109	35.664524	-120.694582	838	9.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1110	35.664526	-120.690491	838	10.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1111	35.664528	-120.6864	838	11.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1112	35.66453	-120.68231	838	12.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1113	35.664532	-120.678219	838	13.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1114	35.664534	-120.674128	838	15.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1115	35.664535	-120.670037	838	16.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1116	35.664537	-120.665946	838	18.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1117	35.664538	-120.661855	838	21.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1118	35.664539	-120.657765	838	23.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1119	35.66454	-120.653674	838	26.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1120	35.664541	-120.649583	838	30.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1121	35.664542	-120.645492	838	36.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1122	35.664542	-120.641401	838	45.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1123	35.664543	-120.63731	838	40.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1124	35.664543	-120.63322	838	33.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1125	35.664543	-120.629129	838	28.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1126	35.664543	-120.625038	838	24.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1127	35.664543	-120.620947	838	21.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1128	35.664543	-120.616856	838	19.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1129	35.664542	-120.612765	838	17.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1130	35.664542	-120.608675	838	15.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1131	35.664541	-120.604584	838	13.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1132	35.66454	-120.600493	838	12.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1133	35.664539	-120.596402	838	11.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1134	35.664538	-120.592311	838	10.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1135	35.664537	-120.58822	838	9.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1136	35.664535	-120.58413	838	8.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1137	35.664534	-120.580039	838	7.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1138	35.664532	-120.575948	838	6.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1139	35.66453	-120.571857	838	6.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1140	35.664528	-120.567766	838	5.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1141	35.664526	-120.563675	838	4.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1142	35.664524	-120.559585	838	4.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1143	35.664522	-120.555494	838	3.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1144	35.664519	-120.551403	838	2.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1145	35.664517	-120.547312	838	2.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1146	35.664514	-120.543221	838	1.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1147	35.664511	-120.539131	838	1.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1148	35.664508	-120.53504	838	0.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1149	35.664505	-120.530949	838	0.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1150	35.664501	-120.526858	838	-0.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1151	35.66784	-120.727313	838	3.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1152	35.667843	-120.723222	838	4.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1153	35.667846	-120.719131	838	4.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1154	35.667849	-120.71504	838	5.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1155	35.667852	-120.710949	838	6.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1156	35.667855	-120.706858	838	6.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1157	35.667858	-120.702767	838	7.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1158	35.66786	-120.698676	838	8.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1159	35.667862	-120.694585	838	9.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1160	35.667865	-120.690494	838	10.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1161	35.667867	-120.686403	838	11.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1162	35.667869	-120.682312	838	12.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1163	35.667871	-120.678221	838	13.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1164	35.667872	-120.67413	838	15.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1165	35.667874	-120.670039	838	16.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1166	35.667875	-120.665948	838	18.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1167	35.667876	-120.661857	838	20.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1168	35.667877	-120.657766	838	23.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1169	35.667878	-120.653675	838	26.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1170	35.667879	-120.649584	838	29.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1171	35.66788	-120.645493	838	35.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1172	35.667881	-120.641402	838	48.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1173	35.667881	-120.637311	838	43.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1174	35.667881	-120.63322	838	32.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1175	35.667881	-120.629129	838	27.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1176	35.667881	-120.625038	838	24.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1177	35.667881	-120.620947	838	21.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1178	35.667881	-120.616856	838	19.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1179	35.667881	-120.612765	838	16.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1180	35.66788	-120.608674	838	15.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1181	35.667879	-120.604583	838	13.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1182	35.667878	-120.600492	838	12.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1183	35.667877	-120.596401	838	11.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1184	35.667876	-120.59231	838	10.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1185	35.667875	-120.588219	838	9.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1186	35.667874	-120.584128	838	8.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1187	35.667872	-120.580037	838	7.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1188	35.667871	-120.575946	838	6.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1189	35.667869	-120.571855	838	5.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1190	35.667867	-120.567764	838	5.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1191	35.667865	-120.563673	838	4.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1192	35.667862	-120.559582	838	3.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1193	35.66786	-120.555491	838	3.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1194	35.667858	-120.5514	838	2.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1195	35.667855	-120.547309	838	2.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1196	35.667852	-120.543218	838	1.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1197	35.667849	-120.539127	838	1.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1198	35.667846	-120.535036	838	0.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1199	35.667843	-120.530945	838	0.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1200	35.66784	-120.526854	838	-0.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1201	35.671178	-120.727317	838	3.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1202	35.671181	-120.723226	838	4.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1203	35.671185	-120.719135	838	4.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1204	35.671188	-120.715043	838	5.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1205	35.671191	-120.710952	838	6.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1206	35.671193	-120.706861	838	6.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1207	35.671196	-120.70277	838	7.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1208	35.671198	-120.698679	838	8.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1209	35.671201	-120.694588	838	9.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1210	35.671203	-120.690496	838	10.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1211	35.671205	-120.686405	838	11.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1212	35.671207	-120.682314	838	12.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1213	35.671209	-120.678223	838	13.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1214	35.671211	-120.674132	838	14.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1215	35.671212	-120.670041	838	16.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1216	35.671213	-120.665949	838	18.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1217	35.671215	-120.661858	838	20.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1218	35.671216	-120.657767	838	22.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1219	35.671217	-120.653676	838	25.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1220	35.671218	-120.649585	838	28.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1221	35.671218	-120.645494	838	34.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1222	35.671219	-120.641402	838	47.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1223	35.671219	-120.637311	838	41.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1224	35.67122	-120.63322	838	31.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1225	35.67122	-120.629129	838	26.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1226	35.67122	-120.625038	838	23.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1227	35.67122	-120.620947	838	20.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1228	35.671219	-120.616855	838	18.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1229	35.671219	-120.612764	838	16.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1230	35.671218	-120.608673	838	14.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1231	35.671218	-120.604582	838	13.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1232	35.671217	-120.600491	838	12.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1233	35.671216	-120.5964	838	11.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1234	35.671215	-120.592308	838	10.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1235	35.671213	-120.588217	838	9.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1236	35.671212	-120.584126	838	8.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1237	35.671211	-120.580035	838	7.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1238	35.671209	-120.575944	838	6.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1239	35.671207	-120.571853	838	5.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1240	35.671205	-120.567761	838	5.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1241	35.671203	-120.56367	838	4.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1242	35.671201	-120.559579	838	3.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1243	35.671198	-120.555488	838	3.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1244	35.671196	-120.551397	838	2.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1245	35.671193	-120.547306	838	2.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1246	35.671191	-120.543214	838	1.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1247	35.671188	-120.539123	838	1.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1248	35.671185	-120.535032	838	0.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1249	35.671181	-120.530941	838	0.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1250	35.671178	-120.52685	838	-0.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1251	35.674516	-120.727321	838	3.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1252	35.67452	-120.72323	838	4.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1253	35.674523	-120.719138	838	4.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1254	35.674526	-120.715047	838	5.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1255	35.674529	-120.710956	838	6.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1256	35.674532	-120.706864	838	6.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1257	35.674534	-120.702773	838	7.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1258	35.674537	-120.698682	838	8.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1259	35.674539	-120.69459	838	9.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1260	35.674541	-120.690499	838	10.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1261	35.674543	-120.686408	838	11.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1262	35.674545	-120.682316	838	12.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1263	35.674547	-120.678225	838	13.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1264	35.674549	-120.674134	838	14.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1265	35.67455	-120.670042	838	16.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1266	35.674552	-120.665951	838	18.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1267	35.674553	-120.66186	838	20.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1268	35.674554	-120.657768	838	22.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1269	35.674555	-120.653677	838	25.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1270	35.674556	-120.649586	838	28.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1271	35.674557	-120.645494	838	34.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1272	35.674557	-120.641403	838	44.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1273	35.674558	-120.637312	838	40.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1274	35.674558	-120.63322	838	32.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1275	35.674558	-120.629129	838	27.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1276	35.674558	-120.625038	838	23.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1277	35.674558	-120.620946	838	21.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1278	35.674558	-120.616855	838	18.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1279	35.674557	-120.612764	838	16.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1280	35.674557	-120.608672	838	14.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1281	35.674556	-120.604581	838	13.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1282	35.674555	-120.60049	838	12.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1283	35.674554	-120.596398	838	11.