CALIFORNIA PUBLIC UTILITIES COMMISSION

LS POWER GRID CALIFORNIA's POWER THE SOUTH BAY PROJECT

Final Environmental Impact Report
Volume II - Appendices

November 2025, Revised December 2025



A.24-05-014
State Clearinghouse No. 2024071095

Prepared for:
California Public Utilities Commission

Prepared by:
Environmental Science Associates

ESA

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APPENDICES

The Appendices herein contain supporting information. These Appendices contain highly detailed figures and other graphic information, which are difficult to translate for screen reading software; therefore, most of the Appendices have not been translated into an auditory format. Only the following appendices have been translated into an auditory format:

- Appendix B, Scoping Report (main body of the report only)
- Appendix G, Final Mitigation Monitoring, Compliance, and Reporting Program

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Mr. Tommy Alexander
California Public Utilities Commission
Infrastructure Planning and CEQA, Energy Division
505 Van Ness Avenue
San Francisco, California 94102
Phone: 213-266-4748
E-mail: tommy.alexander@cpuc.ca.gov

Appendix A
Construction Equipment and Workforce Table

Appendix A: Construction Equipment and Workforce								
Work Activity				**Activity Production**				
Equipment Description	**Estimated Horsepower**	**Probable Fuel Type**	**Equipment Quantity**	**Estimated Workforce**	**Crews**	**Estimated Start Date**	**Estimated End Date**	**Duration of Use, Hrs /Day**
Transmission Line								
Underground Transmission Line								
Road Work, Site and Staging Preparation								
Truck - Water 4 K	300	Diesel	2	20	1	June 2026	September 2026	10
Loader - 4-5 Yd	275	Diesel	2					8
Truck - Dump 10-12 Yd	415	Diesel	6					5
Motor Grader	250	Diesel	1					8
Roller	405	Diesel	2					8
Pickup - 1/2 Ton	395	Gas	3					2
Pickup - 1 Ton	410	Diesel	3					2
Backhoe	70	Diesel	1					5
Discing Tractor and machine	640	Diesel	1					9
Skid Steer	74 3	Diesel	1					4
Pot Holing Machine (Hydro Vacuum Excavator)	525	Diesel	1					8
Excavating Scraper	407	Diesel	1					5
Generator ± 25 KZ	45	Diesel	2					10
Security Vehicle	158	Gas	1					24
Bulldozer (CAT D5 Equivalent)	170	Diesel	1					7
Survey / Potholing								
Pickup - 1/2 Ton	395	Gas	2	7	2	June 2026	February 2027	6
Pot Holing Machine (Hydro Vacuum Excavator)	525	Diesel	1					6
Vaults								
Pickup - 1/2 Ton	395	Gas	2	8	3	July 2026	January 2027	4
Pickup - 1 Ton	410	Diesel	1					6
Excavator	275	Diesel	1					6
Backhoe - 2;4	68	Diesel	1					6
Loader - 4-5Yd	275	Diesel	1					6
Compressor	100	NA	1					6
Tractor Trailer	500	Diesel	1					3
Mobile Crane	260	Diesel	2					2
Truck - Dump 10-12 Yd	415	Diesel	2					3
Truck - Water 4 K	300	Diesel	1					4

Updated Appendix 3-A: Construction Equipment and Workforce

Work Activity				Activity Production				
Equipment Description	Estimated Horsepower	Probable Fuel Type	Equipment Quantity	Estimated Workforce	Crews	Estimated Start Date	Estimated End Date	Duration of Use, Hrs /Day
Duct Bank and Restoration								
Pickup - 1/2 Ton	395	Gas	3	11	4	July 2026	September 2027	4
Pickup - 1 Ton	410	Diesel	2					6
Excavator	275	Diesel	1					6
Backhoe	68	Diesel	1					6
Loader	275	Diesel	1					6
Compressor	100	NA	1					6
Truck - Water 4 K	300	Diesel	1					6
Asphalt Paver	235	Diesel	1					2
Roller	405	Diesel	1					3
Truck - Dump 10-12 Yd	415	Diesel	2					4
Truck - Water 4 K	300	Diesel	1					4
Concrete Truck	430	Diesel	2					6
Underground Crossings								
HDD Machine	25	Diesel	1	7	2	August 2026	July 2027	6
Pickup - 1/2 Ton	395	Gas	3					
Pickup - 1 Ton	410	Diesel	2					
Excavator	275	Diesel	1					
Backhoe	68	Diesel	1					
Truck - Dump 10-12 Yd	415	Diesel	2					
Truck - Water 4 K	300	Diesel	1					
Jack and Bore Machine	67	Diesel	1	7	1	2ctober 2026	February 2027	6
Pickup - 1/2 Ton	395	Gas	3					
Pickup - 1 Ton	410	Diesel	2					
Excavator	275	Diesel	1					
Backhoe	68	Diesel	1					
Truck - Dump 10-12 Yd	415	Diesel	2					
Truck - Water 4 K	300	Diesel	1					
Cable Install								
Pickup - 1/2 Ton	395	Gas	1	8	2	August 2027	March 2028	4
Pickup - 1 Ton	410	Diesel	1					4
Wire Trailer/ Tensioner	70	NA	2					6
Wire Puller	82	Diesel	2					6
Cable Splicing Rig	300	Diesel	1					3

Updated Appendix 3-A: Construction Equipment and Workforce

Work Activity				Activity Production				
Equipment Description	**Estimated Horsepower**	**Probable Fuel Type**	**Equipment Quantity**	**Estimated Workforce**	**Crews**	**Estimated Start Date**	**Estimated End Date**	**Duration of Use, Hrs /Day**
Overhead Transmission Line								
Surveying								
Pickup - 1/2 Ton	395	Gas	2	3	1	June 2026	June 2026	
Clearing / ROW / Access								
Truck - Water 4 K	300	Diesel	2	18	2	June 2026	September 2026	10
Loader - 4-5 Yd	275	Diesel	1					8
Truck - Dump 10-12 Yd	415	Diesel	3					5
Motor Grader	250	Diesel	1					8
Pickup - 1/2 Ton	395	Gas	1					2
Pickup - 1 Ton	410	Diesel	1					2
Backhoe	70	Diesel	1					5
Skid Steer	74 3	Diesel	2					4
Pot Holing Machine (Hydro Vacuum Excavator)	525	Diesel	1					8
Excavating Scraper	407	Diesel	1					5
Foundation / Structures / Wire								
3/4 - Ton Truck, 4x4	275	Gas	3	25	1	June 2026	February 2027	3
Pickup - 1 Ton	410	Diesel	3					3
Boom/Crane Truck	367	Diesel	1					4
)lat Bed Pole Truck	400	Diesel	1					4
Truck - Water 4 K	300	Diesel	1					10
Backhoe/)rontloader	125	Diesel	2					4
Manlilt/Bucket Truck	250	Diesel	8					4
Compressor Trailer	60	Diesel	1					6
R/T Crane	367	Diesel	5					5
Jet A)uel Truck	300	Diesel	1					1
Helicopter Support Truck	300	Diesel	1					2
Light or Medium Duty Helicopter	NA	Jet A	1					3
Wire Trailer/ Tensioner	70	NA	2					6
Wire Puller	70	Gas	2					6
Drilling Rig	82	Diesel	2					6
Conductor Splicing Rig	300	Diesel	1					3
Truck - Dump 10-12 Yd	415	Diesel	2					3
Skid Steer	74 3	Diesel	2					4
Concrete Truck	430	Diesel	2					6

Updated Appendix 3-A: Construction Equipment and Workforce

Work Activity				Activity Production				
Equipment Description	Estimated Horsepower	Probable Fuel Type	Equipment Quantity	Estimated Workforce	Crews	Estimated Start Date	Estimated End Date	Duration of Use, Hrs /Day
Other								
Commissioning and Testing								
Pickup - 1/2 Ton	395	Gas	2	20	1	March 2028	June 2028	2
Pickup - 1 Ton	410	Diesel	2					2
Generator ± 25 KZ	45	Diesel	2					10
Manlilt - 40	49	Diesel	3					8
Tool - Van/Conex 20		NA	6					10
10 k Reach)orklilt	130	Diesel	1					5
15 k lb)orklilt	49	Diesel	1					5
PG&E Substation Upgrades and Connection								
Pickup - 1 Ton	410	Diesel	3	10	2	December 2026	February 2028	10
)orklilt - 10 K Reach	130	Diesel	1					10
Excavator - Mini	70	Diesel	1					5
Loader - 4-5 Yd	275	Diesel	1					5
Pressure Digger - Lo-Drill (Tracked)	125	Diesel	2					10
Welding Truck	395	Diesel	2					2
Concrete Truck	430	Diesel	2					6
SVP Substation Upgrades and Connection								
Pickup - 1 Ton	410	Diesel	3	10	2	September 2026	February 2028	10
)orklilt - 10 K Reach	130	Diesel	1					10
Excavator - Mini	70	Diesel	1					5
Loader - 4-5 Yd	275	Diesel	1					5
Pressure Digger - Lo-Drill (Tracked)	125	Diesel	2					10
Welding Truck	395	Diesel	2					2
Concrete Truck	430	Diesel	2					6

Appendix B
Scoping Report

CALIFORNIA PUBLIC UTILITIES COMMISSION

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Scoping Report

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SCOPING REPORT
Power the South Bay Project

1. Introduction

In its California Public Utilities Commission (CPUC) application (A.24-05-014), filed on May 17, 2024, LS Power Grid California (LSPGC) requests a Certificate of Public Convenience and Necessity (CPCN) for the Power the South Bay Project (Project). The CPUC is the lead agency for the purposes of the California Environmental Quality Act (CEQA) review. Based on its review of the application and the Proponent's Environmental Assessment (PEA), the CPUC is preparing an Environmental Impact Report (EIR) to evaluate the potential effects of the Project pursuant to CEQA.

The CPUC issued a Notice of Preparation (NOP) of an EIR for the Project on July 29, 2024, which initiated agency consultation regarding the scope and content of information to be analyzed in the EIR (a process called "scoping") and invited early public input about potential environmental concerns (Pub. Res. Code § 21080.4(a); CEQA Guidelines §§ 15082(b), 15083). CEQA Guidelines Section 15083 provides that a "Lead Agency may…consult directly with any person…it believes will be concerned with the environmental effects of the project." Section 15083(a) states that scoping can be "helpful to agencies in identifying the range of actions, alternatives, mitigation measures, and significant effects to be analyzed in depth in an EIR and in eliminating from detailed study issues found not to be important." Scoping is an effective way to bring together and consider the concerns of affected State, regional, and local agencies, the project proponent, and other interested persons (CEQA Guidelines § 15083(b)).

This scoping report provides an overview and summary of the written and oral comments provided by agencies and individuals during the 30-day scoping period, which commenced July 29, 2024, and closed on August 30, 2024. The CPUC will use this scoping report to inform the preparation of a comprehensive EIR which will consider agency and community concerns. Pursuant to CEQA Guidelines Section 15082, all public comments within the scope of CEQA will be considered in the EIR process.[1]

[1] Comments not within the scope of CEQA will not be addressed through the CEQA process.

2. Description of the Project

2.1 Project Summary

As proposed by LSPGC, the Power the South Bay Project (Project) would augment the reliability of the CAISO-controlled grid in the South Bay sub-area of the greater San Francisco Bay Area. This would be accomplished through the construction of two new high-voltage direct current (HVDC) terminals and associated new transmission lines which would connect the existing Pacific Gas and Electric Company (PG&E) Newark 230 kilovolt (kV) substation and the existing Silicon Valley Power (SVP) Northern Receiving Station (NRS) 230 kV substation. The two new HVDC terminals would include a new Albrae HVDC converter station terminal interconnected to the existing PG&E Newark substation, and a new Baylands HVDC converter station terminal connected to the existing SVP NRS substation. The primary function of the proposed HVDC terminals is to convert alternating current (AC) power to direct current (DC) power at the sending terminal and convert DC power back to AC power at the receiving terminal. The new transmission lines would extend approximately 12.5 miles and would be a combination of both overhead and underground lines. The Project would include all new facilities as well as modifications to the existing PG&E Newark and SVP NRS substations to accommodate interconnection, specifically to the new HVDC terminals via the new transmission lines.

2.2 Project Location

The Project would be located in the cities of Fremont, Milpitas, San José, and Santa Clara, and within the counties of Alameda and Santa Clara. The proposed Albrae terminal site would be located approximately 0.8 mile west of Interstate-880 and approximately 0.2 mile northeast of the existing PG&E Newark substation. The proposed Baylands terminal site would be located approximately 0.5 mile north of State Route 237, approximately 1.8 miles west of I-880, and approximately 1.8 miles northeast of the existing SVP NRS substation. A map that shows the location of the Project is presented in **Figure 2-1**, *Project Location*.

3. Scoping Process

3.1 Notification

On July 29, 2024, the CPUC published and distributed a Notice of Preparation (NOP) to solicit input from federal, state, and local agencies, and the public to inform the scope and content to be considered in the EIR being prepared for the Project. A copy of the NOP was provided to the State Clearinghouse of the Governor's Office of Planning and Research, which assigned State Clearinghouse Number 2024071095 as the Project's unique State identification number for the CEQA review. The Notice of Scoping Meetings and Release of the NOP was mailed to property owners within 300 feet of the Project routes and facility locations. The NOP was also mailed directly to responsible and trustee agencies and to individuals that had previously shown interest in the Project. The NOP provided a brief description of the Project, included a map showing the location of proposed components of the Project, identified potential areas of environmental impacts, and provided notice for two virtual public scoping meetings, which were held on



SOURCE: KP Environmental, 2024

CPUC Power the South Bay

Figure 2-1
Project Location

ESA

Thursday, August 15, 2024. **Appendix A**, *State Clearinghouse Documentation and Notice of Preparation Mailing List*, includes documentation of the State Clearinghouse submittal, and the mailing list of agencies and organizations that were directly mailed the NOP to street or electronic addresses, and **Appendix B**, *Notice of Scoping Meetings and Release of the Notice of Preparation and Notice of Preparation*, includes a copy of the Notice of Scoping Meetings and Release of Notice of Preparation of an Environmental Impact Report, and the NOP.

To announce the release of the NOP and provide details about the public scoping meetings, the CPUC published a legal notice in the *Mercury News* and the *East Bay Times*, each a daily periodical in general circulation in the Project vicinity. The legal notice was published on July 29, 2024, in both newspapers. Proof of the publication is provided in **Appendix C**, *Newspaper Notices and County Clerk Postings*. The meeting announcement and an electronic copy of the NOP were also posted on the CPUC's webpage established for the Project at: https://ia.cpuc.ca.gov/environment/info/esa/psb/index.html.

The NOP was posted in six libraries in the Project vicinity during the 32-day scoping period. It was posted between July 29, 2024, to August 30, 2024, at Newark Library, Milpitas Library, Alviso Branch Library (San José), Northside Branch Library (Santa Clara), Joyce Ellington Branch Library (San José), and Fremont Main Library.

Pursuant to CEQA Guidelines 15082, the NOP was also sent to the Alameda and Santa Clara county clerks. Proof of the delivery to the Alameda and Santa Clara County clerks is provided in Appendix C.