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1284	35.674553	-120.592307	838	10.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1285	35.674552	-120.588216	838	9.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1286	35.67455	-120.584124	838	8.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1287	35.674549	-120.580033	838	7.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1288	35.674547	-120.575942	838	6.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1289	35.674545	-120.57185	838	5.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1290	35.674543	-120.567759	838	5.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1291	35.674541	-120.563668	838	4.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1292	35.674539	-120.559576	838	3.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1293	35.674537	-120.555485	838	3.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1294	35.674534	-120.551394	838	2.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1295	35.674532	-120.547302	838	2.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1296	35.674529	-120.543211	838	1.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1297	35.674526	-120.53912	838	1.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1298	35.674523	-120.535028	838	0.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1299	35.67452	-120.530937	838	0.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1300	35.674516	-120.526846	838	-0.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1301	35.677855	-120.727325	838	3.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1302	35.677858	-120.723234	838	4.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1303	35.677861	-120.719142	838	4.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1304	35.677864	-120.715051	838	5.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1305	35.677867	-120.710959	838	6.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1306	35.67787	-120.706868	838	6.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1307	35.677873	-120.702776	838	7.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1308	35.677875	-120.698685	838	8.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1309	35.677877	-120.694593	838	9.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1310	35.67788	-120.690502	838	10.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1311	35.677882	-120.68641	838	11.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1312	35.677884	-120.682319	838	12.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1313	35.677886	-120.678227	838	13.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1314	35.677887	-120.674136	838	14.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1315	35.677889	-120.670044	838	16.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1316	35.67789	-120.665953	838	18.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1317	35.677891	-120.661861	838	20.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1318	35.677893	-120.65777	838	22.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1319	35.677893	-120.653678	838	25.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1320	35.677894	-120.649587	838	29.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1321	35.677895	-120.645495	838	35.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1322	35.677896	-120.641404	838	41.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1323	35.677896	-120.637312	838	40	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1324	35.677896	-120.633221	838	33.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1325	35.677896	-120.629129	838	28.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1326	35.677896	-120.625038	838	24.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1327	35.677896	-120.620946	838	21.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1328	35.677896	-120.616855	838	19.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1329	35.677896	-120.612763	838	16.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1330	35.677895	-120.608672	838	15.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1331	35.677894	-120.60458	838	13.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1332	35.677893	-120.600489	838	12.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1333	35.677893	-120.596397	838	11.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1334	35.677891	-120.592305	838	10.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1335	35.67789	-120.588214	838	9.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1336	35.677889	-120.584122	838	8.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1337	35.677887	-120.580031	838	7.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1338	35.677886	-120.575939	838	6.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1339	35.677884	-120.571848	838	5.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1340	35.677882	-120.567756	838	5.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1341	35.67788	-120.563665	838	4.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1342	35.677877	-120.559573	838	3.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1343	35.677875	-120.555482	838	3.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1344	35.677873	-120.55139	838	2.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1345	35.67787	-120.547299	838	2.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1346	35.677867	-120.543207	838	1.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1347	35.677864	-120.539116	838	1.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1348	35.677861	-120.535024	838	0.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1349	35.677858	-120.530933	838	0.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1350	35.677855	-120.526841	838	-0.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1351	35.681193	-120.727329	838	3.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1352	35.681196	-120.723238	838	4.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1353	35.6812	-120.719146	838	4.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1354	35.681203	-120.715054	838	5.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1355	35.681206	-120.710963	838	6.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1356	35.681208	-120.706871	838	6.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1357	35.681211	-120.702779	838	7.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1358	35.681213	-120.698688	838	8.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1359	35.681216	-120.694596	838	9.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1360	35.681218	-120.690504	838	10.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1361	35.68122	-120.686413	838	11.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1362	35.681222	-120.682321	838	12.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1363	35.681224	-120.678229	838	13.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1364	35.681226	-120.674138	838	14.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1365	35.681227	-120.670046	838	16.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1366	35.681228	-120.665954	838	18.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1367	35.68123	-120.661863	838	20.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1368	35.681231	-120.657771	838	22.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1369	35.681232	-120.653679	838	26.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1370	35.681233	-120.649588	838	30.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1371	35.681233	-120.645496	838	34.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1372	35.681234	-120.641404	838	38.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1373	35.681234	-120.637313	838	38.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1374	35.681235	-120.633221	838	33.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1375	35.681235	-120.629129	838	29.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1376	35.681235	-120.625037	838	25.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1377	35.681235	-120.620946	838	22.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1378	35.681234	-120.616854	838	19.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1379	35.681234	-120.612762	838	17.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1380	35.681233	-120.608671	838	15.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1381	35.681233	-120.604579	838	13.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1382	35.681232	-120.600487	838	12.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1383	35.681231	-120.596396	838	11.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1384	35.68123	-120.592304	838	10.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1385	35.681228	-120.588212	838	9.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1386	35.681227	-120.584121	838	8.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1387	35.681226	-120.580029	838	7.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1388	35.681224	-120.575937	838	6.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1389	35.681222	-120.571846	838	5.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1390	35.68122	-120.567754	838	5.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1391	35.681218	-120.563662	838	4.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1392	35.681216	-120.559571	838	3.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1393	35.681213	-120.555479	838	3.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1394	35.681211	-120.551387	838	2.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1395	35.681208	-120.547296	838	2.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1396	35.681206	-120.543204	838	1.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1397	35.681203	-120.539112	838	1.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1398	35.6812	-120.535021	838	0.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1399	35.681196	-120.530929	838	0.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1400	35.681193	-120.526837	838	-0.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1401	35.684531	-120.727334	838	3.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1402	35.684535	-120.723242	838	4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1403	35.684538	-120.71915	838	4.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1404	35.684541	-120.715058	838	5.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1405	35.684544	-120.710966	838	5.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1406	35.684547	-120.706874	838	6.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1407	35.684549	-120.702783	838	7.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1408	35.684552	-120.698691	838	8.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1409	35.684554	-120.694599	838	9.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1410	35.684556	-120.690507	838	9.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1411	35.684559	-120.686415	838	10.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1412	35.68456	-120.682323	838	11.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1413	35.684562	-120.678231	838	13.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1414	35.684564	-120.67414	838	14.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1415	35.684565	-120.670048	838	15.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1416	35.684567	-120.665956	838	17.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1417	35.684568	-120.661864	838	19.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1418	35.684569	-120.657772	838	22.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1419	35.68457	-120.65368	838	25.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1420	35.684571	-120.649589	838	29.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1421	35.684572	-120.645497	838	33.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1422	35.684572	-120.641405	838	37.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1423	35.684573	-120.637313	838	37.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1424	35.684573	-120.633221	838	32.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1425	35.684573	-120.629129	838	28.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1426	35.684573	-120.625037	838	24.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1427	35.684573	-120.620946	838	21.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1428	35.684573	-120.616854	838	19.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1429	35.684572	-120.612762	838	17.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1430	35.684572	-120.60867	838	15.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1431	35.684571	-120.604578	838	13.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1432	35.68457	-120.600486	838	12.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1433	35.684569	-120.596394	838	11.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1434	35.684568	-120.592303	838	10.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1435	35.684567	-120.588211	838	9.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1436	35.684565	-120.584119	838	8.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1437	35.684564	-120.580027	838	7.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1438	35.684562	-120.575935	838	6.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1439	35.68456	-120.571843	838	5.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1440	35.684559	-120.567751	838	5.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1441	35.684556	-120.56366	838	4.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1442	35.684554	-120.559568	838	3.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1443	35.684552	-120.555476	838	3.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1444	35.684549	-120.551384	838	2.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1445	35.684547	-120.547292	838	2.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1446	35.684544	-120.5432	838	1.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1447	35.684541	-120.539109	838	1.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1448	35.684538	-120.535017	838	0.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1449	35.684535	-120.530925	838	0.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1450	35.684531	-120.526833	838	-0.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1451	35.68787	-120.727338	838	3.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1452	35.687873	-120.723246	838	3.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1453	35.687876	-120.719154	838	4.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1454	35.687879	-120.715062	838	5.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1455	35.687882	-120.71097	838	5.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1456	35.687885	-120.706878	838	6.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1457	35.687888	-120.702786	838	7.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1458	35.68789	-120.698694	838	8.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1459	35.687893	-120.694602	838	8.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1460	35.687895	-120.69051	838	9.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1461	35.687897	-120.686418	838	10.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1462	35.687899	-120.682326	838	11.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1463	35.687901	-120.678234	838	12.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1464	35.687902	-120.674142	838	14.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1465	35.687904	-120.67005	838	15.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1466	35.687905	-120.665958	838	17.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1467	35.687906	-120.661866	838	19.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1468	35.687908	-120.657773	838	22.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1469	35.687909	-120.653681	838	25.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1470	35.687909	-120.649589	838	28.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1471	35.68791	-120.645497	838	32.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1472	35.687911	-120.641405	838	36.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1473	35.687911	-120.637313	838	36.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1474	35.687911	-120.633221	838	31.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1475	35.687911	-120.629129	838	27.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1476	35.687911	-120.625037	838	24.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1477	35.687911	-120.620945	838	21.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1478	35.687911	-120.616853	838	19.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1479	35.687911	-120.612761	838	16.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1480	35.68791	-120.608669	838	15.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1481	35.687909	-120.604577	838	13.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1482	35.687909	-120.600485	838	12.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1483	35.687908	-120.596393	838	11.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1484	35.687906	-120.592301	838	10.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1485	35.687905	-120.588209	838	9.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1486	35.687904	-120.584117	838	8.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1487	35.687902	-120.580025	838	7.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1488	35.687901	-120.575933	838	6.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1489	35.687899	-120.571841	838	5.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1490	35.687897	-120.567749	838	5.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1491	35.687895	-120.563657	838	4.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1492	35.687893	-120.559565	838	3.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1493	35.68789	-120.555473	838	3.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1494	35.687888	-120.551381	838	2.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1495	35.687885	-120.547289	838	2.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1496	35.687882	-120.543197	838	1.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1497	35.687879	-120.539105	838	1.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1498	35.687876	-120.535013	838	0.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1499	35.687873	-120.530921	838	0.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1500	35.68787	-120.526829	838	-0.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1501	35.691208	-120.727342	838	3.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1502	35.691211	-120.72325	838	3.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1503	35.691215	-120.719158	838	4.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1504	35.691218	-120.715065	838	5.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1505	35.691221	-120.710973	838	5.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1506	35.691223	-120.706881	838	6.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1507	35.691226	-120.702789	838	7.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1508	35.691229	-120.698697	838	7.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1509	35.691231	-120.694604	838	8.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1510	35.691233	-120.690512	838	9.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1511	35.691235	-120.68642	838	10.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1512	35.691237	-120.682328	838	11.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1513	35.691239	-120.678236	838	12.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1514	35.691241	-120.674144	838	13.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1515	35.691242	-120.670051	838	15.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1516	35.691244	-120.665959	838	17.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1517	35.691245	-120.661867	838	19.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1518	35.691246	-120.657775	838	21.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1519	35.691247	-120.653683	838	24.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1520	35.691248	-120.64959	838	28.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1521	35.691248	-120.645498	838	32.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1522	35.691249	-120.641406	838	36.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1523	35.691249	-120.637314	838	36.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1524	35.69125	-120.633222	838	32.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1525	35.69125	-120.629129	838	27.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1526	35.69125	-120.625037	838	24.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1527	35.69125	-120.620945	838	21.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1528	35.691249	-120.616853	838	19.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1529	35.691249	-120.612761	838	16.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1530	35.691248	-120.608668	838	15.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1531	35.691248	-120.604576	838	13.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1532	35.691247	-120.600484	838	12.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1533	35.691246	-120.596392	838	11.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1534	35.691245	-120.5923	838	10.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1535	35.691244	-120.588208	838	9.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1536	35.691242	-120.584115	838	8.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1537	35.691241	-120.580023	838	7.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1538	35.691239	-120.575931	838	6.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1539	35.691237	-120.571839	838	5.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1540	35.691235	-120.567747	838	5.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1541	35.691233	-120.563654	838	4.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1542	35.691231	-120.559562	838	3.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1543	35.691229	-120.55547	838	3.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1544	35.691226	-120.551378	838	2.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1545	35.691223	-120.547286	838	2.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1546	35.691221	-120.543193	838	1.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1547	35.691218	-120.539101	838	1.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1548	35.691215	-120.535009	838	0.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1549	35.691211	-120.530917	838	0.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1550	35.691208	-120.526825	838	-0.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1551	35.694546	-120.727346	838	3.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1552	35.69455	-120.723254	838	3.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1553	35.694553	-120.719161	838	4.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1554	35.694556	-120.715069	838	4.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1555	35.694559	-120.710977	838	5.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1556	35.694562	-120.706884	838	6.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1557	35.694564	-120.702792	838	6.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1558	35.694567	-120.6987	838	7.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1559	35.694569	-120.694607	838	8.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1560	35.694571	-120.690515	838	9.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1561	35.694574	-120.686423	838	10.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1562	35.694576	-120.68233	838	11.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1563	35.694577	-120.678238	838	12.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1564	35.694579	-120.674145	838	13.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1565	35.694581	-120.670053	838	15.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1566	35.694582	-120.665961	838	16.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1567	35.694583	-120.661868	838	19.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1568	35.694584	-120.657776	838	21.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1569	35.694585	-120.653684	838	24.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1570	35.694586	-120.649591	838	27.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1571	35.694587	-120.645499	838	31.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1572	35.694587	-120.641407	838	35.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1573	35.694588	-120.637314	838	35.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1574	35.694588	-120.633222	838	31.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1575	35.694588	-120.62913	838	27.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1576	35.694588	-120.625037	838	24.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1577	35.694588	-120.620945	838	21.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1578	35.694588	-120.616852	838	18.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1579	35.694587	-120.61276	838	16.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1580	35.694587	-120.608668	838	14.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1581	35.694586	-120.604575	838	13.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1582	35.694585	-120.600483	838	12.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1583	35.694584	-120.596391	838	11.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1584	35.694583	-120.592298	838	10.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1585	35.694582	-120.588206	838	9.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1586	35.694581	-120.584114	838	8.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1587	35.694579	-120.580021	838	7.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1588	35.694577	-120.575929	838	6.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1589	35.694576	-120.571836	838	5.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1590	35.694574	-120.567744	838	5.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1591	35.694571	-120.563652	838	4.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1592	35.694569	-120.559559	838	3.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1593	35.694567	-120.555467	838	3.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1594	35.694564	-120.551375	838	2.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1595	35.694562	-120.547282	838	2.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1596	35.694559	-120.54319	838	1.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1597	35.694556	-120.539098	838	1.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1598	35.694553	-120.535005	838	0.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1599	35.69455	-120.530913	838	0.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1600	35.694546	-120.52682	838	-0.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1601	35.697885	-120.72735	838	2.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1602	35.697888	-120.723258	838	3.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1603	35.697891	-120.719165	838	4.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1604	35.697894	-120.715073	838	4.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1605	35.697897	-120.71098	838	5.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1606	35.6979	-120.706888	838	6.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1607	35.697903	-120.702795	838	6.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1608	35.697905	-120.698703	838	7.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1609	35.697908	-120.69461	838	8.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1610	35.69791	-120.690518	838	9.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1611	35.697912	-120.686425	838	10.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1612	35.697914	-120.682333	838	11.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1613	35.697916	-120.67824	838	12.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1614	35.697917	-120.674147	838	13.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1615	35.697919	-120.670055	838	14.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1616	35.69792	-120.665962	838	16.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1617	35.697922	-120.66187	838	18.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1618	35.697923	-120.657777	838	21.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1619	35.697924	-120.653685	838	23.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1620	35.697924	-120.649592	838	27.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1621	35.697925	-120.6455	838	31.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1622	35.697926	-120.641407	838	35.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1623	35.697926	-120.637315	838	35.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1624	35.697926	-120.633222	838	31.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1625	35.697927	-120.62913	838	27.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1626	35.697927	-120.625037	838	24.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1627	35.697926	-120.620945	838	21.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1628	35.697926	-120.616852	838	18.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1629	35.697926	-120.612759	838	16.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1630	35.697925	-120.608667	838	14.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1631	35.697924	-120.604574	838	13.