3.2 Opportunities for Comment

3.2.1 Public Workshops and Scoping Meetings

The CPUC conducted two virtual scoping meetings on August 15, 2024. The meetings were held from 2:30 to 4:00 p.m. and from 6:30 to 8:00 p.m. Fifteen (15) people attended the afternoon meeting, and five (5) attended the evening meeting. Tommy Alexander of the CPUC, as well as Mike Manka, Dave Davis, Steven Johnson, and Vince Molina of Environmental Science Associates (ESA), consultant to the CPUC, hosted the meetings. Spanish translation services were also provided at these meetings.

During the meetings, the CPUC summarized the lead agency's decision and environmental review process and noted the opportunities for public participation within the CEQA process. A brief description of the Project identified by LSPGC in its PEA was presented, and the range of environmental issue areas to be addressed in the EIR was discussed. The types of alternatives that can be considered in the EIR and the next steps in the environmental review process were also addressed at the scoping meetings. Following the presentation, the public was provided with an opportunity to submit oral and/or written comments during each meeting. A copy of the scoping meeting presentation is included in **Appendix D**, *Scoping Meeting Presentation*.

3.2.2 Agency Consultation

As part of scoping efforts, on July 29, 2024, the CPUC conducted early outreach to local agencies and officials and resource agencies to inform them about the upcoming Project and its scoping period. Agencies contacted are included in the table below. These agencies are also listed in Appendix A.

Name/Organization/Affiliation
Alameda County
Alameda County Clerk-Recorder's Office
Alameda County Transit
Amtrak
Bay Area Air Quality Management District
California Air Resources Board
California Department of Fish and Wildlife
California Department of Transportation
California Energy Commission
California Native American Heritage Commission
California Natural Resources Agency
California Office of Historic Preservation
California Office of Safety and Health Administration
California Public Utilities Commission
Caltrain
City of San José
City of Santa Clara
City of Fremont
City of Milpitas
Department of Health Care Services
Don Edwards San Francisco Bay National Wildlife Refuge
Federal Aviation Administration
San Francisco Bay Conservation and Development Commission
San Francisco Bay Regional Water Quality Control Board
San Francisco Public Utilities Commission
San José – Santa Clara Regional Wastewater Facility
Santa Clara County
Santa Clara County Clerk-Recorder's Office
Santa Clara Valley Habitat Agency
Santa Clara Valley Water District
State Water Resources Control Board
Union Pacific Railroad
United States Army Corps of Engineers
United States Fish and Wildlife Service
Valley Transportation Authority

4. Scoping Comments

No members of the public provided oral or written comments on the Project during the August 15, 2024, scoping meetings (i.e., no public comments were received in either the afternoon or evening meeting). Transcripts from the virtual scoping meetings are included in **Appendix E**, *Scoping Meeting Transcripts*.

The CPUC received three comment letters during the scoping period. Copies of the comment letters are provided in **Appendix F**, *Written Scoping Comments*. Commenting parties are listed in **Table 1** below. Summaries of the issues identified by the commenters are provided in Section 4.1, *Issues to be Considered under CEQA*, and Section 4.2, *Issues Not Analyzed under CEQA*.

TABLE 1
PARTIES THAT SUBMITTED EIR SCOPING COMMENTS

Name	Title, Organization/Affiliation	Date
Written Comments		
Cody Campagne	California Native American Heritage Commission	08/01/2024
Marley Matthews	California Department of Transportation	08/29/2024
Matthew Sasaki	Santa Clara Valley Water District	08/29/2024
Erin Chappell	California Department of Fish and Wildlife – Bay Delta Region	08/30/2024

In parallel to, and independent of, the formal scoping process, early tribal outreach and consultation was initiated. As of this scoping report, the following tribes have responded to the CPUC to express interest in the Project:

- Costanoan Rumsen Carmel Tribe
- Confederated Villages of Lisjan Nation
- Muwekma Ohlone Tribe of the San Francisco Bay Area
- Tamien Nation

4.1 Raised Issues to be Considered under CEQA

The following discussions are summaries of the issues identified by the public that will be considered under CEQA in the EIR. The summaries are grouped by topic with oral comments listed first alphabetically by last name/organization, followed by written comments listed alphabetically by last name/organization.

4.1.1 Biological Resources

California Department of Fish and Wildlife

The California Department of Fish and Wildlife (CDFW) noted that several special-status species have been documented in the Project area per the California Natural Diversity Database (CNDDB), the Biogeographic Information and Observation System (BIOS) records, and/or published research

documents. For example, according to BIOS records, the Project site contains positive detections of several special-status species and has the potential to support numerous special-status species and their associated habitat. Species with potential to occur on-site include but are not limited to those listed in **Table 2** below. The CDFW noted the regulatory framework applicable to these species, including the California Endangered Species Act and State Fish and Game Code sections relating to protection of migratory birds and raptors, as well as fully protected species.

TABLE 2
SPECIAL-STATUS SPECIES

Species	Status
Fish and Invertebrates	
Crotch's bumble bee (*Bombus crotchii*)	State candidate (SC)
green sturgeon – southern distinct population segment (DPS [Acipenser medirostris pop. 1])	Federally Threatened (FT), State Species of Special Concern (SSC)
steelhead - central California coast DPS (*Oncorhynchus mykiss irideus*)	FT, SSC
longfin smelt (Spirinchus thaleichthys)	Proposed FT, State Threatened (ST)
white sturgeon (*Acipenser transmontanus*)	SC
Sacramento hitch (Lavinia exilicauda exilicauda)	SSC
Sacramento splittail (*Pogonichthys macrolepidotus*)	SSC
Birds	
Cooper's hawk (*Accipiter cooperii*)	State Watch List
Alameda song sparrow (*Melospiza melodia pusillula*)	SSC
black skimmer (*Rynchops niger*)	SSC
burrowing owl (*Athene cunicularia*)	SSC
California least tern (Sternula antillarum browni)	FE, State Fully Protected (FP)
California Ridgway's rail (*Rallus obsoletus obsoletus*)	FE, State Endangered (SE), FP
California black rail (*Laterallus jamaicensis coturniculus*)	ST, SSC
golden eagle (*Aquila chrysaetos*)	FP
grasshopper sparrow (*Ammodramus savannarum*)	SSC
northern harrier (*Circus hudsonius*)	SSC
saltmarsh common yellowthroat (*Geothlypis trichas sinuosa*)	SSC
tricolored blackbird (*Agelaius tricolor*)	ST, SSC
western snowy plover (*Charadrius nivosus nivosus*)	FT, SSC
white-tailed kite (*Elanus leucurus*)	FP
Mammals	
pallid bat (*Antrozous pallidus*)	SSC
salt-marsh harvest mouse (*Reithrodontomys raviventris*)	Federal Endangered (FE), FP
San Francisco dusky-footed woodrat (Neotoma fuscipes annectens)	SSC
salt-marsh wandering shrew (*Sorex vagrans halicoetes*)	SSC
Townsend's big-eared bat (Corynorhinus townsendii)	SSC
Reptiles and Amphibians	
western pond turtle (*Emys marmorata*)	Proposed FT, SSC

TABLE 2
SPECIAL-STATUS SPECIES

Species	Status
Plants	
Hoover's button-celery (*Eryngium aristulatum var. hooveri*)	S1, 1B.1
California alkali grass (*Puccinellia simplex*)	S2, 1B.2
Congdon's tarplant (Centromadia parryi ssp. congdonii)	S2, 1B.1
Contra Costa Goldfields (*Lasthenia conjugens*)	FE, S1, 1B.1
Point Reyes salty bird's-beak (*Chloropyron maritimum ssp. palustre*)	S2, 1B.2
California seablite (Suaeda californica)	FE, S1, 1B.1
saline clover (*Trifolium hydrophilum*)	S2, 1B.2

CDFW noted specific comments related to the following categories: (1) Nesting Birds, (2) Golden Eagle, (3) Western Burrowing Owl, (4) Marsh and Shoreline Birds, (5) Bats, (6) State Listed Fish Species, (7) Western Pond Turtle, (8) Crotch's bumble bee, (9) Sensitive Natural Plant Communities, and (10) Permits for Stream Wetland, and Other Waters Impacts, Impacts to Sensitive Natural Communities, Riparian Habitat, Wetlands, Lake and Streambed Alteration (LSA) Notification, and Clean Water Act compliance.

For each comment addressed above, CDFW provided recommended mitigation measures, which are presented in the CDFW comment letter in Appendix F. For example, for (1) Nesting Birds, CDFW recommended nesting bird surveys, active nest buffers, and avian electrocution assessment. For (3) Western Burrowing Owl, CDFW recommended a thorough habitat assessment and surveys.

CDFW also noted the Project's vicinity to State Waters, citing Fish and Game Code section 1600 et seq., wherein for Project activities affecting rivers, lakes or streams and associated riparian habitat, notification is required for any activity that may substantially divert or obstruct the natural flow; change or use material from the bed, channel, or bank (including associated riparian or wetland resources); or deposit or dispose of material where it may pass into a river, lake, or stream. Therefore, any impact to the mainstems, tributaries, or floodplains or associated riparian habitat caused by the Project will likely require an LSA Notification.

CDFW recommended that the EIR provide baseline habitat assessments for special status plant, fish, and wildlife species located and potentially located within the Project area and surrounding lands, including all rare, threatened, and endangered species (CEQA Guidelines §15380). CDFW furthermore recommended that the EIR should describe aquatic habitats, such as wetlands or waters of the U.S. or State, and any sensitive natural communities or riparian habitat occurring on or adjacent to the Project area. Finally, CDFW recommended that the CNDDB, as well as previous studies performed in the area, be consulted to assess the potential presence of sensitive species and habitats. CDFW's comment letter, which includes the full text of regulatory requirements, CDFW jurisdictions, and recommended mitigation measures, can be viewed in full in Appendix F. CDFW noted that it would be a Responsible and Trustee Agency for the Project.

Santa Clara Valley Water District

Santa Clara Valley Water District (Valley Water) provides stream stewardship, wholesale water supply, and flood protection for Santa Clara County. In its comment letter, Valley Water suggested that the EIR should evaluate potential impacts from the Project to the Salt-marsh Harvest Mouse and Ridgeways' rail along with any other special-status species which may be found in the Project area. Valley Water also recommended that the EIR should evaluate potential impacts to tidal marsh, wetlands, and riparian habitat.

4.1.2 Hazards and Hazardous Materials

Santa Clara Valley Water District

Valley Water noted that the Project alignment crosses special flood hazard areas, and suggested that impacts related to the proposed above-ground infrastructure should be discussed in the EIR.

4.1.3 Noise and Vibration

California Department of Transportation

The California Department of Transportation (Caltrans) suggested that mitigation for potentially significant impacts due to construction and noise should be identified.

4.1.4 Recreational Resources

Santa Clara Valley Water District

Valley Water noted that the proposed route crosses the Coyote Creek Trail and the Guadalupe River Trail, which are both located on Valley Water property. Valley Water suggested that impacts to these two trails should be analyzed within the Recreation section of the EIR. Valley Water noted that these particular sections crossed by the Project are managed under joint use agreements with the cities of Milpitas and San José. Valley Water further stated that the proposed trail crossings would require issuance of an encroachment permit to cross Valley Water property.

4.1.5 Transportation

California Department of Transportation

Caltrans suggested that potential impacts to the State right-of-way (ROW) from project-related temporary access points should be analyzed. Caltrans noted that the Project will likely require an encroachment policy exception for the portion of the facility crossing Caltrans ROW, and thus described the associated formal permit submittal process. In addition, Project work that entails movement of oversized or excessive load vehicles on State roadways will require a transportation permit issued by Caltrans. Caltrans also noted that prior to construction, coordination may be needed to develop a transportation management plan to reduce construction traffic impacts to the State transportation network. Regulatory requirements and guidance for best practices specific to Caltrans were referenced and included with the comment letter.

4.1.6 Cumulative Projects

Santa Clara Valley Water District

Valley Water's comment letter identifies the anticipated encroachment permit needed for the Guadalupe River crossing near State Route 237. The Project would coincide with Valley Water's Lower Guadalupe River Project (LGRP), which would restore the river's flood protection level. The LGRP is currently in design, with construction expected to begin in 2028. Therefore, Valley Water requested that the EIR consider interactions with LGRP, including ensuring levee raising and operations and maintenance activities are not impacted by the Project.

4.2 Raised Issues Not to be Analyzed under CEQA

The EIR will be used to guide Project decision-making by the CPUC by providing an assessment of the potential environmental impacts that would result from the Project. The weighing of Project benefits (environmental, economic, or otherwise) against adverse environmental effects is outside the scope of the EIR. When the CPUC considers whether to approve LSPGC's application for the Project, it will consider the EIR along with economic and other considerations.

Summaries of the scoping comments received on issues that will not be analyzed under the CEQA review for the Project are presented below along with the associated discussions.

4.2.1 General Comments

California Native American Heritage Commission

The California Native American Heritage Commission (NAHC) contacted CPUC on August 1, 2024, to confirm receipt of the NOP and to disclose regulatory compliance requirements regarding potentially substantial adverse changes to significant historical resources, pursuant to CEQA. The letter provided context and the requirements of Assembly Bill 52 and Senate Bill 18, among other considerations related to tribal cultural resources.

Discussion

As stated above, CPUC conducted early tribal outreach and consultation with tribes. These coordination efforts are on-going, and the results of these discussions will be considered, as appropriate, under applicable regulations such as CEQA.

San Francisco Public Utilities Commission

The San Francisco Public Utilities Commission (SFPUC) contacted CPUC and LSPGC on June 3, 2024 and advised that the SFPUC owns property in fee in the South Bay that is used as a ROW for water and power transmission lines. The SFPUC requested to be part of the scoping outreach process and advised LSPGC to consider the SFPUC's policy which prohibits overhead encroachments on SFPUC pipeline ROW.

Discussion

On June 4, 2024, LSPGC responded to the SFPUC's communication by providing project mapping and a brief description of the potential crossing of the Project alignment across SFPUC ROW. It was determined that the Project would not cross any SFPUC ROW, although a

transmission line serving SFPUC's Hetch Hetchy Aqueduct connects to the PG&E Newark Substation. The SFPUC was also included as part of the scoping outreach; however, the SFPUC did not submit any comments within the scoping period. This matter will not be analyzed under CEQA, as it is not applicable to environmental review under CEQA. Furthermore, the comment was provided outside the scoping period, and, therefore, would not be within the scope of public comments to be considered under CEQA.

Santa Clara Valley Water District

Valley Water noted that it has facilities and owns fee title property and easements along the proposed Project route. Valley Water advised that a Valley Water encroachment permits will be required for any work that affects its facilities or is within its fee title property or easements.

Discussion

LSPGC has been coordinating with Valley Water to secure the required encroachment permits. Valley Water's decision regarding whether to approve the permit application is a discretionary activity that triggers CEQA, making Valley Water a Responsible Agency under CEQA.