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1632	35.697924	-120.600482	838	12.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1633	35.697923	-120.596389	838	10.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1634	35.697922	-120.592297	838	9.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1635	35.69792	-120.588204	838	8.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1636	35.697919	-120.584112	838	8.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1637	35.697917	-120.580019	838	7.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1638	35.697916	-120.575927	838	6.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1639	35.697914	-120.571834	838	5.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1640	35.697912	-120.567742	838	4.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1641	35.69791	-120.563649	838	4.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1642	35.697908	-120.559557	838	3.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1643	35.697905	-120.555464	838	3.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1644	35.697903	-120.551371	838	2.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1645	35.6979	-120.547279	838	2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1646	35.697897	-120.543186	838	1.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1647	35.697894	-120.539094	838	0.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1648	35.697891	-120.535001	838	0.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1649	35.697888	-120.530909	838	0.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1650	35.697885	-120.526816	838	-0.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1651	35.701223	-120.727355	838	2.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1652	35.701226	-120.723262	838	3.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1653	35.70123	-120.719169	838	3.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1654	35.701233	-120.715076	838	4.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1655	35.701236	-120.710984	838	5.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1656	35.701238	-120.706891	838	5.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1657	35.701241	-120.702798	838	6.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1658	35.701244	-120.698706	838	7.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1659	35.701246	-120.694613	838	8.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1660	35.701248	-120.69052	838	8.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1661	35.70125	-120.686428	838	9.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1662	35.701252	-120.682335	838	10.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1663	35.701254	-120.678242	838	11.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1664	35.701256	-120.674149	838	13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1665	35.701257	-120.670057	838	14.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1666	35.701259	-120.665964	838	16.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1667	35.70126	-120.661871	838	18.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1668	35.701261	-120.657779	838	20.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1669	35.701262	-120.653686	838	23.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1670	35.701263	-120.649593	838	27.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1671	35.701263	-120.6455	838	31.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1672	35.701264	-120.641408	838	35.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1673	35.701264	-120.637315	838	35.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1674	35.701265	-120.633222	838	31.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1675	35.701265	-120.62913	838	27.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1676	35.701265	-120.625037	838	23.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1677	35.701265	-120.620944	838	20.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1678	35.701264	-120.616852	838	18.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1679	35.701264	-120.612759	838	16.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1680	35.701263	-120.608666	838	14.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1681	35.701263	-120.604573	838	13.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1682	35.701262	-120.600481	838	11.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1683	35.701261	-120.596388	838	10.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1684	35.70126	-120.592295	838	9.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1685	35.701259	-120.588203	838	8.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1686	35.701257	-120.58411	838	7.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1687	35.701256	-120.580017	838	7.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1688	35.701254	-120.575925	838	6.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1689	35.701252	-120.571832	838	5.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1690	35.70125	-120.567739	838	4.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1691	35.701248	-120.563646	838	4.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1692	35.701246	-120.559554	838	3.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1693	35.701244	-120.555461	838	3.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1694	35.701241	-120.551368	838	2.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1695	35.701238	-120.547276	838	1.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1696	35.701236	-120.543183	838	1.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1697	35.701233	-120.53909	838	0.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1698	35.70123	-120.534998	838	0.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1699	35.701226	-120.530905	838	0.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1700	35.701223	-120.526812	838	-0.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1701	35.704562	-120.727359	838	2.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1702	35.704565	-120.723266	838	3.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1703	35.704568	-120.719173	838	3.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1704	35.704571	-120.71508	838	4.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1705	35.704574	-120.710987	838	4.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1706	35.704577	-120.706894	838	5.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1707	35.704579	-120.702801	838	6.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1708	35.704582	-120.698709	838	7.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1709	35.704584	-120.694616	838	7.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1710	35.704587	-120.690523	838	8.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1711	35.704589	-120.68643	838	9.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1712	35.704591	-120.682337	838	10.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1713	35.704592	-120.678244	838	11.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1714	35.704594	-120.674151	838	12.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1715	35.704596	-120.670059	838	14.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1716	35.704597	-120.665966	838	16.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1717	35.704598	-120.661873	838	18.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1718	35.704599	-120.65778	838	20.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1719	35.7046	-120.653687	838	23.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1720	35.704601	-120.649594	838	27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1721	35.704602	-120.645501	838	31.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1722	35.704602	-120.641408	838	35.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1723	35.704603	-120.637316	838	35.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1724	35.704603	-120.633223	838	31.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1725	35.704603	-120.62913	838	27.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1726	35.704603	-120.625037	838	23.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1727	35.704603	-120.620944	838	20.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1728	35.704603	-120.616851	838	18.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1729	35.704602	-120.612758	838	16.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1730	35.704602	-120.608665	838	14.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1731	35.704601	-120.604573	838	12.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1732	35.7046	-120.60048	838	11.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1733	35.704599	-120.596387	838	10.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1734	35.704598	-120.592294	838	9.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1735	35.704597	-120.588201	838	8.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1736	35.704596	-120.584108	838	7.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1737	35.704594	-120.580015	838	6.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1738	35.704592	-120.575922	838	6.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1739	35.704591	-120.57183	838	5.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1740	35.704589	-120.567737	838	4.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1741	35.704587	-120.563644	838	4.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1742	35.704584	-120.559551	838	3.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1743	35.704582	-120.555458	838	2.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1744	35.704579	-120.551365	838	2.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1745	35.704577	-120.547272	838	1.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1746	35.704574	-120.543179	838	1.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1747	35.704571	-120.539087	838	0.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1748	35.704568	-120.534994	838	0.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1749	35.704565	-120.530901	838	-0.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1750	35.704562	-120.526808	838	-0.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1751	35.7079	-120.727363	838	2.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1752	35.707903	-120.72327	838	3.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1753	35.707906	-120.719177	838	3.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1754	35.707909	-120.715084	838	4.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1755	35.707912	-120.710991	838	4.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1756	35.707915	-120.706898	838	5.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1757	35.707918	-120.702805	838	6.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1758	35.70792	-120.698712	838	6.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1759	35.707923	-120.694619	838	7.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1760	35.707925	-120.690526	838	8.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1761	35.707927	-120.686432	838	9.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1762	35.707929	-120.682339	838	10.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1763	35.707931	-120.678246	838	11.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1764	35.707932	-120.674153	838	12.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1765	35.707934	-120.67006	838	13.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1766	35.707935	-120.665967	838	15.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1767	35.707937	-120.661874	838	18.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1768	35.707938	-120.657781	838	20.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1769	35.707939	-120.653688	838	23.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1770	35.707939	-120.649595	838	26.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1771	35.70794	-120.645502	838	31.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1772	35.707941	-120.641409	838	35.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1773	35.707941	-120.637316	838	35.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1774	35.707941	-120.633223	838	31.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1775	35.707942	-120.62913	838	27.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1776	35.707942	-120.625037	838	23.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1777	35.707941	-120.620944	838	20.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1778	35.707941	-120.616851	838	18.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1779	35.707941	-120.612758	838	16.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1780	35.70794	-120.608665	838	14.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1781	35.707939	-120.604572	838	12.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1782	35.707939	-120.600479	838	11.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1783	35.707938	-120.596385	838	10.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1784	35.707937	-120.592292	838	9.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1785	35.707935	-120.588199	838	8.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1786	35.707934	-120.584106	838	7.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1787	35.707932	-120.580013	838	6.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1788	35.707931	-120.57592	838	6.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1789	35.707929	-120.571827	838	5.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1790	35.707927	-120.567734	838	4.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1791	35.707925	-120.563641	838	4.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1792	35.707923	-120.559548	838	3.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1793	35.70792	-120.555455	838	2.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1794	35.707918	-120.551362	838	2.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1795	35.707915	-120.547269	838	1.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1796	35.707912	-120.543176	838	1.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1797	35.707909	-120.539083	838	0.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1798	35.707906	-120.53499	838	0.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1799	35.707903	-120.530897	838	-0.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1800	35.7079	-120.526804	838	-0.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1801	35.711238	-120.727367	838	2.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1802	35.711242	-120.723274	838	2.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1803	35.711245	-120.719181	838	3.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1804	35.711248	-120.715087	838	4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1805	35.711251	-120.710994	838	4.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1806	35.711254	-120.706901	838	5.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1807	35.711256	-120.702808	838	5.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1808	35.711259	-120.698715	838	6.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1809	35.711261	-120.694621	838	7.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1810	35.711263	-120.690528	838	8.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1811	35.711265	-120.686435	838	9.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1812	35.711267	-120.682342	838	9.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1813	35.711269	-120.678249	838	11.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1814	35.711271	-120.674155	838	12.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1815	35.711272	-120.670062	838	13.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1816	35.711274	-120.665969	838	15.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1817	35.711275	-120.661876	838	17.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1818	35.711276	-120.657782	838	20.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1819	35.711277	-120.653689	838	23.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1820	35.711278	-120.649596	838	26.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1821	35.711279	-120.645503	838	31.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1822	35.711279	-120.64141	838	35.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1823	35.71128	-120.637316	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1824	35.71128	-120.633223	838	31.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1825	35.71128	-120.62913	838	27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1826	35.71128	-120.625037	838	23.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1827	35.71128	-120.620944	838	20.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1828	35.71128	-120.61685	838	18.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1829	35.711279	-120.612757	838	15.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1830	35.711279	-120.608664	838	14.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1831	35.711278	-120.604571	838	12.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1832	35.711277	-120.600477	838	11.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1833	35.711276	-120.596384	838	10.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1834	35.711275	-120.592291	838	9.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1835	35.711274	-120.588198	838	8.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1836	35.711272	-120.584105	838	7.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1837	35.711271	-120.580011	838	6.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1838	35.711269	-120.575918	838	5.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1839	35.711267	-120.571825	838	5.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1840	35.711265	-120.567732	838	4.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1841	35.711263	-120.563639	838	3.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1842	35.711261	-120.559545	838	3.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1843	35.711259	-120.555452	838	2.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1844	35.711256	-120.551359	838	2.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1845	35.711254	-120.547266	838	1.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1846	35.711251	-120.543172	838	1.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1847	35.711248	-120.539079	838	0.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1848	35.711245	-120.534986	838	0.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1849	35.711242	-120.530893	838	-0.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1850	35.711238	-120.5268	838	-0.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1851	35.714577	-120.727371	838	2.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1852	35.71458	-120.723278	838	2.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1853	35.714583	-120.719184	838	3.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1854	35.714586	-120.715091	838	3.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1855	35.714589	-120.710998	838	4.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1856	35.714592	-120.706904	838	5.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1857	35.714595	-120.702811	838	5.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1858	35.714597	-120.698718	838	6.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1859	35.714599	-120.694624	838	7.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1860	35.714602	-120.690531	838	7.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1861	35.714604	-120.686437	838	8.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1862	35.714606	-120.682344	838	9.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1863	35.714607	-120.678251	838	10.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1864	35.714609	-120.674157	838	12.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1865	35.714611	-120.670064	838	13.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1866	35.714612	-120.66597	838	15.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1867	35.714613	-120.661877	838	17.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1868	35.714614	-120.657784	838	20.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1869	35.714615	-120.65369	838	23.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1870	35.714616	-120.649597	838	26.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1871	35.714617	-120.645504	838	31.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1872	35.714617	-120.64141	838	35.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1873	35.714618	-120.637317	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1874	35.714618	-120.633223	838	31.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1875	35.714618	-120.62913	838	26.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1876	35.714618	-120.625037	838	23.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1877	35.714618	-120.620943	838	20.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1878	35.714618	-120.61685	838	18.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1879	35.714617	-120.612756	838	15.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1880	35.714617	-120.608663	838	13.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1881	35.714616	-120.60457	838	12.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1882	35.714615	-120.600476	838	11.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1883	35.714614	-120.596383	838	10.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1884	35.714613	-120.59229	838	9.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1885	35.714612	-120.588196	838	8.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1886	35.714611	-120.584103	838	7.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1887	35.714609	-120.580009	838	6.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1888	35.714607	-120.575916	838	5.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1889	35.714606	-120.571823	838	5.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1890	35.714604	-120.567729	838	4.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1891	35.714602	-120.563636	838	3.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1892	35.714599	-120.559542	838	3.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1893	35.714597	-120.555449	838	2.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1894	35.714595	-120.551356	838	2.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1895	35.714592	-120.547262	838	1.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1896	35.714589	-120.543169	838	1.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1897	35.714586	-120.539076	838	0.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1898	35.714583	-120.534982	838	0.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1899	35.71458	-120.530889	838	-0.28	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1900	35.714577	-120.526795	838	-0.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1901	35.717915	-120.727375	838	2.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1902	35.717918	-120.723282	838	2.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1903	35.717921	-120.719188	838	3.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1904	35.717925	-120.715095	838	3.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1905	35.717927	-120.711001	838	4.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1906	35.71793	-120.706908	838	4.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1907	35.717933	-120.702814	838	5.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1908	35.717935	-120.698721	838	6.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1909	35.717938	-120.694627	838	6.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1910	35.71794	-120.690533	838	7.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1911	35.717942	-120.68644	838	8.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1912	35.717944	-120.682346	838	9.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1913	35.717946	-120.678253	838	10.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1914	35.717947	-120.674159	838	11.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1915	35.717949	-120.670066	838	13.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1916	35.71795	-120.665972	838	15.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1917	35.717952	-120.661879	838	17.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1918	35.717953	-120.657785	838	20.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1919	35.717954	-120.653691	838	23.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1920	35.717955	-120.649598	838	26.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1921	35.717955	-120.645504	838	31.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1922	35.717956	-120.641411	838	35.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1923	35.717956	-120.637317	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1924	35.717956	-120.633224	838	31.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1925	35.717957	-120.62913	838	26.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1926	35.717957	-120.625037	838	23.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1927	35.717956	-120.620943	838	20.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1928	35.717956	-120.616849	838	17.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1929	35.717956	-120.612756	838	15.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1930	35.717955	-120.608662	838	13.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1931	35.717955	-120.604569	838	12.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1932	35.717954	-120.600475	838	11.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1933	35.717953	-120.596382	838	9.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1934	35.717952	-120.592288	838	8.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1935	35.71795	-120.588195	838	8.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1936	35.717949	-120.584101	838	7.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1937	35.717947	-120.580007	838	6.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1938	35.717946	-120.575914	838	5.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1939	35.717944	-120.57182	838	4.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1940	35.717942	-120.567727	838	4.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1941	35.71794	-120.563633	838	3.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1942	35.717938	-120.55954	838	3.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1943	35.717935	-120.555446	838	2.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1944	35.717933	-120.551353	838	1.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1945	35.71793	-120.547259	838	1.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1946	35.717927	-120.543165	838	0.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1947	35.717925	-120.539072	838	0.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1948	35.717921	-120.534978	838	0.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1949	35.717918	-120.530885	838	-0.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1950	35.717915	-120.526791	838	-0.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1951	35.721253	-120.72738	838	1.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1952	35.721257	-120.723286	838	2.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1953	35.72126	-120.719192	838	2.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1954	35.721263	-120.715098	838	3.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1955	35.721266	-120.711005	838	4.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1956	35.721269	-120.706911	838	4.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1957	35.721271	-120.702817	838	5.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1958	35.721274	-120.698724	838	6.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1959	35.721276	-120.69463	838	6.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1960	35.721278	-120.690536	838	7.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1961	35.72128	-120.686442	838	8.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1962	35.721282	-120.682349	838	9.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1963	35.721284	-120.678255	838	10.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1964	35.721286	-120.674161	838	11.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1965	35.721287	-120.670067	838	13.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1966	35.721289	-120.665974	838	15.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1967	35.72129	-120.66188	838	17.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1968	35.721291	-120.657786	838	20.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1969	35.721292	-120.653693	838	23.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1970	35.721293	-120.649599	838	26.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1971	35.721294	-120.645505	838	31.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1972	35.721294	-120.641411	838	35.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1973	35.721295	-120.637318	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1974	35.721295	-120.633224	838	31.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1975	35.721295	-120.62913	838	26.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1976	35.721295	-120.625036	838	23.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1977	35.721295	-120.620943	838	20.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1978	35.721295	-120.616849	838	17.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1979	35.721294	-120.612755	838	15.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1980	35.721294	-120.608662	838	13.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1981	35.721293	-120.604568	838	12.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1982	35.721292	-120.600474	838	10.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1983	35.721291	-120.59638	838	9.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1984	35.72129	-120.592287	838	8.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1985	35.721289	-120.588193	838	7.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1986	35.721287	-120.584099	838	7.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1987	35.721286	-120.580005	838	6.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1988	35.721284	-120.575912	838	5.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1989	35.721282	-120.571818	838	4.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1990	35.72128	-120.567724	838	4.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1991	35.721278	-120.563631	838	3.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1992	35.721276	-120.559537	838	2.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1993	35.721274	-120.555443	838	2.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1994	35.721271	-120.551349	838	1.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1995	35.721269	-120.547256	838	1.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1996	35.721266	-120.543162	838	0.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1997	35.721263	-120.539068	838	0.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