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APPENDICES

The Appendices herein contain supporting information. These Appendices contain highly detailed figures and other graphic information, which are difficult to translate for screen reading software; therefore, the Appendices have not been translated into an auditory format. If you have a disability and/or have difficulty accessing any material in this document, please contact us by mail, email, or telephone, and we will work with you to make all reasonable accommodations. Please indicate 1) the nature of the accessibility need; 2) your preferred format; 3) the material you are trying to access and its location within this document; and 4) how to reach you if questions arise while fulfilling your request. You can direct your requests to:

Mr. Tommy Alexander
California Public Utilities Commission
Infrastructure Planning and CEQA, Energy Division
505 Van Ness Avenue
San Francisco, California 94102
Phone: 213-266-4748
E-mail: tommy.alexander@cpuc.ca.gov

Appendix A

State Clearinghouse Documentation and Notice of Preparation Mailing List

LSPGC Power the South Bay Project

Summary

SCH Number
2024071095

Lead Agency
California Public Utilities Commission (CPUC)

Document Title
LSPGC Power the South Bay Project

Document Type
NOP - Notice of Preparation of a Draft EIR

Received
7/29/2024

Present Land Use
Zoning: General Industrial; Planned Development Single Family Residential; Land uses: Commercial, Industrial, Open Space, Parks, Public Facility, Residential, Agriculture, Transit Neighborhood, Public, Urban Center

Document Description
The Power the South Bay Project would augment the reliability of a CAISO-controlled grid located in the cities of Fremont, Milpitas, San José, and Santa Clara. This would be accomplished through the construction of two new high-voltage direct current (HVDC) terminals and associated new transmission lines which would connect the existing Pacific Gas and Electric Company (PG&E) Newark 230 kilovolt (kV) substation and the existing Silicon Valley Power (SVP) Northern Receiving Station (NRS) 230 kV substation. The two new HVDC terminals would include a new Albrae HVDC converter station terminal (Albrae terminal) interconnected to the existing PG&E Newark substation, and a new Baylands HVDC converter station terminal (Baylands terminal) interconnected to the existing SVP NRS substation. The primary function of the proposed new HVDC terminals would be to convert alternating current (AC) power to direct current (DC) power at the sending terminal and convert DC power back to AC power at the receiving terminal. The new transmission lines would extend approximately 12.5 miles and would be a combination of both overhead and underground lines. The Project would include all new facilities as well as modifications to the existing PG&E Newark and SVP NRS substations to accommodate interconnection specifically to the new HVDC terminals via the new transmission lines.

Contact Information

Name
Tommy Alexander

Agency Name
Project Manager CPUC

Job Title
Public Utilities Regulatory Analyst

Contact Types
Lead/Public Agency

Address
505 Van Ness Avenue
San Francisco, CA 94102

Phone
(213) 266-4748

Email
Tommy.Alexander@cpuc.ca.gov

Name
Dustin Joseph

Agency Name
LS Power Grid CA, LLC

Job Title
Project Manager

Contact Types
Project Applicant

Address
6701 Kroll Center Parkway, Ste. 250
Pleasanton, CA 94566

Phone
(925) 808-0291

Email
DJoseph@lspower.com

Name
David D. Davis

Agency Name
Environmental Science Associates

Job Title
Planner V

Contact Types
Consulting Firm

Address

575 Market Street, Ste. 3700
San Francisco, CA 94105

Phone

(707) 796-7001

Email

DDavis@esassoc.com

Location

Coordinates

37°25'44.65"N 121°57'8.57"W

Cities

Fremont, Milpitas, San Jose, Santa Clara

Counties

Alameda, Santa Clara

Regions

San Francisco Bay Area

Cross Streets

Multiple: Weber Rd, Boyce Rd, Cushing Pkwy, Fremont Blvd, Los Esteros Rd, Disk Dr, Lafayette St

Zip

95438 +

Total Acres

15+ for terminal

Jobs

300

Parcel #

multiple

State Highways

I-880, I-680, I-280, US 101, 237

Railways

VTA, BART, AC Transit, Union Pac

Airports

San Jose Mineta International

Schools

FUSD, MUSD, SCUSD

Waterways

Guadalupe River, Coyote Creek, Penitencia Creek, Berryessa Creek

Township

6S

Range
1W

Section
00

Base
Diablo

Other Location Info
Additional zip codes: 95134, 95054

Other Information
Estimated jobs are associated with peak construction

Notice of Completion

State Review Period Start
7/29/2024

State Review Period End
8/30/2024

State Reviewing Agencies
California Air Resources Board (ARB), California Coastal Commission (CCC), California Department of Conservation (DOC), California Department of Fish and Wildlife, Bay Delta Region 3 (CDFW), California Department of Fish and Wildlife, Marin Region 7 (CDFW), California Department of Forestry and Fire Protection (CAL FIRE), California Department of Parks and Recreation, California Department of Resources Recycling and Recovery, California Department of Toxic Substances Control (DTSC), California Department of Transportation, District 4 (DOT), California Department of Transportation, Division of Aeronautics (DOT), California Department of Transportation, Division of Transportation Planning (DOT), California Department of Water Resources (DWR), California Energy Commission, California Governor's Office of Emergency Services (OES), California Native American Heritage Commission (NAHC), California Natural Resources Agency, California Public Utilities Commission (CPUC), California Regional Water Quality Control Board, San Francisco Bay Region 2 (RWQCB), California State Lands Commission (SLC), Office of Historic Preservation, San Francisco Bay Conservation and Development Commission (BCDC), State Water Resources Control Board, Division of Drinking Water, State Water Resources Control Board, Division of Water Quality

Development Types
Other (230kV/ 320kV transmission lines), Power:Electric Transmission Lines (Reliability voltage support; high-voltage DC terminals)(Megawatts 1000)

Local Actions
Site Plan

Project Issues
Aesthetics, Agriculture and Forestry Resources, Air Quality, Biological Resources, Coastal Zone, Cultural Resources, Cumulative Effects, Energy, Flood Plain/Flooding, Geology/Soils, Greenhouse Gas Emissions, Growth Inducement, Hazards & Hazardous Materials, Hydrology/Water Quality, Land Use/Planning, Mineral Resources, Noise, Population/Housing, Public Services, Recreation, Schools/Universities, Solid Waste, Transportation, Tribal Cultural Resources, Utilities/Service Systems, Vegetation, Wetland/Riparian, Wildfire

Attachments

Draft Environmental Document [Draft IS, NOI_NOA_Public notices, OPR Summary Form, Appx,]

Power the South Bay_Full NOP PDF 598 K

Notice of Completion [NOC] Transmittal form

PTSB_NOC_26July24_signed PDF 266 K

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Notice of Preparation Mailing List			
Local Agencies			
Organization	**Department / Title**	**First Name**	**Last Name**
Alameda County	District 2 Supervisor	Elisa	Marquez
Alameda County	Alameda County Planning Commission	Maria	Palmeri
Alameda County	Public Works Agency		
Alameda County	County Clerk-Recorder's Office		
City of Fremont	City Manager	Karena	Shackelfold
City of Fremont	City Clerk's Office		
City of Fremont	District 5 Councilmember	Raj	Salwan
City of Fremont	City of Fremont Planning Commission	Yonggang	Zhang
City of Fremont	City of Fremont Planning	Joel	Pullen
City of Fremont	Public Works Director	Hans	Larson
City of Milpitas	City Manager	Ned	Thomas
City of Milpitas	Deputy City Manager	Matt	Cano
City of Milpitas	Milpitas City Council	Anthony	Phan
City of Milpitas	Milpitas City Council	Garry	Barbadillo
City of Milpitas	Milpitas City Council	Hon	Lien
City of Milpitas	Milpitas Planning Commission-Staff Liason	Jay	Lee
City of Milpitas	Public Works Director	Christian	Di Renzo
City of San José	City Manager	Jennifer	Maguire
City of San José	Executive Assistant	Sandra	Cranford
City of San José	Deputy City Manager	Kip	Harkness
City of San José	Mayor	Matt	Mahan
City of San José	District 4 Councilmember	David	Cohen
City of San José	Acting Director - Department of Public Works	Matt	Loesch
City of San José	Director of Communications	Carolina	Camarena
City of San José	Planning, building and code enforcement env review program	David	Keyon
City of Santa Clara	City Manager	Jōvan	Grogan
City of Santa Clara	Santa Clara Planning		
City of Santa Clara	Santa Clara Planning Commission	Lance	Saleme
City of Santa Clara	District 1 Councilmember	Kathy	Watanabe
City of Santa Clara	Director of Public Works	Craig	Mobeck
City of Santa Clara	Director of Water & Sewer Utilities	Gary	Welling
Santa Clara County	County of Santa Clara Board of Supervisors	Curtis	Boone
Santa Clara County	District 3 Supervisor, President	Susan	Ellenberg
Santa Clara County	District 4 Supervisor, Vice President	Otto	Lee
Santa Clara County	Santa Clara County Planning & Development Department	Renee	Rodriguez
Santa Clara County	County Roads, Road & Signal Operations Division	Ananth	Prasad
Santa Clara County	County-Clerk Recorder's Office		

State Agencies			
Organization	**Department / Title**	**First Name**	**Last Name**
Alameda County Transit	Chief Operating Office	Salvador	Llamas
Bay Area Air Quality Management District	Executive Officer/Air Pollution Control Officer	Philip	Fine
Cal/OSHA Mining & Tunneling Unit	Senior Safety Manager, Sacramento District	Jeffrey	Wallace
California Air Resources Board	Executive Officer	Steven	Cliff
California Department of Fish and Wildlife	Office of Communictions	Jen	Benedet
California Department of Fish and Wildlife	Director	Charlton	Bonham
California Department of Fish and Wildlife	Regional Manager, Bay Delta Region (Region 3)	Erin	Chappell
California Department of Fish and Wildlife	Environmental Program Manager	Craig	Weightman
California Department of Transportation	Director	Tony	Tavares
California Department of Transportation	District 4 Director	Dina	El-Tawansy
California Department of Transportation	Acting Program Director	Tarek	Tabshouri
California Energy Commission	Siting, Transmission, & Environmental Protection Division	Eric	Knight
California Energy Commission	Executive Director	Drew	Bohan
California Energy Commission	Deputy Executive Director	Jennifer	Martin-Gallardo
California Native American Heritage Commission	Chairperson	Reginald	Pagaling
California Natural Resources Agency	Assistant Deputy Secretary for Communications	Kristen	Macintyre
California Natural Resources Agency	Secretary	Wade	Crowfoot
California Office of Historic Preservation	State Historic Preservation Officer	Julianne	Polanco
California Public Utilities Commission	Deputy Executive Director, Energy Division	Leuwam	Tesfai
California Public Utilities Commission	Director, Energy Division	Simon	Baker
California Public Utilities Commission	Director, Energy Division	Pete	Skala
California Public Utilities Commission	Public Advisor's Office - CPUC		
California Public Utilities Commission	Interim Director, Public Advocates Office	Linda	Serizawa
California Public Utilities Commission	Supervisor, Energy Division - CEQA	Roxanne	Henriquez
California Public Utilities Commission	Supervisor, Energy Division - CEQA	Michelle	Wilson
California Public Utilities Commission	Project Manager	Tharon	Wright
California Public Utilities Commission	Project Manager	Tommy	Alexander
CalTrain	Environmental Planner	Bonny	Oconnor
Department of Health Care Services	Legislative & Governmental Affairs	Carol	Gallegos
Department of Health Care Services	Director	Michelle	Baass
Don Edwards National Wildlife Refuge	Refuge Manager	Ann	Spainhower
Don Edwards National Wildlife Refuge	Wildlife Biologist	Rachel	Tertes
Federal Aviation Administration Western-Pacific Region	Regional Administrator	Raquel	Girvin
San Francisco Bay Conservation and Development Commission	Executive Director	Larry	Goldzband
San Francisco Bay Conservation and Development Commission	Director of Regulatory	Harriet	Ross
San Francisco Bay Regional Water Quality Control Board	Executive Officer	Eileen	White
San Francisco Bay Regional Water Quality Control Board	Engineering Geologist	Roger	Papler
San Francisco Public Utilities Commission	Environmental Compliance & Land Planner	Elton	Wu

San Francisco Public Utilities Commission	Real Estate Director	Rosanna	Russell
San José - Santa Clara Regional Wastewater Facility	General Manager	Mariana	Chavez-Vazquez
Santa Clara Valley Habitat Agency	Executive Officer	Edmund	Sullivan
Santa Clara Valley Habitat Agency	Program Manager	Gerry	Haas
Santa Clara Valley Water District	Chief Executive Officer	Rick	Callender
State Water Resources Control Board	Ombudsman	Ginah	Amaah
State Water Resources Control Board	Executive Director	Eric	Oppenheimer
U.S. Army Corps of Engineers, San Francisco Disrict, Regulatory Division	Southern Branch Chief	Katerina	Galacatos
Union Pacific	Sr. Director, Public Affairs	Peggy	Ygbuhay
United States Fish and Wildlife Service	Senior Wildlife Biologist	Joseph	Terry
NAHC Non-Statutory Tribes			
Organization	**Department / Title**	**First Name**	**Last Name**
The Ohlone Indian Tribe	Chairperson	Andrew	Galvan
Indian Canyon Mutsun Band of Costanoan	Chairperson	Ann Marie	Sayers
Costanoan Rumsen Carmel Tribe	Tribal Council	Carla	Munoz
Muwekma Ohlone Tribe of the SF Bay Area	Chairperson	Charlene	Nijmeh
Confederated Villages of Lisjan Nation	Tribal Cultural Resource Manager	Cheyenne	Gould
Confederated Villages of Lisjan Nation	Chairperson	Corrina	Gould
Wilton Rancheria	Cultural Preservation Department		
Wilton Rancheria	Executive Director	Dahlton	Brown
Confederated Villages of Lisjan Nation	Language Program Manager	Deja	Gould
The Ohlone Indian Tribe	THPO	Desiree	Vigil
Amah Mutsun Tribal Band	Vice-Chairperson	Ed	Ketchum
Costanoan Rumsen Carmel Tribe	Cultural Resource Officer	Henry	Munoz
Wilton Rancheria	Executive Director	Herbert	Griffin
Amah Mutsun Tribal Band of Mission San Juan Bautista	Chairperson	Irene	Zwierlein
Tamien Nation	THPO	Johnathan Wasaka	Costillas
Indian Canyon Mutsun Band of Costanoan	MLD Contact	Kanyon	Sayers-Roods
Northern Valley Yokut/Ohlone Tribe	Chairperson	Katherine	Perez
Wuksachi Indian Tribe/Eshom Valley Band	Chairperson	Kenneth	Woodrow
Tamien Nation	Secretary	Lillian	Camarena
Tamien Nation	Chairperson	Quirina Luna	Geary
Muwekma Ohlone Tribe of the SF Bay Area	Councilmember/MLD Tribal Rep.	Richard	Massiatt
Costanoan Rumsen Carmel Tribe	Cultural Resource Officer	Samuel	Rodriguez
Northern Valley Yokut/Ohlone Tribe	Tribal Compliance Officer	Timothy	Perez
Amah Mutsun Tribal Band	Chairperson	Valentin	Lopez
The Ohlone Indian Tribe	Cultural Leader	Vincent	Medina

Appendix B

Notice of Scoping Meetings and Release of the Notice of Preparation and Notice of Preparation