1998	35.72126	-120.534975	838	-0.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

1999	35.721257	-120.530881	838	-0.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2000	35.721253	-120.526787	838	-0.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2001	35.724592	-120.727384	838	1.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2002	35.724595	-120.72329	838	2.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2003	35.724598	-120.719196	838	2.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2004	35.724601	-120.715102	838	3.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2005	35.724604	-120.711008	838	3.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2006	35.724607	-120.706914	838	4.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2007	35.72461	-120.70282	838	5.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2008	35.724612	-120.698727	838	5.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2009	35.724614	-120.694633	838	6.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2010	35.724617	-120.690539	838	7.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2011	35.724619	-120.686445	838	8.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2012	35.724621	-120.682351	838	9.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2013	35.724622	-120.678257	838	10.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2014	35.724624	-120.674163	838	11.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2015	35.724626	-120.670069	838	13.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2016	35.724627	-120.665975	838	15.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2017	35.724628	-120.661881	838	17.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2018	35.724629	-120.657788	838	20.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2019	35.72463	-120.653694	838	23.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2020	35.724631	-120.6496	838	26.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2021	35.724632	-120.645506	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2022	35.724632	-120.641412	838	35.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2023	35.724633	-120.637318	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2024	35.724633	-120.633224	838	31.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2025	35.724633	-120.62913	838	26.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2026	35.724633	-120.625036	838	23.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2027	35.724633	-120.620942	838	20.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2028	35.724633	-120.616849	838	17.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2029	35.724632	-120.612755	838	15.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2030	35.724632	-120.608661	838	13.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2031	35.724631	-120.604567	838	12.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2032	35.72463	-120.600473	838	10.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2033	35.724629	-120.596379	838	9.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2034	35.724628	-120.592285	838	8.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2035	35.724627	-120.588191	838	7.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2036	35.724626	-120.584097	838	6.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2037	35.724624	-120.580004	838	6.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2038	35.724622	-120.57591	838	5.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2039	35.724621	-120.571816	838	4.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2040	35.724619	-120.567722	838	3.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2041	35.724617	-120.563628	838	3.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2042	35.724614	-120.559534	838	2.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2043	35.724612	-120.55544	838	2.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2044	35.72461	-120.551346	838	1.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2045	35.724607	-120.547252	838	1.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2046	35.724604	-120.543158	838	0.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2047	35.724601	-120.539065	838	0.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2048	35.724598	-120.534971	838	-0.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2049	35.724595	-120.530877	838	-0.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2050	35.724592	-120.526783	838	-0.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2051	35.72793	-120.727388	838	1.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2052	35.727933	-120.723294	838	2.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2053	35.727937	-120.7192	838	2.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2054	35.72794	-120.715106	838	3.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2055	35.727942	-120.711012	838	3.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2056	35.727945	-120.706918	838	4.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2057	35.727948	-120.702824	838	4.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2058	35.72795	-120.69873	838	5.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2059	35.727953	-120.694635	838	6.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2060	35.727955	-120.690541	838	7.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2061	35.727957	-120.686447	838	8.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2062	35.727959	-120.682353	838	9.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2063	35.727961	-120.678259	838	10.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2064	35.727963	-120.674165	838	11.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2065	35.727964	-120.670071	838	13.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2066	35.727965	-120.665977	838	15.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2067	35.727967	-120.661883	838	17.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2068	35.727968	-120.657789	838	20.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2069	35.727969	-120.653695	838	23.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2070	35.72797	-120.649601	838	26.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2071	35.72797	-120.645507	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2072	35.727971	-120.641413	838	35.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2073	35.727971	-120.637319	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2074	35.727972	-120.633224	838	31.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2075	35.727972	-120.62913	838	26.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

2076	35.727972	-120.625036	838	23.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2077	35.727972	-120.620942	838	20.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2078	35.727971	-120.616848	838	17.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2079	35.727971	-120.612754	838	15.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2080	35.72797	-120.60866	838	13.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2081	35.72797	-120.604566	838	12.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2082	35.727969	-120.600472	838	10.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2083	35.727968	-120.596378	838	9.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2084	35.727967	-120.592284	838	8.6	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2085	35.727965	-120.58819	838	7.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2086	35.727964	-120.584096	838	6.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2087	35.727963	-120.580002	838	5.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2088	35.727961	-120.575907	838	5.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2089	35.727959	-120.571813	838	4.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2090	35.727957	-120.567719	838	3.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2091	35.727955	-120.563625	838	3.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2092	35.727953	-120.559531	838	2.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2093	35.72795	-120.555437	838	2.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2094	35.727948	-120.551343	838	1.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2095	35.727945	-120.547249	838	1.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2096	35.727942	-120.543155	838	0.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2097	35.72794	-120.539061	838	0.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2098	35.727937	-120.534967	838	-0.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2099	35.727933	-120.530873	838	-0.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2100	35.72793	-120.526779	838	-1.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2101	35.731268	-120.727392	838	1.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2102	35.731272	-120.723298	838	1.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2103	35.731275	-120.719204	838	2.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2104	35.731278	-120.715109	838	2.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2105	35.731281	-120.711015	838	3.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2106	35.731284	-120.706921	838	4.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2107	35.731286	-120.702827	838	4.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2108	35.731289	-120.698732	838	5.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2109	35.731291	-120.694638	838	6.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2110	35.731293	-120.690544	838	7.17	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2111	35.731295	-120.68645	838	8.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2112	35.731297	-120.682356	838	9.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2113	35.731299	-120.678261	838	10.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2114	35.731301	-120.674167	838	11.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2115	35.731302	-120.670073	838	13.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2116	35.731304	-120.665979	838	15.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2117	35.731305	-120.661884	838	17.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2118	35.731306	-120.65779	838	20.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2119	35.731307	-120.653696	838	23.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2120	35.731308	-120.649602	838	26.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2121	35.731309	-120.645507	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2122	35.731309	-120.641413	838	35.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2123	35.73131	-120.637319	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2124	35.73131	-120.633225	838	31.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2125	35.73131	-120.62913	838	26.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2126	35.73131	-120.625036	838	23.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2127	35.73131	-120.620942	838	20.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2128	35.73131	-120.616848	838	17.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2129	35.731309	-120.612753	838	15.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2130	35.731309	-120.608659	838	13.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2131	35.731308	-120.604565	838	12.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2132	35.731307	-120.600471	838	10.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2133	35.731306	-120.596377	838	9.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2134	35.731305	-120.592282	838	8.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2135	35.731304	-120.588188	838	7.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2136	35.731302	-120.584094	838	6.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2137	35.731301	-120.58	838	5.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2138	35.731299	-120.575905	838	5.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2139	35.731297	-120.571811	838	4.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2140	35.731295	-120.567717	838	3.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2141	35.731293	-120.563623	838	3.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2142	35.731291	-120.559528	838	2.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2143	35.731289	-120.555434	838	2.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2144	35.731286	-120.55134	838	1.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2145	35.731284	-120.547246	838	1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2146	35.731281	-120.543151	838	0.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2147	35.731278	-120.539057	838	0.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2148	35.731275	-120.534963	838	-0.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2149	35.731272	-120.530869	838	-0.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2150	35.731268	-120.526775	838	-1.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2151	35.734607	-120.727396	838	1.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2152	35.73461	-120.723302	838	1.75	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

2153	35.734613	-120.719208	838	2.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2154	35.734616	-120.715113	838	2.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2155	35.734619	-120.711019	838	3.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2156	35.734622	-120.706924	838	4.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2157	35.734625	-120.70283	838	4.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2158	35.734627	-120.698735	838	5.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2159	35.734629	-120.694641	838	6.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2160	35.734632	-120.690547	838	7.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2161	35.734634	-120.686452	838	7.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2162	35.734636	-120.682358	838	9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2163	35.734638	-120.678263	838	10.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2164	35.734639	-120.674169	838	11.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2165	35.734641	-120.670075	838	13.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2166	35.734642	-120.66598	838	15.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2167	35.734643	-120.661886	838	17.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2168	35.734644	-120.657791	838	20.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2169	35.734645	-120.653697	838	23.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2170	35.734646	-120.649603	838	26.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2171	35.734647	-120.645508	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2172	35.734648	-120.641414	838	35.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2173	35.734648	-120.637319	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2174	35.734648	-120.633225	838	31.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2175	35.734648	-120.629131	838	26.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2176	35.734648	-120.625036	838	23.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2177	35.734648	-120.620942	838	20.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2178	35.734648	-120.616847	838	17.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2179	35.734648	-120.612753	838	15.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2180	35.734647	-120.608658	838	13.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2181	35.734646	-120.604564	838	11.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2182	35.734645	-120.60047	838	10.65	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2183	35.734644	-120.596375	838	9.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2184	35.734643	-120.592281	838	8.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2185	35.734642	-120.588186	838	7.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2186	35.734641	-120.584092	838	6.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2187	35.734639	-120.579998	838	5.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2188	35.734638	-120.575903	838	5.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2189	35.734636	-120.571809	838	4.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2190	35.734634	-120.567714	838	3.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2191	35.734632	-120.56362	838	3.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2192	35.734629	-120.559526	838	2.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2193	35.734627	-120.555431	838	1.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2194	35.734625	-120.551337	838	1.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2195	35.734622	-120.547242	838	0.9	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2196	35.734619	-120.543148	838	0.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2197	35.734616	-120.539054	838	-0.02	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2198	35.734613	-120.534959	838	-0.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2199	35.73461	-120.530865	838	-0.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2200	35.734607	-120.52677	838	-1.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2201	35.737945	-120.7274	838	1.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2202	35.737948	-120.723306	838	1.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2203	35.737952	-120.719211	838	2.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2204	35.737955	-120.715117	838	2.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2205	35.737958	-120.711022	838	3.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2206	35.73796	-120.706928	838	3.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2207	35.737963	-120.702833	838	4.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2208	35.737965	-120.698738	838	5.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2209	35.737968	-120.694644	838	6.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2210	35.73797	-120.690549	838	6.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2211	35.737972	-120.686455	838	7.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2212	35.737974	-120.68236	838	8.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2213	35.737976	-120.678266	838	10.1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2214	35.737978	-120.674171	838	11.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2215	35.737979	-120.670076	838	13.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2216	35.73798	-120.665982	838	15.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2217	35.737982	-120.661887	838	17.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2218	35.737983	-120.657793	838	20.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2219	35.737984	-120.653698	838	23.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2220	35.737985	-120.649604	838	26.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2221	35.737985	-120.645509	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2222	35.737986	-120.641414	838	35.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2223	35.737986	-120.63732	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2224	35.737987	-120.633225	838	31.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2225	35.737987	-120.629131	838	26.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2226	35.737987	-120.625036	838	23.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2227	35.737987	-120.620941	838	20.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2228	35.737986	-120.616847	838	17.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2229	35.737986	-120.612752	838	15.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

2230	35.737985	-120.608658	838	13.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2231	35.737985	-120.604563	838	11.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2232	35.737984	-120.600469	838	10.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2233	35.737983	-120.596374	838	9.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2234	35.737982	-120.592279	838	8.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2235	35.73798	-120.588185	838	7.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2236	35.737979	-120.58409	838	6.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2237	35.737978	-120.579996	838	5.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2238	35.737976	-120.575901	838	4.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2239	35.737974	-120.571807	838	4.23	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2240	35.737972	-120.567712	838	3.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2241	35.73797	-120.563617	838	2.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2242	35.737968	-120.559523	838	2.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2243	35.737965	-120.555428	838	1.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2244	35.737963	-120.551334	838	1.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2245	35.73796	-120.547239	838	0.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2246	35.737958	-120.543144	838	0.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2247	35.737955	-120.53905	838	-0.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2248	35.737952	-120.534955	838	-0.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2249	35.737948	-120.530861	838	-0.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2250	35.737945	-120.526766	838	-1.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2251	35.741283	-120.727405	838	1	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2252	35.741287	-120.72331	838	1.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2253	35.74129	-120.719215	838	2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2254	35.741293	-120.71512	838	2.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2255	35.741296	-120.711026	838	3.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2256	35.741299	-120.706931	838	3.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2257	35.741301	-120.702836	838	4.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2258	35.741304	-120.698741	838	5.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2259	35.741306	-120.694647	838	6.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2260	35.741308	-120.690552	838	6.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2261	35.74131	-120.686457	838	7.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2262	35.741312	-120.682362	838	8.87	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2263	35.741314	-120.678268	838	10.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2264	35.741316	-120.674173	838	11.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2265	35.741317	-120.670078	838	13.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2266	35.741319	-120.665983	838	15.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2267	35.74132	-120.661889	838	17.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2268	35.741321	-120.657794	838	20.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2269	35.741322	-120.653699	838	23.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2270	35.741323	-120.649604	838	26.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2271	35.741324	-120.64551	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2272	35.741324	-120.641415	838	35.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2273	35.741325	-120.63732	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2274	35.741325	-120.633225	838	31.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2275	35.741325	-120.629131	838	26.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2276	35.741325	-120.625036	838	23.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2277	35.741325	-120.620941	838	20.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2278	35.741325	-120.616846	838	17.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2279	35.741324	-120.612752	838	15.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2280	35.741324	-120.608657	838	13.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2281	35.741323	-120.604562	838	11.91	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2282	35.741322	-120.600467	838	10.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2283	35.741321	-120.596373	838	9.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2284	35.74132	-120.592278	838	8.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2285	35.741319	-120.588183	838	7.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2286	35.741317	-120.584088	838	6.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2287	35.741316	-120.579994	838	5.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2288	35.741314	-120.575899	838	4.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2289	35.741312	-120.571804	838	4.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2290	35.74131	-120.567709	838	3.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2291	35.741308	-120.563615	838	2.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2292	35.741306	-120.55952	838	2.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2293	35.741304	-120.555425	838	1.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2294	35.741301	-120.55133	838	1.2	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2295	35.741299	-120.547236	838	0.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2296	35.741296	-120.543141	838	0.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2297	35.741293	-120.539046	838	-0.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2298	35.74129	-120.534951	838	-0.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2299	35.741287	-120.530857	838	-1.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2300	35.741283	-120.526762	838	-1.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2301	35.744622	-120.727409	838	0.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2302	35.744625	-120.723314	838	1.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2303	35.744628	-120.719219	838	1.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2304	35.744631	-120.715124	838	2.44	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2305	35.744634	-120.711029	838	3.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2306	35.744637	-120.706934	838	3.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