California Public Utilities Commission

Notice of Scoping Meetings and Release of Notice of Preparation of an Environmental Impact Report for the Power the South Bay Project (A.24-05-014)

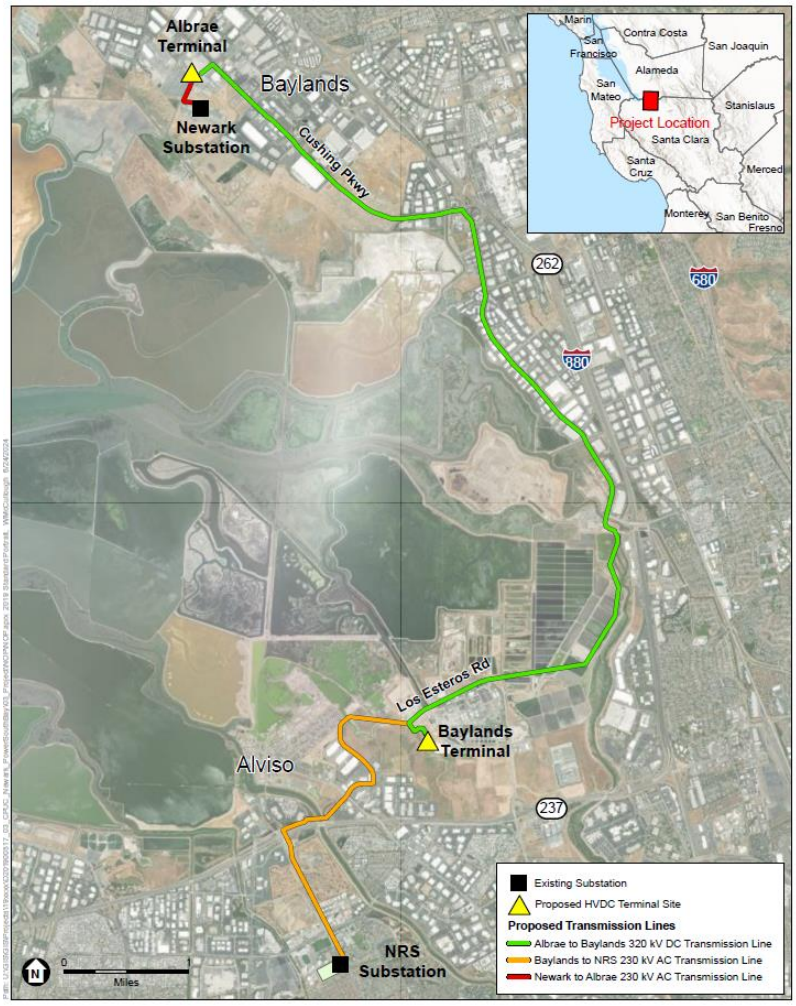
Notice is hereby given that the California Public Utilities Commission (CPUC), as lead agency for the purposes of the California Environmental Quality Act (CEQA) review, has released a Notice of Preparation (NOP) of an Environmental Impact Report (EIR) and will host scoping meetings for the proposed Power the South Bay Project (Project). The Project would be located in the cities of Fremont, Milpitas, San José, and Santa Clara, and within the counties of Alameda and Santa Clara in the South San Francisco Bay region of California. The primary components of the LS Power Grid California (LSPGC) Project include two new high-voltage direct current (HVDC) terminals and associated new transmission lines which would connect the existing Pacific Gas and Electric Company (PG&E) Newark 230 kilovolt (kV) substation and the existing Silicon Valley Power (SVP) Northern Receiving Station (NRS) 230 kV substation. The two new HVDC terminals would include a new Albrae HVDC converter station terminal (Albrae terminal) interconnected to the existing PG&E Newark substation, and a new Baylands HVDC converter station terminal (Baylands terminal) interconnected to the existing SVP NRS substation. The Project was approved by the California Independent System Operator (CAISO) to ensure the reliability of the area's CAISO-controlled grid. As such, the Project's stated purpose is to strengthen the electrical grid in the San Francisco Bay Area (Bay Area).

Pursuant to CEQA, the CPUC is preparing an EIR for the Project and is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed in it. The NOP may be accessed online at the CPUC's website for the Project: https://ia.cpuc.ca.gov/environment/info/esa/psb/index.html. The NOP is also available for public review by request at the following libraries:

- Newark Library, 37055 Newark Boulevard, Newark
- Fremont Main Library, 2400 Stevenson Boulevard, Fremont
- Milpitas Library, 160 North Main Street, Milpitas
- Alviso Branch Library, 5050 North First Street, Alviso
- Northside Branch Library, 695 Moreland Way, Santa Clara
- Joyce Ellington Branch Library, 491 East Empire Street, San José

Initiated by the release of the NOP, the 30-day scoping period is from Monday, July 29, 2024 through 5:00 PM on Friday, August 30, 2024. Scoping comments may be submitted in writing during the 30-day NOP scoping period by mail to: Tommy Alexander, CPUC Project Manager; Attn. D. Davis c/o Environmental Science Associates at 575 Market Street, Suite 3700, San Francisco, CA 94105; or by email to PowertheSouthBay@esassoc.com. In order for members of the public and regulatory agencies to have an opportunity to submit verbal comments on the scope of the EIR, two virtual meetings will be held as noted (**see the next page for meeting details**).

Meeting Information	Virtual Meeting No. 1	Virtual Meeting No. 2
Day and Date	Thursday, August 15, 2024	Thursday, August 15, 2024
Time	2:30 to 4:00 p.m.	6:30 to 8:00 p.m.
Attend by	Zoom Link: https://bit.ly/PowertheSouthBay or by phone: (888) 788-0099 Webinar ID: 894 4671 0376	



This figure shows the location of the project's components in Fremont, Milpitas, San Jose, and Santa Clara, California.

To: **State Clearinghouse, Responsible and Trustee Agencies, Property Owners & Interested Parties**

From: **Mr. Tommy Alexander, CPUC Project Manager**

Subject: **NOTICE OF PREPARATION (NOP) OF AN ENVIRONMENTAL IMPACT REPORT (EIR) AND NOTICE OF PUBLIC SCOPING MEETING FOR THE POWER THE SOUTH BAY PROJECT (A.24-05-014)**

Date: **July 29, 2024**

INTRODUCTION

LS Power Grid California (LSPGC) filed a certificate of public convenience and necessity (CPCN) application (A.24-05-014) with the California Public Utilities Commission (CPUC) for its proposed Power the South Bay Project (Project). The Project was approved by the California Independent System Operator (CAISO) to ensure the reliability of the area's CAISO-controlled grid. As such, the Project's stated purpose is to strengthen the electrical grid in the San Francisco Bay Area (Bay Area). The CPUC, as the lead agency under the California Environmental Quality Act (CEQA), will prepare an Environmental Impact Report (EIR) to analyze the effects of the proposed Project in compliance with CEQA. The CPUC has reviewed the application submitted May 17, 2024, and deemed the application complete on June 13, 2024. In order to obtain early feedback on the environmental issues to be addressed in the EIR, the CPUC is initiating the scoping process to inform the CEQA review with a scoping period from July 29 through August 30, 2024.

PUBLIC SCOPING MEETINGS NOTICE

Two Zoom meetings will be held Thursday, August 15, 2024

Meeting Information	**Virtual Meeting No. 1**	**Virtual Meeting No. 2**
Day and Date	Thursday, August 15, 2024	Thursday, August 15, 2024
Time	2:30 to 4:00 p.m.	6:30 to 8:00 p.m.
Attend by	Zoom Link: https://bit.ly/PowertheSouthBay or by phone: (888) 788-0099 Webinar ID: 894 4671 0376	

What is Scoping?

The purpose of this NOP is to inform recipients that the CPUC is beginning the scoping process and preparing an EIR for the proposed Project. Scoping is the process of soliciting public and agency input regarding the scope and content of an EIR, in advance of its preparation. Pursuant to CEQA, the CPUC is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed in the EIR.

This notice includes a brief description of the Project, a brief summary of the anticipated potential impacts, information on public meetings, and how to provide input on the scope and content of the EIR. After the public scoping period has ended, a Scoping Report will be prepared to summarize the comments received. This NOP and the Scoping Report will be included as an appendix to the EIR and will be available on the CPUC's website for the Project with other Project documents and reports, including LSPGC's application and PEA, at the following link:

https://ia.cpuc.ca.gov/environment/info/esa/psb/index.html

PROJECT LOCATION

The Project would be located in the cities of Fremont, Milpitas, San José, and Santa Clara, and within the counties of Alameda and Santa Clara. **Figure 1**, *Project Location*, depicts an overview of the proposed Project in the context of regional jurisdictions.

PROJECT DESCRIPTION

The Power the South Bay Project would augment the reliability of a CAISO-controlled grid located in the cities of Fremont, Milpitas, San José, and Santa Clara. This would be accomplished through the construction of two new high-voltage direct current (HVDC) terminals and associated new transmission lines which would connect the existing Pacific Gas and Electric Company (PG&E) Newark 230 kilovolt (kV) substation and the existing Silicon Valley Power (SVP) Northern Receiving Station (NRS) 230 kV substation. The two new HVDC terminals would include a new Albrae HVDC converter station terminal (Albrae terminal) interconnected to the existing PG&E Newark substation, and a new Baylands HVDC converter station terminal (Baylands terminal) interconnected to the existing SVP NRS substation. The primary function of the proposed new HVDC terminals would be to convert alternating current (AC) power to direct current (DC) power at the sending terminal and convert DC power back to AC power at the receiving terminal. The new transmission lines would extend approximately 12.5 miles and would be a combination of both overhead and underground lines. The Project would include all new facilities as well as modifications to the existing PG&E Newark and SVP NRS substations to accommodate interconnection specifically to the new HVDC terminals via the new transmission lines.

This figure shows the location of the project's components in Fremont, Milpitas, San Jose, and Santa Clara, California.



SOURCE: KP Environmental, 2024

CPUC Power the South Bay

Figure 1
Project Location

ESA

Applicant Proposed Measures

As part of the Project, LSPGC has committed to implementing applicant-proposed measures (APMs) to reduce its potential impacts. The EIR will evaluate these measures as part of the Project, and the CPUC will develop additional mitigation measures to reduce or avoid any significant impacts of the Project identified in its independent analysis.

Project Objectives

LSPGC's stated purpose of the Project is to strengthen the electrical grid in the Greater Bay Area in the counties of Santa Clara and Alameda. LSPGC has identified the following objectives for the Project:

- Meet the CAISO's reliability-driven need by addressing multiple near-, mid-, and long-term reliability issues in the existing San José area 115 kV system.

- Meet the technical specifications set forth by CAISO for a Voltage Source Converter (VSC)-HVDC link in the Greater Bay Area located near or adjacent to the existing PG&E Newark substation and SVP NRS substation. Adjacency to the existing PG&E Newark and SVP NRS substations would reduce the length of the interconnection (230 kV) transmission lines, thereby reducing the right-of-way requirements and potential for significant environmental impacts.

- Improve and maintain the reliability of the transmission grid by providing dynamic reactive power support, and increase deliverability of renewable power by building and operating a facility that would help keep transmission voltages within specified parameters, reduce transmission losses, increase reactive margin for the system bus, increase transmission capacity, provide a higher transient stability limit, increase damping of minor disturbances, and provide greater voltage control and stability.

- Facilitate deliverability of energy from existing and proposed renewable generation projects to the Greater Bay Area and corresponding progress toward achieving California's Renewables Portfolio Standard (RPS) goals in a timely and cost-effective manner by California utilities.

- Comply with and assist CAISO in meeting applicable Reliability Standards and Criteria developed by the North American Electric Reliability Corporation (NERC), Western Electricity Coordinating Council (WECC), and CAISO.

- Design and construct the Project in conformance with LS Power's standards, the National Electric Safety Code, and other applicable national and State codes and regulations.

As lead agency under CEQA, the CPUC is responsible for identifying appropriate Project objectives, which may differ from LSPGC's objectives described above, to inform the CEQA process/evaluation, including the development and screening of Project alternatives. The CPUC has not yet identified its CEQA objectives for the Project.

ISSUES TO BE ADDRESSED IN THE EIR

It has been determined that an EIR is required for the CEQA review because the Project could result in potentially significant impacts to environmental resources. The EIR will address all of the issues identified in the CEQA Environmental Checklist Form (see CEQA Guidelines Appendix G). However, it is anticipated that the Project would have nominal or no impacts to the following resource areas: agriculture and forestry resources, energy, greenhouse gas emissions, land use and planning, mineral resources, population and housing, and wildfire.

Environmental Effects

LSPGC has indicated that the Project would not result in any potentially significant or significant and unavoidable impacts. Nonetheless, LSPGC would remain responsible for the assembly of construction and environmental teams that would implement and evaluate APMs. As such, LSPGC has identified APMs, which include PG&E and/or SVP best management practices (BMPs), to make sure that Project-level impacts for some resource areas would be less than significant. Resource areas for which LSPGC has provided APMs, as well as CEQA Appendix G checklist items associated to those APMs, are summarized below.

- ***Aesthetics***: Have a substantial adverse effect on a scenic vista; conflict with applicable zoning and other regulations governing scenic quality; introduce new sources of light and/or glare.
- ***Air Quality:*** Conflict with or obstruct implementation of the applicable air quality plan; 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; expose sensitive receptors to substantial pollutant concentrations.
- ***Biological Resources:*** Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW) or the U.S. Fish and Wildlife Service (USFWS); have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the CDFW or USFWS; have a substantial adverse effect on state or federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means; interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites; create a substantial collision or electrocution risk for birds or bats.
- ***Cultural Resources:*** Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5; cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5; inadvertent disturbance of any cultural resources or human remains, including those interred outside of dedicated cemeteries.
- ***Geology, Soils, and Paleontological Resources:*** Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: rupture of a known earthquake fault, strong seismic ground shaking, seismic-related ground failure (including liquefaction), landslides; result in substantial soil erosion or the loss of topsoil; be located on a geologic unit or soil

that is unstable or that would become unstable as a result of the Project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse; be located on expansive[1] soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property; directly or directly destroy a unique paleontological resources or site or unique geologic feature.

- ***Hazards, Hazardous Materials, and Public Safety:*** Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials; create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment; emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school; be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code 65962.5 and, as a result, would it create a significant hazard to the public or the environment; impair implementation of or physically interfere with an adopted emergency response plan or emergency response plan; expose workers or the public to excessive shock hazards.
- ***Hydrology and Water Quality:*** Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality; create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; risk release of pollutants due to project inundation in flood hazard, tsunami, or seiche zones; conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan;
- ***Recreation:*** Reduce or prevent access to a designated recreation facility or area; damage recreational trails or facilities.
- ***Traffic and Transportation:*** Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities; substantially increase hazards due to geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment); result in inadequate emergency access; create potentially hazardous conditions for people walking, bicycling, or driving or for public transit operations; interfere with walking or bicycling accessibility; substantially delay public transit.
- ***Tribal Cultural Resources:*** Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1 (k); cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is resource determined by the lead agency, in its discretion ad supported by substantial evidence,

[1] The California Building Code (CBC), formerly Uniform Building Code, no longer includes a Table 18-1-B. Instead, Section 1803.5.3 of the CBC describes the criteria for analyzing expansive soils.

to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1.

- ***Utilities and Service Systems:*** Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects; increase the rate of corrosion of adjacent utility lines as a result of alternating current impacts.

Mitigation Measures, Cumulative Impacts, and Alternatives

The EIR will include the CPUC's independent evaluation of the potential effects described above and other potentially significant environmental effects of the Project, including those resulting from its construction, operation, and maintenance. Where necessary and feasible, mitigation measures will be recommended (in addition to or to supersede LSPGC APMs) to avoid or reduce potentially significant impacts. The EIR will also address potential cumulative environmental impacts of the Project, when considered with past, other current, and reasonably foreseeable future projects in the region.

The EIR will include a discussion and analysis of a reasonable range of alternatives to the Project, including a No Project alternative scenario, and alternatives to the Project that could attain most of its basic CEQA objectives while avoiding or reducing any of its significant environmental effects. LSPGC has identified several alternatives in its PEA, including the Albrae Terminal Site Alternative, Baylands Terminal Site Alternative, Albrae to Baylands Transmission Line Route Alternative, Newark to Albrae Transmission Line Route Alternative, and Baylands to Northern Receiving Station Transmission Line Route Alternative. These will be considered by the CPUC's environmental review team and potentially carried forward for full analysis in the EIR. Other alternatives may be added to the analysis based on input received during the 30-day scoping period following issuance of this NOP, or by the EIR team to reduce or eliminate potentially significant environmental impacts identified during the EIR process.

Public Resources Code Section 21092.6(a)

Per Public Resources Code Section 21092.6(a), if the Project site or site of any project alternative to be analyzed is a site listed on the "Cortese List" of hazardous waste site, then this information must be included in the NOP. According to LSPGC, pursuant to Government Code Section 65962.5, there are two sites within the Project area that would intersect and are included on the Cortese List of hazardous waste sites – the Cisco Systems Site 6/Syntax Court Disposal Site and the South Bay Asbestos Area (also known as the South Bay Asbestos Superfund Site). The proposed staging areas 10 and 11, as well as an underground portion (approximately 206 linear feet) of the Baylands to NRS transmission line, would be located within the Cisco Systems Site 6. An underground portion of the Baylands to NRS transmission line would be located within the Santos Landfill portion of the South Bay Asbestos Area.

ISSUES THAT WILL NOT BE ADDRESSED IN THE EIR

Non-environmental issues such as economic impacts and assessment of Project need are outside the scope of CEQA and will not be addressed in the EIR, but those issues may be addressed through the CPUC's concurrent proceeding for the Project. The EIR will also not consider electric and magnetic fields (EMFs) that would be generated by the Project in the context of the CEQA analysis of potential environmental

impacts, for two reasons: (1) There is no agreement among scientists that EMFs create a potential health risk; and (2) there are no defined or adopted CEQA standards for defining health risk from EMFs.

PUBLIC SCOPING PERIOD FOR THIS NOTICE OF PREPARATION

Information to be included in the EIR will be based in part on input and comments received during the scoping period. Decision-makers, responsible and trustee agencies under CEQA, property owners, and members of the public will also have an opportunity to comment on the Draft EIR once it is issued. Pursuant to CEQA, the scoping period will be 30 days following the release of this NOP. The scoping period for this Project begins on Monday, July 29, 2024, and closes at 5:00 PM on Friday, August 30, 2024. Please include the name, organization (if applicable), mailing address, and e-mail address of the contact person for all future notifications related to this process. Public comments will become part of the public record and will be published in a Scoping Report.

Please send your comments by mail or e-mail to:

Tommy Alexander, CPUC Project Manager
Power the South Bay Project; Attn. D. Davis
c/o Environmental Science Associates
575 Market Street, Suite 3700, San Francisco, CA 94105;
or via e-mail: PowertheSouthBay@esassoc.com

SCOPING MEETINGS

In order for the public and regulatory agencies to have an opportunity to submit comments on the scope of the EIR for the Project, virtual meetings will be held August 15, 2024, during the NOP scoping period. Information about the virtual meetings is included in the table below. For the first half hour of the meetings, CPUC will host a workshop to explain: a) the CPUC's process for reviewing the application; b) the environmental review process; and c) details on how the public can become involved with each of these processes. Following the workshop, the CPUC will hold the official scoping meeting beginning with a brief presentation providing an overview of the Project and alternatives identified to date. Following this presentation, agencies and the public will have an opportunity to provide verbal comments to inform the scope of the environmental review. Written comments will be accepted throughout the NOP scoping period to the address and/or email provided above. A QR code to join either meeting is also provided.

PUBLIC SCOPING MEETINGS NOTICE

Two Zoom meetings will be held Thursday, August 15, 2024

Meeting Information	**Virtual Meeting No. 1**	**Virtual Meeting No. 2**
Day and Date	Thursday, August 15, 2024	Thursday, August 15, 2024
Time	2:30 to 4:00 p.m.	6:30 to 8:00 p.m.
Attend by	Zoom Link: https://bit.ly/PowertheSouthBay or by phone: (888) 788-0099 Webinar ID: 894 4671 0376	

California Public Utilities Commission
Notice of Preparation (NOP) of an Environmental Impact Report (EIR) and Notice of Scoping Meetings for the LSPGC Power the South Bay Project

Notice is hereby given that the California Public Utilities Commission (CPUC), as lead agency for California Environmental Quality Act (CEQA) review, has released a Notice of Preparation (NOP) of an Environmental Impact Report (EIR) and will be hosting scoping meetings for the proposed Power the South Bay Project (Project). The project proponent, LS Power Grid California (LSPGC), filed a certificate of public convenience and necessity (CPCN) application (A.24-05-014) on May 17th, 2024 with the CPUC for the Project. The Project would be located in the cities of Fremont, Milpitas, San José, and Santa Clara, and within the counties of Alameda and Santa Clara in the South San Francisco Bay region of California. The primary components of the Project include two new high-voltage direct current (HVDC) terminals and associated new transmission lines which would connect the existing Pacific Gas and Electric Company Newark 230 kilovolt (kV) substation and the existing Silicon Valley Power Northern Receiving Station 230 kV substation. The Project was approved by the California Independent System Operator (CAISO) to ensure the reliability of the area's CAISO-controlled grid. As such, the Project's stated purpose is to strengthen the electrical grid in the San Francisco Bay Area.

Pursuant to CEQA, the CPUC is preparing an EIR for the Project and is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed in it. The NOP may be accessed online at the CPUC's website for the Project: https://ia.cpuc.ca.gov/environment/info/esa/psb/index.html.

The NOP is also available for public review by request at the following libraries: Newark Library (37055 Newark Blvd., Newark), Fremont Main Library (2400 Stevenson Blvd., Fremont), Milpitas Library (160 North Main Street, Milpitas), Alviso Library (5050 North First Street, Alviso), Northside Library (695 Moreland Way, Santa Clara), and Joyce Ellington Library (491 East Empire Street, San José). Initiated by the release of the NOP, the 30-day scoping period is from Monday, July 29, 2024 through 5:00 pm on Friday, August 30, 2024. Scoping comments may be submitted in writing during the 30-day scoping period by mail to: Tommy Alexander, CPUC Project Manager; Attn. D. Davis c/o Environmental Science Associates at 575 Market Street, Suite 3700, San Francisco, CA 94105; or by email to PowertheSouthBay@esassoc.com. In order for members of the public and regulatory agencies to have an opportunity to submit verbal comments on the scope of the EIR, two virtual meetings will be held on Thursday, August 15, 2024. One meeting will be from 2:30 to 4:00 p.m. and one will be from 6:30 to 8:00 p.m. The meetings can be accessed via Zoom: https://bit.ly/PowertheSouthBay (the QR code may be used to join either meeting) or by phone at (888) 788-0099. Webinar ID: 894 4671 0376.

Appendix C

Newspaper Notices and County Clerk Postings

California Public Utilities Commission
Notice of Preparation (NOP) of an Environmental Impact Report (EIR) and Notice of Scoping Meetings for the LSPGC Power the South Bay Project

Notice is hereby given that the California Public Utilities Commission (CPUC), as lead agency for California Environmental Quality Act (CEQA) review, has released a Notice of Preparation (NOP) of an Environmental Impact Report (EIR) and will be hosting scoping meetings for the proposed Power the South Bay Project (Project). The project proponent, LS Power Grid California (LSPGC), filed a certificate of public convenience and necessity (CPCN) application (A.24-05-014) on May 17th, 2024 with the CPUC for the Project. The Project would be located in the cities of Fremont, Milpitas, San José, and Santa Clara, and within the counties of Alameda and Santa Clara in the South San Francisco Bay region of California. The primary components of the Project include two new high-voltage direct current (HVDC) terminals and associated new transmission lines which would connect the existing Pacific Gas and Electric Company Newark 230 kilovolt (kV) substation and the existing Silicon Valley Power Northern Receiving Station 230 kV substation. The Project was approved by the California Independent System Operator (CAISO) to ensure the reliability of the area's CAISO-controlled grid. As such, the Project's stated purpose is to strengthen the electrical grid in the San Francisco Bay Area. Pursuant to CEQA, the CPUC is preparing an EIR for the Project and is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed in it. The NOP may be accessed online at the CPUC's website for the Project: https://ia.cpuc.ca.gov/environment/info/esa/psb/index.html. The NOP is also available for public review by request at the following libraries: Newark Library (37055 Newark Blvd., Newark), Fremont Main Library (2400 Stevenson Blvd., Fremont), Milpitas Library (160 North Main Street, Milpitas), Alviso Library (5050 North First Street, Alviso), Northside Library (695 Moreland Way, Santa Clara), and Joyce Ellington Library (491 East Empire Street, San José). Initiated by the release of the NOP, the 30-day scoping period is from Monday, July 29, 2024 through 5:00 pm on Friday, August 30, 2024. Scoping comments may be submitted in writing during the 30-day scoping period by mail to: Tommy Alexander, CPUC Project Manager; Attn. D. Davis c/o Environmental Science Associates at 575 Market Street, Suite 3700, San Francisco, CA 94105; or by email to PowertheSouthBay@esassoc.com. In order for members of the public and regulatory agencies to have an opportunity to submit verbal comments on the scope of the EIR, two virtual meetings will be held on Thursday, August 15, 2024. One meeting will be from 2:30 to 4:00 p.m. and one will be from 6:30 to 8:00 p.m. The meetings can be accessed via Zoom: https://bit.ly/PowertheSouthBay (the QR code may be used to join either meeting) or by phone at (888) 788-0099. Webinar ID: 894 4671 0376.

July 30, 2024

Dear Customer,

California Department of Fish and WIldlife

The following is the proof-of-delivery for tracking number: 777674044214

Delivery Information:

Status:	Delivered	**Delivered To:**	Receptionist/Front Desk
Signed for by:	M.JOHN	**Delivery Location:**	
Service type:	FedEx Priority Overnight		
Special Handling:	Deliver Weekday		FAIRFIELD, CA,
		Delivery date:	Jul 30, 2024 09:31

Shipping Information:

Tracking number:	777674044214	**Ship Date:**	Jul 29, 2024
		Weight:	1.0 LB/0.45 KG

Recipient:	**Shipper:**
FAIRFIELD, CA, US,	SAN FRANCISCO, CA, US,

Reference	D201900517.03, Task 3
Purchase Order	VM

FedEx Express proof-of-delivery details appear below; however, no signature is currently available for this shipment. Please check again later for a signature.

Thank you for choosing FedEx

July 30, 2024

Dear Customer,

Alameda County Clerk-Recorder's Office

The following is the proof-of-delivery for tracking number: 777674111682

Delivery Information:

Status:	Delivered	**Delivered To:**	Receptionist/Front Desk
Signed for by:	G.AYARA	**Delivery Location:**	
Service type:	FedEx Priority Overnight		
Special Handling:	Deliver Weekday		OAKLAND, CA,
		Delivery date:	Jul 30, 2024 10:19

Shipping Information:

Tracking number:	777674111682	**Ship Date:**	Jul 29, 2024
		Weight:	1.0 LB/0.45 KG

Recipient:	**Shipper:**
OAKLAND, CA, US,	SAN FRANCISCO, CA, US,

Reference	D201900517.03, Task 3
Purchase Order	VM

FedEx Express proof-of-delivery details appear below; however, no signature is currently available for this shipment. Please check again later for a signature.

Thank you for choosing FedEx

July 30, 2024

Dear Customer,

Santa Clara County Clerk-Recorder's Office

The following is the proof-of-delivery for tracking number: 777674081723

Delivery Information:

Status:	Delivered	**Delivered To:**	
Signed for by:	Signature release on file	**Delivery Location:**	
Service type:	FedEx Priority Overnight		
Special Handling:	Deliver Weekday		SAN JOSE, CA,
		Delivery date:	Jul 30, 2024 09:19

Shipping Information:

Tracking number:	777674081723	**Ship Date:**	Jul 29, 2024
		Weight:	1.0 LB/0.45 KG

Recipient:	**Shipper:**
SAN JOSE, CA, US,	SAN FRANCISCO, CA, US,

Reference	D201900517.03, Task 3
Purchase Order	VM

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx

Appendix D
Scoping Meeting Presentation

Power the South Bay Project

CEQA Scoping Meeting

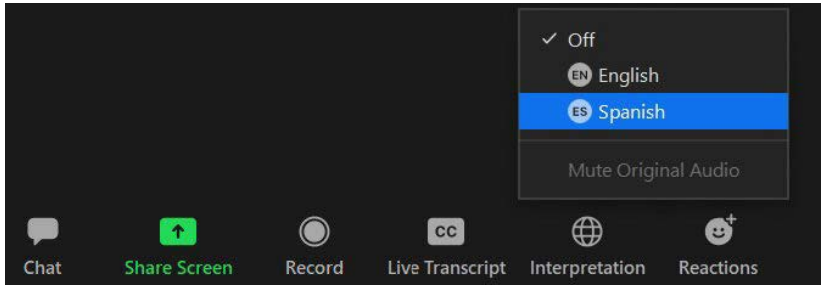
Meeting Information	Virtual Meeting No. 1	Virtual Meeting No. 2
Day and Date	Thursday, August 15, 2024	Thursday, August 15, 2024
Time	2:30 to 4:00 p.m.	6:30 to 8:00 p.m.
Attend by	Zoom Link: https://bit.ly/PowertheSouthBay or by phone: (888) 788-0099 Webinar ID: 894 4671 0376	

CPUC Power the South Bay Project Webpage:
https://ia.cpuc.ca.gov/environment/info/esa/psb/index.html

Select Your Preferred Language / *Seleccione su idioma*

- Click the "**Interpretation**" button and select your preferred language */ Haga clic en el botón "Interpretación y seleccione Español"*
- Click the Interpretation button again and then click "Mute Original Audio" */ Haga clic en el botón Interpretación nuevamente y luego haga clic en "Silenciar audio original"*

This image shows the Spanish interpretation controls for a Zoom meeting.