2307	35.74464	-120.702839	838	4.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2308	35.744642	-120.698744	838	5.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2309	35.744645	-120.69465	838	5.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2310	35.744647	-120.690555	838	6.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2311	35.744649	-120.68646	838	7.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2312	35.744651	-120.682365	838	8.82	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2313	35.744653	-120.67827	838	10.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2314	35.744654	-120.674175	838	11.36	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2315	35.744656	-120.67008	838	13.09	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2316	35.744657	-120.665985	838	15.14	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2317	35.744658	-120.66189	838	17.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2318	35.74466	-120.657795	838	20.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2319	35.744661	-120.6537	838	23.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2320	35.744661	-120.649605	838	26.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2321	35.744662	-120.64551	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2322	35.744663	-120.641416	838	35.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2323	35.744663	-120.637321	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2324	35.744663	-120.633226	838	31.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2325	35.744663	-120.629131	838	26.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2326	35.744663	-120.625036	838	23.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2327	35.744663	-120.620941	838	20.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2328	35.744663	-120.616846	838	17.79	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2329	35.744663	-120.612751	838	15.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2330	35.744662	-120.608656	838	13.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2331	35.744661	-120.604561	838	11.88	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2332	35.744661	-120.600466	838	10.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2333	35.74466	-120.596371	838	9.35	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2334	35.744658	-120.592277	838	8.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2335	35.744657	-120.588182	838	7.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2336	35.744656	-120.584087	838	6.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2337	35.744654	-120.579992	838	5.58	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2338	35.744653	-120.575897	838	4.8	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2339	35.744651	-120.571802	838	4.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2340	35.744649	-120.567707	838	3.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2341	35.744647	-120.563612	838	2.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2342	35.744645	-120.559517	838	2.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2343	35.744642	-120.555422	838	1.64	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2344	35.74464	-120.551327	838	1.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2345	35.744637	-120.547232	838	0.62	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2346	35.744634	-120.543137	838	0.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2347	35.744631	-120.539043	838	-0.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2348	35.744628	-120.534948	838	-0.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2349	35.744625	-120.530853	838	-1.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2350	35.744622	-120.526758	838	-1.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2351	35.74796	-120.727413	838	0.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2352	35.747963	-120.723318	838	1.26	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2353	35.747967	-120.719223	838	1.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2354	35.74797	-120.715128	838	2.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2355	35.747973	-120.711033	838	2.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2356	35.747975	-120.706938	838	3.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2357	35.747978	-120.702843	838	4.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2358	35.747981	-120.698747	838	5.05	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2359	35.747983	-120.694652	838	5.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2360	35.747985	-120.690557	838	6.76	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2361	35.747987	-120.686462	838	7.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2362	35.747989	-120.682367	838	8.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2363	35.747991	-120.678272	838	9.97	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2364	35.747993	-120.674177	838	11.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2365	35.747994	-120.670082	838	13.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2366	35.747996	-120.665987	838	15.13	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2367	35.747997	-120.661892	838	17.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2368	35.747998	-120.657797	838	20.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2369	35.747999	-120.653701	838	23.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2370	35.748	-120.649606	838	26.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2371	35.748	-120.645511	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2372	35.748001	-120.641416	838	35.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2373	35.748001	-120.637321	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2374	35.748002	-120.633226	838	31.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2375	35.748002	-120.629131	838	26.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2376	35.748002	-120.625036	838	23.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2377	35.748002	-120.620941	838	20.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2378	35.748001	-120.616846	838	17.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2379	35.748001	-120.612751	838	15.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2380	35.748	-120.608655	838	13.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2381	35.748	-120.60456	838	11.86	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2382	35.747999	-120.600465	838	10.51	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2383	35.747998	-120.59637	838	9.32	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

2384	35.747997	-120.592275	838	8.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2385	35.747996	-120.58818	838	7.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2386	35.747994	-120.584085	838	6.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2387	35.747993	-120.57999	838	5.52	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2388	35.747991	-120.575895	838	4.73	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2389	35.747989	-120.5718	838	4.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2390	35.747987	-120.567705	838	3.33	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2391	35.747985	-120.563609	838	2.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2392	35.747983	-120.559514	838	2.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2393	35.747981	-120.555419	838	1.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2394	35.747978	-120.551324	838	1.03	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2395	35.747975	-120.547229	838	0.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2396	35.747973	-120.543134	838	0.07	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2397	35.74797	-120.539039	838	-0.38	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2398	35.747967	-120.534944	838	-0.81	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2399	35.747963	-120.530849	838	-1.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2400	35.74796	-120.526754	838	-1.61	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2401	35.751298	-120.727417	838	0.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2402	35.751302	-120.723322	838	1.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2403	35.751305	-120.719227	838	1.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2404	35.751308	-120.715131	838	2.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2405	35.751311	-120.711036	838	2.85	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2406	35.751314	-120.706941	838	3.5	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2407	35.751316	-120.702846	838	4.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2408	35.751319	-120.69875	838	4.99	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2409	35.751321	-120.694655	838	5.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2410	35.751323	-120.69056	838	6.71	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2411	35.751326	-120.686465	838	7.67	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2412	35.751327	-120.682369	838	8.74	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2413	35.751329	-120.678274	838	9.94	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2414	35.751331	-120.674179	838	11.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2415	35.751332	-120.670084	838	13.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2416	35.751334	-120.665988	838	15.12	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2417	35.751335	-120.661893	838	17.55	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2418	35.751336	-120.657798	838	20.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2419	35.751337	-120.653703	838	23.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2420	35.751338	-120.649607	838	26.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2421	35.751339	-120.645512	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2422	35.751339	-120.641417	838	35.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2423	35.75134	-120.637321	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2424	35.75134	-120.633226	838	31.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2425	35.75134	-120.629131	838	26.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2426	35.75134	-120.625036	838	23.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2427	35.75134	-120.62094	838	20.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2428	35.75134	-120.616845	838	17.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2429	35.751339	-120.61275	838	15.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2430	35.751339	-120.608655	838	13.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2431	35.751338	-120.604559	838	11.84	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2432	35.751337	-120.600464	838	10.49	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2433	35.751336	-120.596369	838	9.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2434	35.751335	-120.592274	838	8.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2435	35.751334	-120.588178	838	7.25	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2436	35.751332	-120.584083	838	6.34	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2437	35.751331	-120.579988	838	5.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2438	35.751329	-120.575893	838	4.68	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2439	35.751327	-120.571797	838	3.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2440	35.751326	-120.567702	838	3.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2441	35.751323	-120.563607	838	2.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2442	35.751321	-120.559512	838	2.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2443	35.751319	-120.555416	838	1.48	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2444	35.751316	-120.551321	838	0.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2445	35.751314	-120.547226	838	0.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2446	35.751311	-120.54313	838	-0.01	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2447	35.751308	-120.539035	838	-0.46	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2448	35.751305	-120.53494	838	-0.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2449	35.751302	-120.530845	838	-1.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2450	35.751298	-120.526749	838	-1.69	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2451	35.754637	-120.727421	838	0.56	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2452	35.75464	-120.723326	838	1.06	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2453	35.754643	-120.719231	838	1.59	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2454	35.754646	-120.715135	838	2.16	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2455	35.754649	-120.71104	838	2.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2456	35.754652	-120.706944	838	3.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2457	35.754655	-120.702849	838	4.15	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2458	35.754657	-120.698753	838	4.93	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2459	35.75466	-120.694658	838	5.78	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2460	35.754662	-120.690563	838	6.66	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set

2461	35.754664	-120.686467	838	7.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2462	35.754666	-120.682372	838	8.7	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2463	35.754668	-120.678276	838	9.92	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2464	35.754669	-120.674181	838	11.29	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2465	35.754671	-120.670085	838	13.04	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2466	35.754672	-120.66599	838	15.11	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2467	35.754673	-120.661895	838	17.54	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2468	35.754675	-120.657799	838	20.18	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2469	35.754676	-120.653704	838	23.31	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2470	35.754676	-120.649608	838	26.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2471	35.754677	-120.645513	838	31.41	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2472	35.754678	-120.641417	838	35.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2473	35.754678	-120.637322	838	35.72	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2474	35.754678	-120.633226	838	31.24	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2475	35.754678	-120.629131	838	26.95	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2476	35.754678	-120.625036	838	23.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2477	35.754678	-120.62094	838	20.4	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2478	35.754678	-120.616845	838	17.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2479	35.754678	-120.612749	838	15.45	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2480	35.754677	-120.608654	838	13.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2481	35.754676	-120.604558	838	11.83	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2482	35.754676	-120.600463	838	10.47	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2483	35.754675	-120.596368	838	9.27	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2484	35.754673	-120.592272	838	8.19	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2485	35.754672	-120.588177	838	7.22	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2486	35.754671	-120.584081	838	6.3	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2487	35.754669	-120.579986	838	5.43	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2488	35.754668	-120.57589	838	4.63	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2489	35.754666	-120.571795	838	3.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2490	35.754664	-120.5677	838	3.21	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2491	35.754662	-120.563604	838	2.57	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2492	35.75466	-120.559509	838	1.98	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2493	35.754657	-120.555413	838	1.42	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2494	35.754655	-120.551318	838	0.89	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2495	35.754652	-120.547222	838	0.39	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2496	35.754649	-120.543127	838	-0.08	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2497	35.754646	-120.539032	838	-0.53	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2498	35.754643	-120.534936	838	-0.96	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2499	35.75464	-120.530841	838	-1.37	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set
2500	35.754637	-120.526745	838	-1.77	Exposure	LAEQ	1	50x50 grid	1	LTO 50x50 Receptor set