Scoping Meeting Agenda

- Introductions
- Purpose of the Meeting
- Application and Permitting Process
- Environmental Review Process (CEQA)
- Project Overview
- Scoping: Environmental Impacts and Alternatives
- Public Comments
- Next Steps

Introductions

State Lead Agency (CEQA):
California Public Utilities Commission (CPUC)

- Tommy Alexander, CPUC Project Manager

Consultant: Environmental Science Associates (ESA)

- Dave Davis, ESA Project Manager
- Vince Molina, ESA Deputy Project Manager
- Mike Manka, ESA Project Director

Project Applicant: LS Power Grid California (LSPGC)

Purpose of this Meeting

This image is a clip art image representing people providing input.



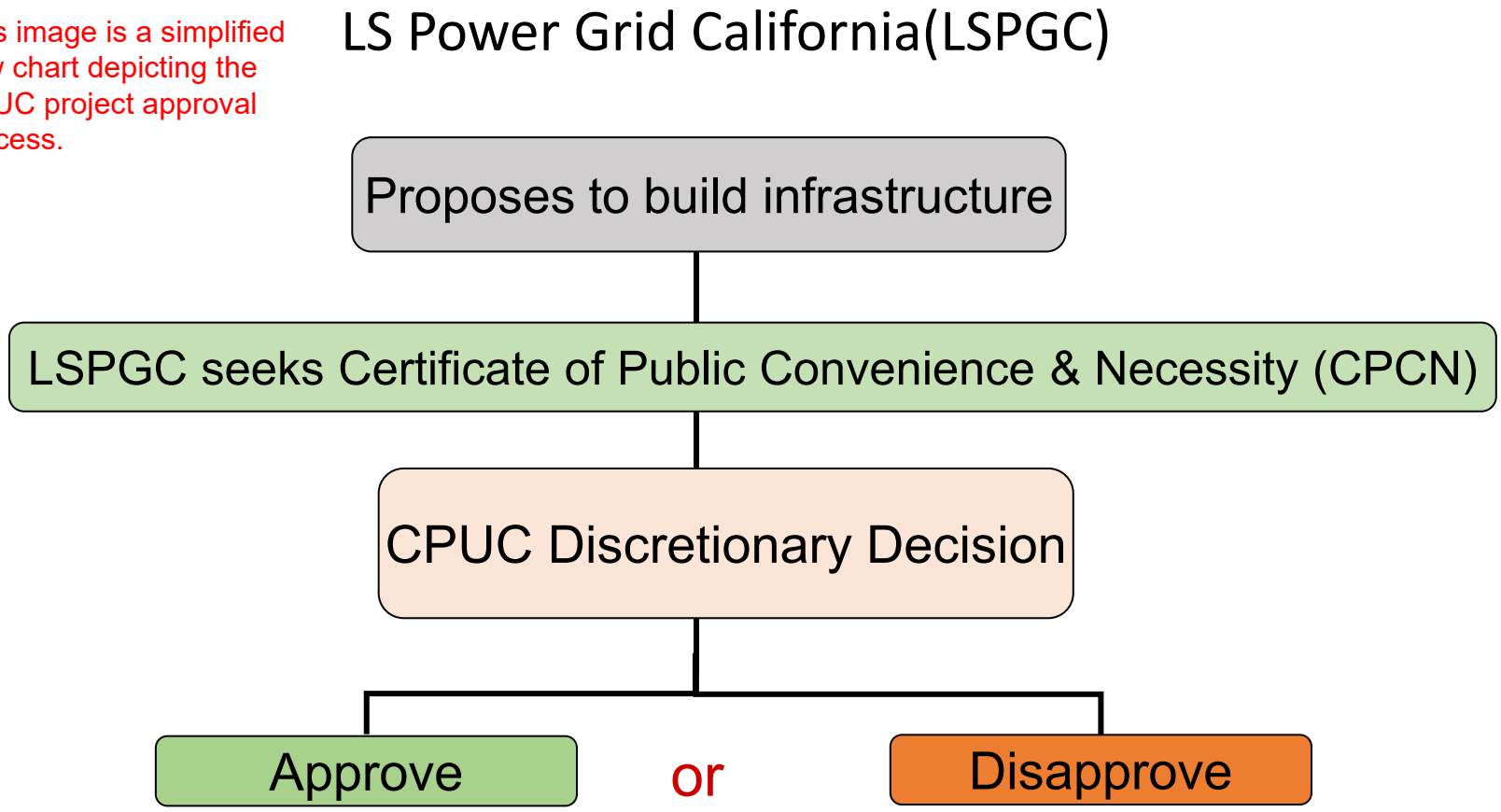
To receive input from the public, agencies, and interested parties to inform the scope and content of the environmental review.
Your ideas are welcome and invited.

What is Scoping?

- Scoping is the process of soliciting public and agency input regarding the scope and content of an EIR in advance of its preparation.
- CPUC is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed in the EIR.

Application Process

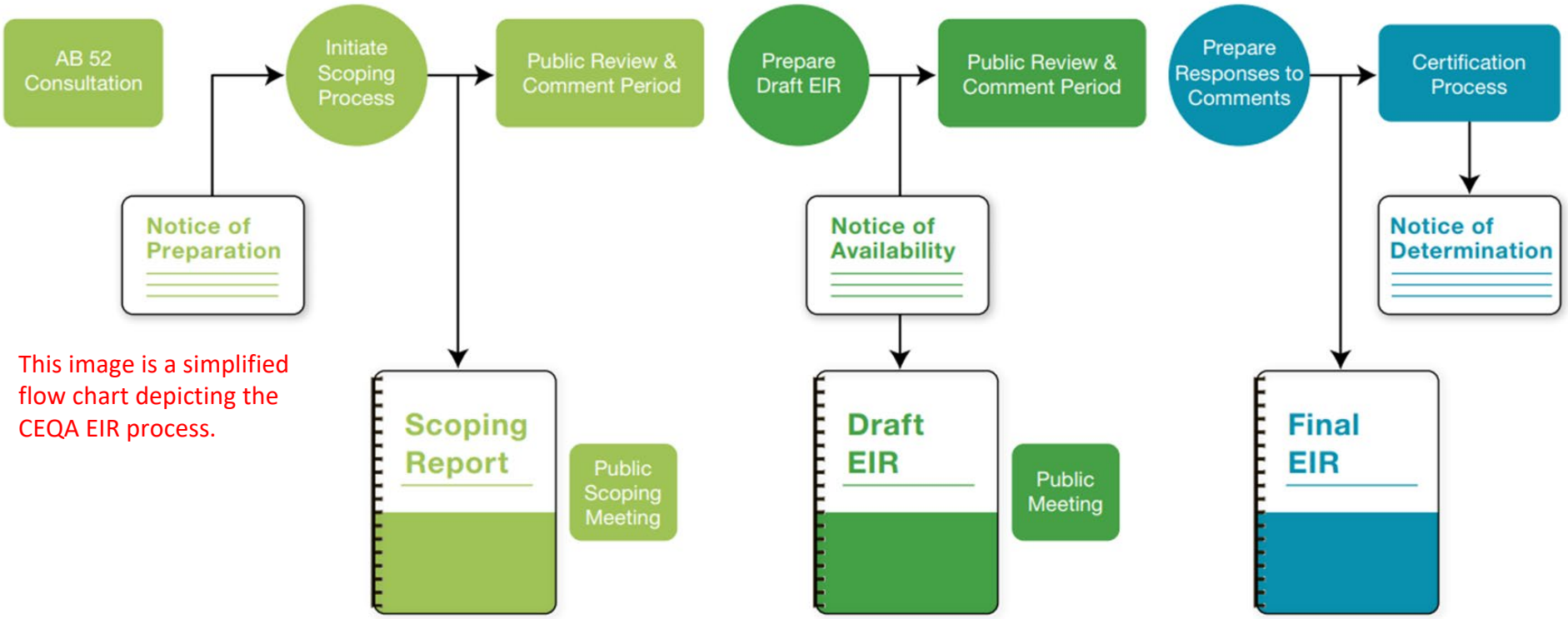
This image is a simplified flow chart depicting the CPUC project approval process.



CEQA Overview

- The California Environmental Quality Act
  - Informs decision makers and the public about the potential significant environmental effects of a proposed project
  - Identifies ways that environmental impact can be avoided or significantly reduced
  - Seeks to prevent significant, avoidable impact to the environment through use of alternatives or mitigation measures
  - Discloses to the public the reasons why a governmental agency approved the project if significant environmental effects are involved
- Focus on physical impacts to the environment

CEQA EIR Process



This image is a simplified flow chart depicting the CEQA EIR process.

CEQA: Project Description

Construction

- What would be built?
- How would the project be built?
  - Construction methodology
  - Equipment required
  - Workers required
- Project schedule - duration/phases



This image shows the Newark Substation site.

Operations

- How would the project be operated?
- Operational personnel required

Maintenance

- How is the project maintained?
- When is maintenance performed?
- Maintenance personnel required

Project Location

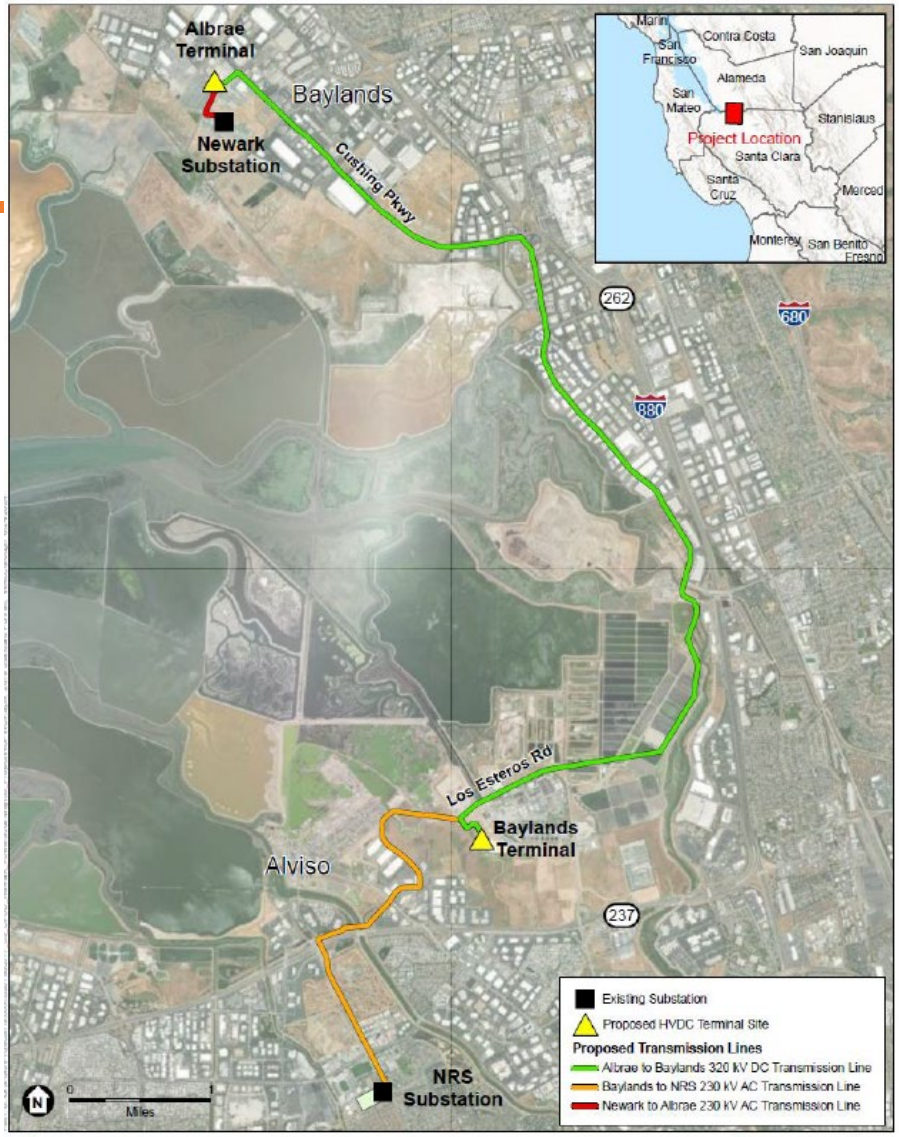
Alameda County

- Newark
- Fremont

Santa Clara County

- Milpitas
- San José
  - Alviso
- Santa Clara

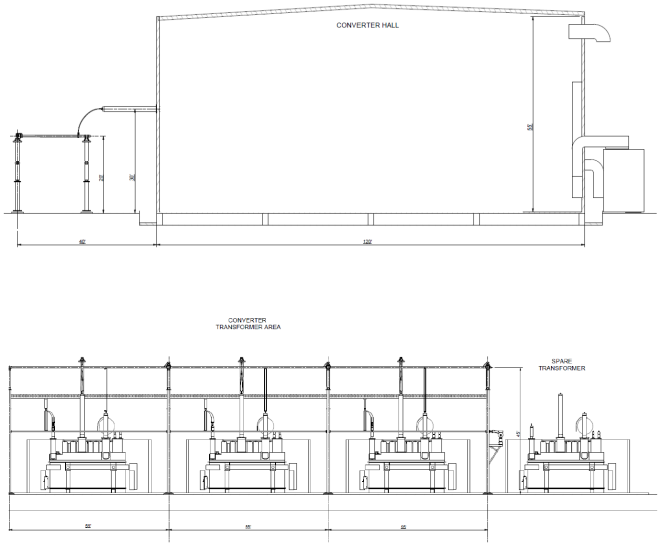
The aerial map shows the location of the Project in Newark, Fremont, Milpitas, San Jose, and Santa Clara, California



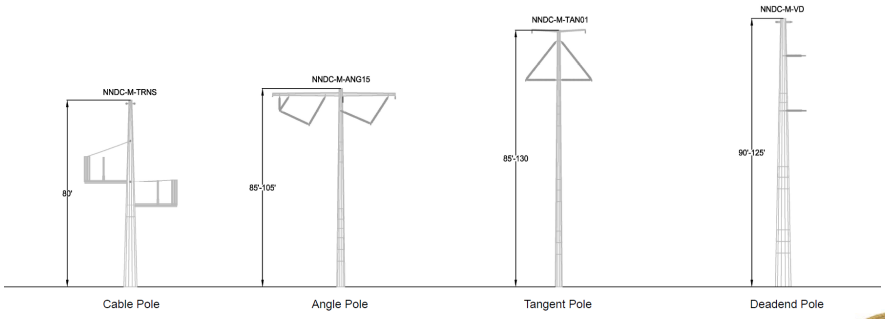
The schematic drawings on this slide show typical configurations of a high voltage direct current terminal site and the overhead transmission line supports.

Project Components

- 2 high-voltage direct current (HVDC) terminals w/ associated transmission lines
- Connect w/ PG&E Newark 230 kV substation & SVP Northern Receiving Station (NRS) 230 kV substation + modifications
- Albrae HVDC converter station terminal at PG&E Newark substation
- Baylands HVDC converter station interconnected with SVP NRS
- ~12.5 miles of 230 kV & 320 kV transmission line, above- & below ground
- 10 trenchless crossings



HVDC Terminal Site Profile



Typical 320 kV DC Overhead Transmission Line Structures

Existing - Albrae Terminal Site



Weber Road – Looking north

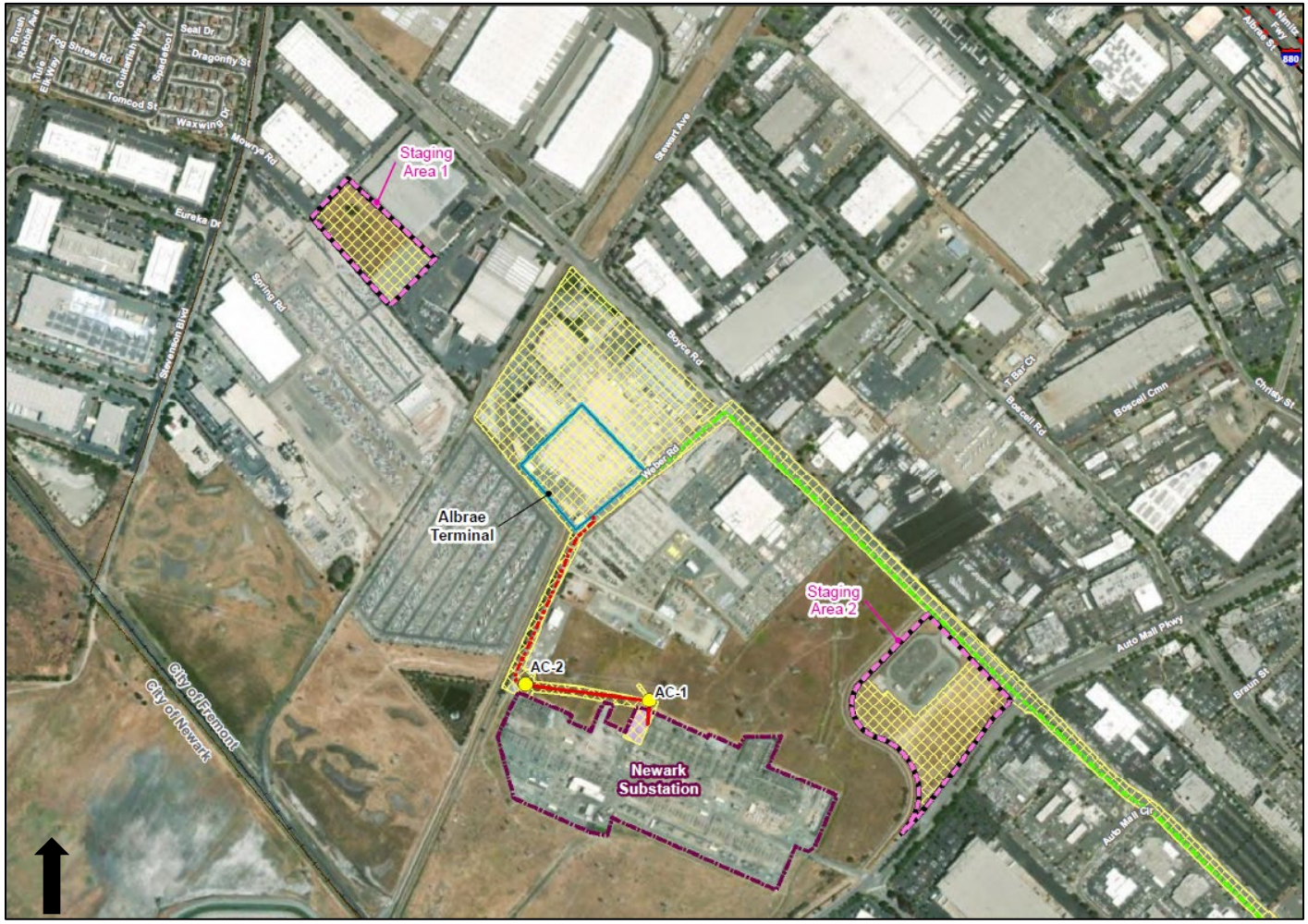
Weber Road – Looking west



Both images are photos of the future Albrae Terminal Site from Weber Road.

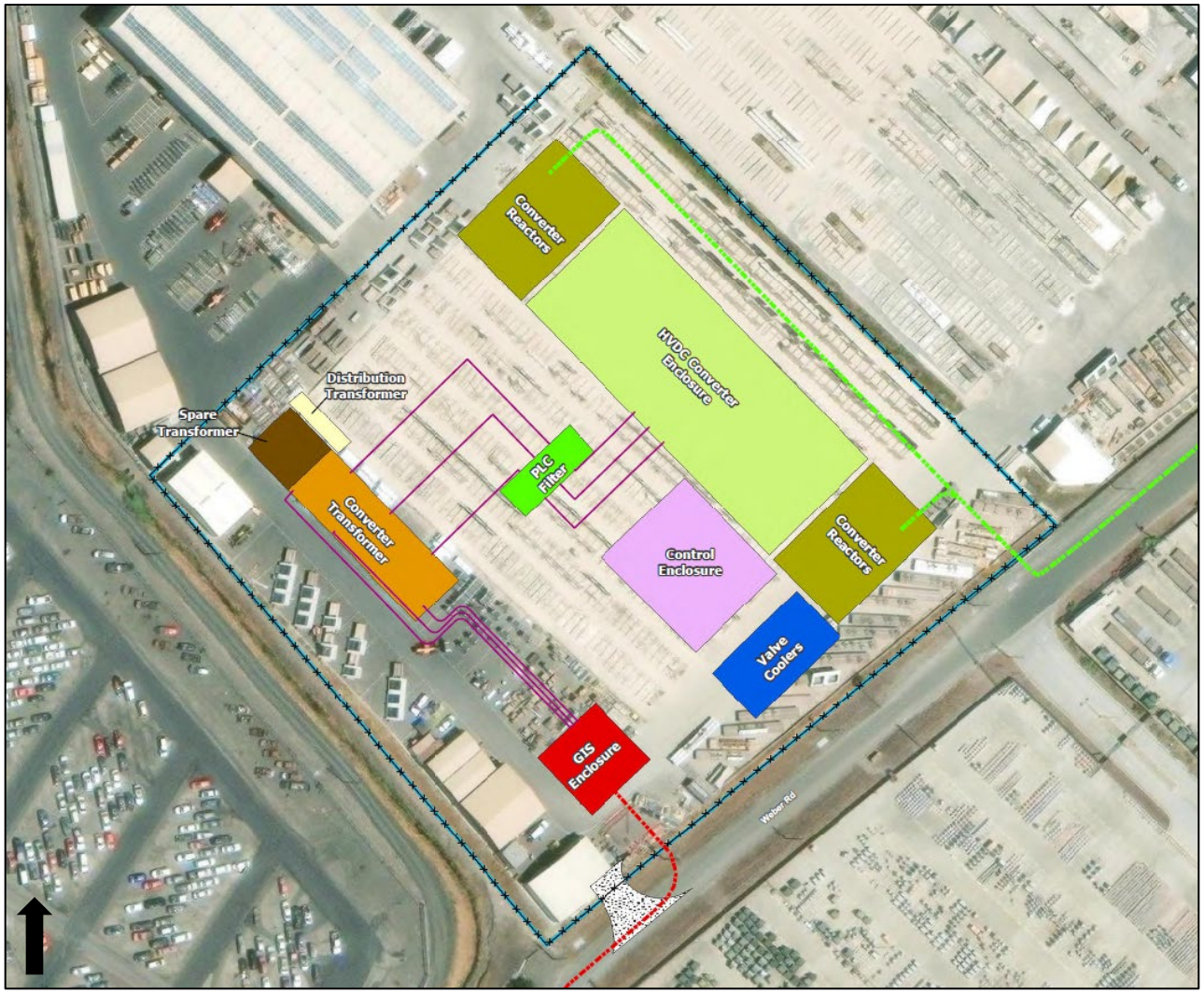
This image is an aerial map showing the locations of the PG&E Newark Substation, future Albrae Terminal site, two staging areas, and construction work areas.

Proposed – Albrae Terminal General Arrangement



This image is an aerial map of the Albrae Terminal site with the project components overlaid showing their location within the site.

Proposed – Albrae Terminal General Arrangement



Existing - Baylands Terminal Site

Both images are from within the future Baylands Terminal site.

Looking north





Looking south/southwest

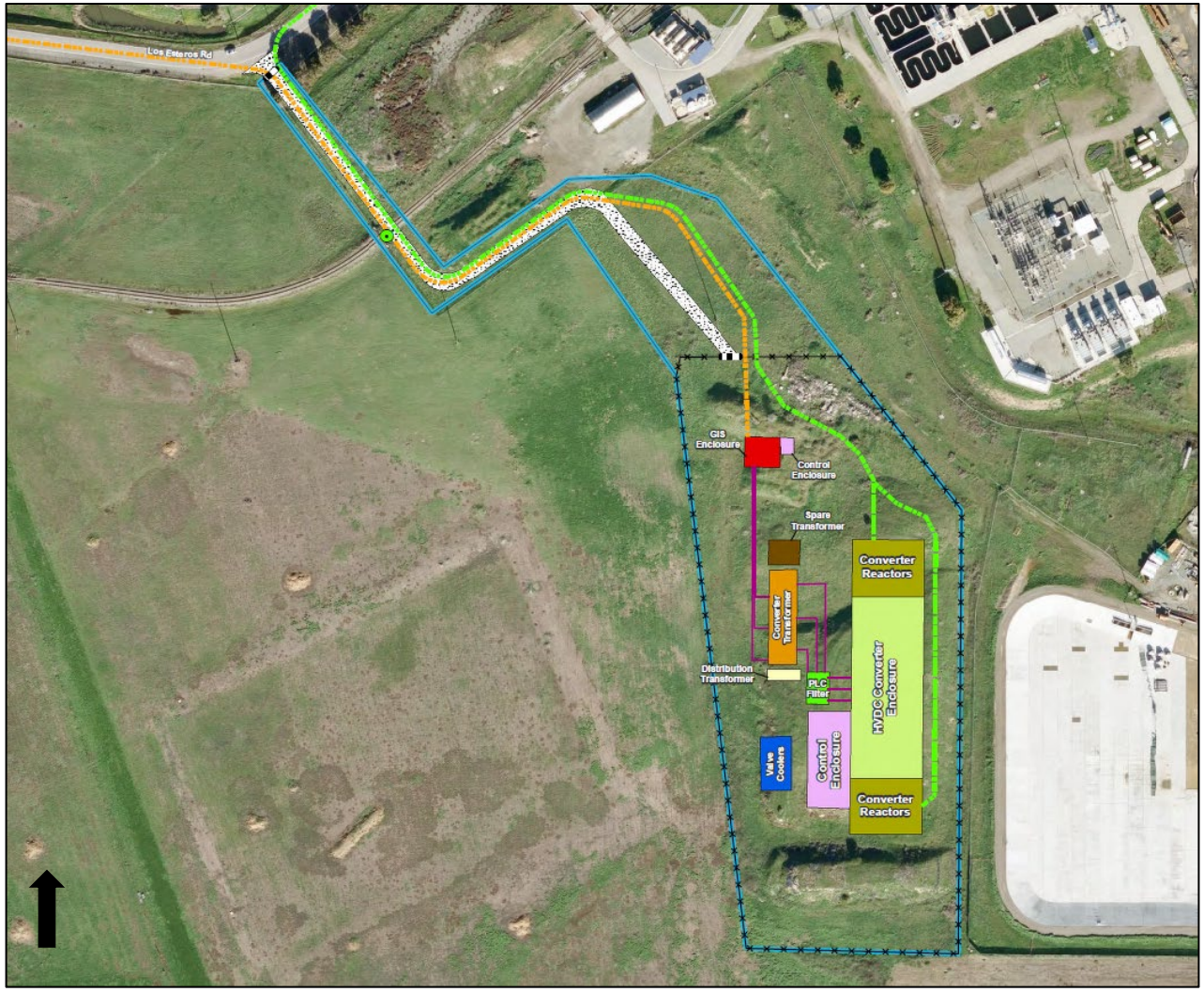
This image is an aerial map showing the locations of the future Baylands Terminal site, three staging areas, transmission pole locations, and construction work areas.

Proposed – Baylands Terminal General Arrangement



This image is an aerial map of the Baylands Terminal site with the project components overlaid showing their location within the site.

Proposed – Baylands Terminal General Arrangement





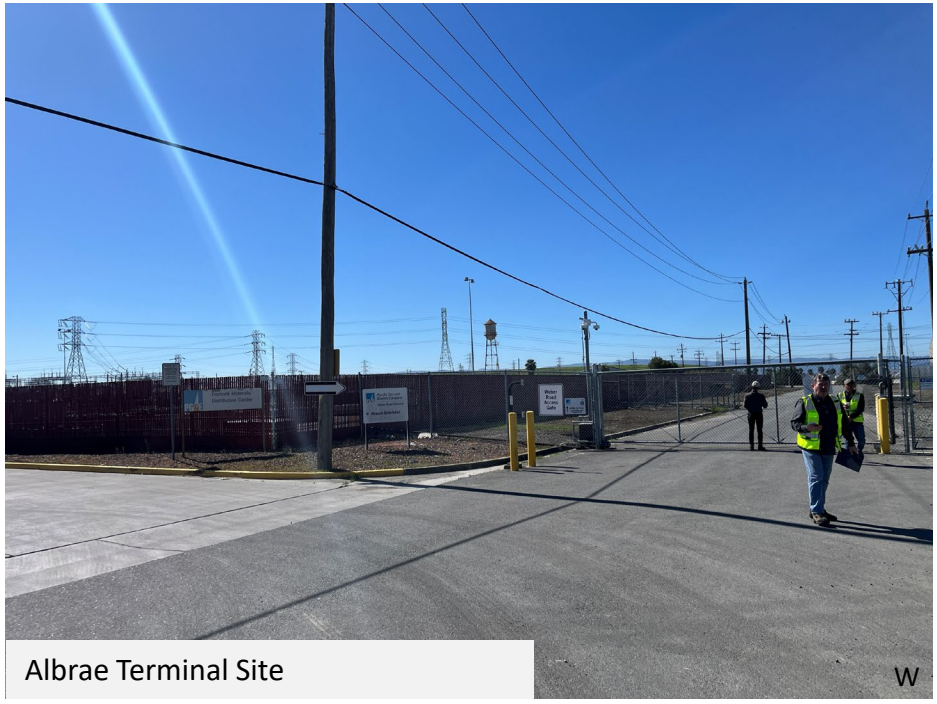
Adjacent to Cushing Parkway bridge

SE



Adjacent to Coyote Creek Lagoon Trail

E



Albrae Terminal Site

W



SVP NRS Receiving Station

W

CEQA: Environmental Resource Areas

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

For Each Resource Area . . .

- Define and Describe Existing Setting
  - Environmental setting
  - Regulatory setting
- Establish Thresholds of Significance
  - What defines a “significant” impact
- Identify Project Impacts and Mitigation
  - CPUC Mitigations
  - Significance after mitigation
- Evaluate Cumulative Impacts
- Impacts of Alternatives

CEQA: Project Alternatives

- Identify a range of reasonable alternatives to avoid or substantially lessen significant effects of the project
- Feasible
  - Legal, regulatory, technical
- Meet most basic project objectives

Project Objectives

LSPGC has identified the following objectives for the Project:

- **Meet the CAISO's reliability-driven need** by addressing multiple near-, mid-, and long-term reliability issues in the existing San José 115 kV system;
- **Meet the technical specifications set forth by CAISO for a Voltage-Sourced Converter (VSC)-HVDC link in the San José area** located near or adjacent to the existing PG&E Newark substation and SVP NRS substation. Adjacency to the existing PG&E Newark and SVP NRS substations would reduce the length of the interconnection (230 kV) transmission lines, thereby reducing the right-of-way requirements and potential for significant environmental impacts;
- **Improve and maintain the reliability of the transmission grid** by providing dynamic reactive power support and increase deliverability of renewable power, by building and operating a facility that would help keep transmission voltages within specified parameters, reduce transmission losses, increase reactive margin for the system bus, increase transmission capacity, provide a higher transient stability limit, increase damping of minor disturbances, and provide greater voltage control and stability;
- **Facilitate deliverability of energy from existing and proposed renewable generation projects** to the Greater Bay Area and corresponding progress toward achieving California's RPS goals in a timely and cost-effective manner by California utilities;
- **Comply with and assist CAISO in meeting applicable Reliability Standards and Criteria** developed by North American Electric Reliability Corporation, Western Electricity Coordinating Council, and CAISO; and,
- **Design and construct the Proposed Project in conformance** with LS Power's standards, the National Electric Safety Code, and other applicable national and state codes and regulations.

Alternatives may include . . .

- Those considered or suggested by:
  - LS Power Grid California
  - Public/Agencies
  - Developed by CEQA team
- Project Alternatives:
  - Locations
  - Routes
  - Technology (e.g., underground lines)
  - Others?
- “No Project” alternative

To Get Involved in the CEQA Process

- You're on the right track!
  - Please stay on and provide your scoping input
- Scoping Process
  - Notice of Preparation sent on July 29, 2024
  - Scoping Period closes on August 30, 2024, at 5:00 p.m.
  - How to comment:
    - Verbally at this Scoping Meeting and/or by submitting a Comment Letter via Mail or E-mail
- Draft EIR
  - Anticipated release is April 2025

CPUC Project Webpage:

https://ia.cpuc.ca.gov/environment/info/esa/psb/index.html

How to Submit a Scoping Comment

Public Comment Mailing Address:

Tommy Alexander, CPUC Project Manager

c/o Environmental Science Associates, Attn. D. Davis

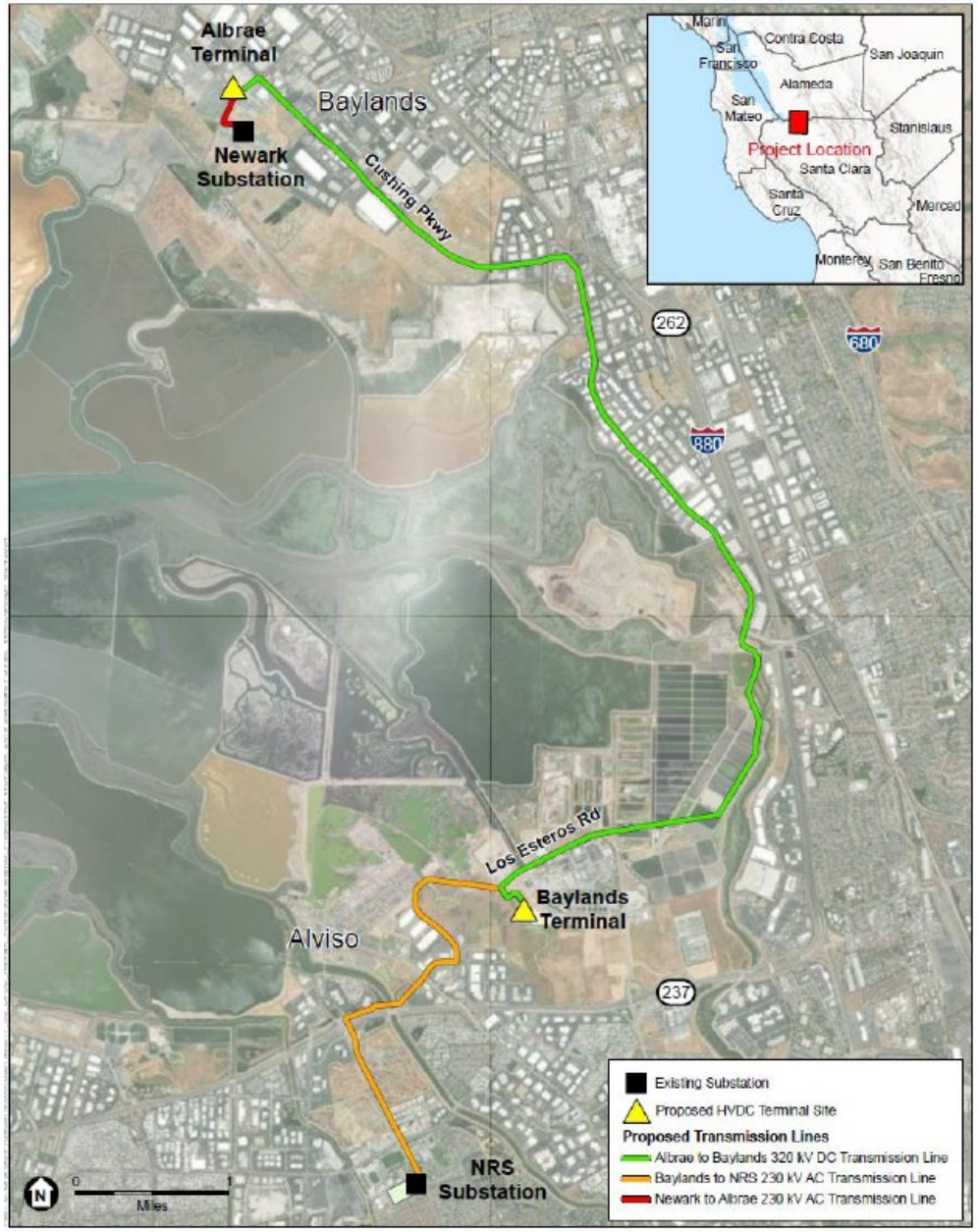
575 Market Street, Suite 3700, San Francisco, CA 94105

E-mail: PowertheSouthBay@esassoc.com

Scoping Comment Deadline: (5 p.m.) August 30, 2024

Public Comments

The aerial map shows the location of the Project in Newark, Fremont, Milpitas, San Jose, and Santa Clara, California



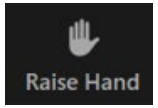
Discussion Guidelines

- Be concise
- Stay on topic
- Respect others' opinions
- Comments will be recorded
- Written comments are encouraged

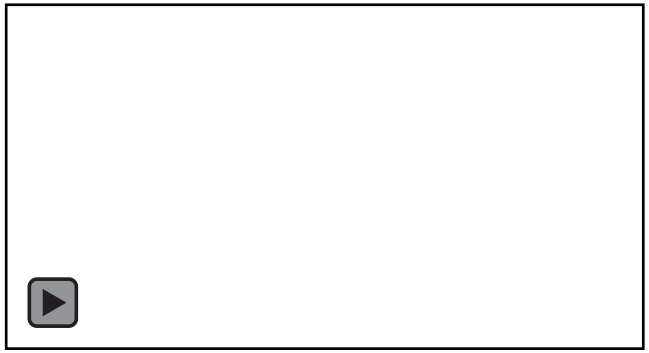
Public Comments

Via the Zoom Platform

- Click the “Raise Hand” icon to be called on
- Submit comments in the Q&A box







By Telephone

- Dial *9 to request to raise hand

Thank you for joining!

Mailing Address:

Tommy Alexander, CPUC Project Manager

c/o Environmental Science Associates, Attn. D. Davis

575 Market Street, Suite 3700, San Francisco, CA 94105

E-mail: PowertheSouthBay@esassoc.com

Scoping comments will be accepted through August 30, 2024

Webpage: https://ia.cpuc.ca.gov/environment/info/esa/psb/index.html

Appendix E
Scoping Meeting Transcripts

Thursday, August 15th – 2:30 PM

1
00:00:03.800 --> 00:00:04.510
Tommy Alexander: Huh!

2
00:00:25.360 --> 00:00:27.229
Tommy Alexander: Hi, everyone! Thanks for joining.

3
00:00:27.510 --> 00:00:32.259
Tommy Alexander: We're gonna wait just a couple of minutes for more pan participants to join.

4
00:00:32.290 --> 00:00:36.059
Tommy Alexander: and then we'll get started once we're a few minutes past the hour.

5
00:00:50.350 --> 00:00:52.450
INTÉRPRETE-ESPAÑOL (Ezequiel): The Pacela Media.

6
00:02:03.540 --> 00:02:07.569
Tommy Alexander: Okay, it's now 2, 33. So I'm going to get started.

7
00:02:14.820 --> 00:02:20.869
Tommy Alexander: Hello, everyone, and welcome to the California Environmental Quality Act or Ceqa scoping meeting

8
00:02:20.920 --> 00:02:25.289
Tommy Alexander: for the power of the South Bay project proposed by Ls power grid, California.

9
00:02:33.110 --> 00:02:35.779
INTÉRPRETE-ESPAÑOL (Ezequiel): The California Sequo.

10
00:02:42.910 --> 00:02:44.449
INTÉRPRETE-ESPAÑOL (Ezequiel): Elia power, Grid.

11
00:02:45.940 --> 00:02:52.130
Tommy Alexander: I'm Tommy Alexander, the project manager for the California Public Utilities Commission or Cpuc.

12
00:02:53.040 --> 00:02:54.510

INTÉRPRETE-ESPAÑOL (Ezequiel): Sorry, Tommy Alexander.

13
00:03:04.000 --> 00:03:06.650
Tommy Alexander: Thank you everyone for taking the time to join us today.

14
00:03:11.650 --> 00:03:17.719
Tommy Alexander: This is the 1st of 2 virtual scoping meetings we're holding today to receive public comments on this project.

15
00:03:28.930 --> 00:03:34.250
Tommy Alexander: On the next few slides I'll introduce the agenda presenters and purpose for the meeting.

16
00:03:39.210 --> 00:03:41.170
INTÉRPRETE-ESPAÑOL (Ezequiel): A los presentables.

17
00:03:42.250 --> 00:03:43.130
Tommy Alexander: Next slide.

18
00:03:45.960 --> 00:03:49.269
Tommy Alexander: First, st everyone will need to select their preferred language.

19
00:03:51.000 --> 00:03:55.300
INTÉRPRETE-ESPAÑOL (Ezequiel): Primero.

20
00:03:56.310 --> 00:04:00.790
Tommy Alexander: We are offering the option to participate in either English or Spanish today.

21
00:04:01.650 --> 00:04:06.300
INTÉRPRETE-ESPAÑOL (Ezequiel): In English, or in Espanol.

22
00:04:07.470 --> 00:04:12.260
Tommy Alexander: On this slide. I'll explain how you can select a language by following the steps on the screen.

23
00:04:13.710 --> 00:04:21.630
INTÉRPRETE-ESPAÑOL (Ezequiel): That's why I am doing.

24
00:04:23.650 --> 00:04:31.100

Tommy Alexander: 1st click the interpretation button at the bottom of your screen, and select your preferred language, either English or Spanish.

25
00:04:40.450 --> 00:04:42.640
INTÉRPRETE-ESPAÑOL (Ezequiel): English or Espanio.

26
00:04:45.080 --> 00:04:53.009
Tommy Alexander: Then, once you've selected your preferred language, please click the interpretation button again, and then click mute, original audio.

27
00:05:09.370 --> 00:05:13.699
Tommy Alexander: Please follow these steps, even if you plan to continue listening to the meeting in English.

28
00:05:22.560 --> 00:05:25.830
Tommy Alexander: I'll I'll wait a minute for everyone to follow the steps on the screen.

29
00:05:59.390 --> 00:06:00.310
Tommy Alexander: Okay.

30
00:06:00.960 --> 00:06:02.479
Tommy Alexander: now you should be in the room with your.

31
00:06:02.480 --> 00:06:02.870
INTÉRPRETE-ESPAÑOL (Ezequiel): Selected.

32
00:06:02.870 --> 00:06:05.279
Tommy Alexander: Language, either English or Spanish.

33
00:06:10.020 --> 00:06:11.880
Tommy Alexander: Please make sure that you selected mute or.

34
00:06:11.880 --> 00:06:12.210
INTÉRPRETE-ESPAÑOL (Ezequiel): Original.

35
00:06:12.210 --> 00:06:12.640
Tommy Alexander: Audio.

36
00:06:14.290 --> 00:06:14.920

INTÉRPRETE-ESPAÑOL (Ezequiel): Everything.

37
00:06:14.920 --> 00:06:16.130
Tommy Alexander: U.S.A. And the English Channel.

38
00:06:16.130 --> 00:06:16.929
INTÉRPRETE-ESPAÑOL (Ezequiel): Will be.

39
00:06:16.930 --> 00:06:18.649
Tommy Alexander: Translated in real time in the.

40
00:06:18.650 --> 00:06:19.630
INTÉRPRETE-ESPAÑOL (Ezequiel): Spanish Channel.

41
00:06:22.000 --> 00:06:22.420
Tommy Alexander: You're still.

42
00:06:22.420 --> 00:06:23.600
INTÉRPRETE-ESPAÑOL (Ezequiel): Experiencing difficulty.

43
00:06:23.600 --> 00:06:24.980
Tommy Alexander: Please feel free to like.

44
00:06:24.980 --> 00:06:27.990
INTÉRPRETE-ESPAÑOL (Ezequiel): Us know, via the QA. Button at the bottom of the.

45
00:06:27.990 --> 00:06:28.610
Tommy Alexander: Screen

46
00:06:31.780 --> 00:06:32.799
Tommy Alexander: next slide.

47
00:06:36.280 --> 00:06:37.889
Tommy Alexander: This is the agenda for today's.

48
00:06:37.890 --> 00:06:38.600
INTÉRPRETE-ESPAÑOL (Ezequiel): Meetings.

49
00:06:39.030 --> 00:06:43.640

Tommy Alexander: We'll start with brief introductions. Then we'll discuss the purpose of the meeting

50
00:06:43.740 --> 00:06:46.329
Tommy Alexander: the application and permitting process.

51
00:06:46.570 --> 00:06:49.140
Tommy Alexander: the environmental review process pursuant to.

52
00:06:49.140 --> 00:06:49.910
INTÉRPRETE-ESPAÑOL (Ezequiel): Ceqa.

53
00:06:50.830 --> 00:06:51.900
Tommy Alexander: An overview of the person.

54
00:06:51.900 --> 00:06:54.689
INTÉRPRETE-ESPAÑOL (Ezequiel): Project and an overview of the scoping.

55
00:06:54.690 --> 00:06:55.860
Tommy Alexander: Process, environment.

56
00:06:55.860 --> 00:06:57.010
INTÉRPRETE-ESPAÑOL (Ezequiel): Mental impacts. And I'll.

57
00:06:57.010 --> 00:06:57.880
Tommy Alexander: Alternatives.

58
00:06:59.850 --> 00:07:03.129
Tommy Alexander: Then we'll have time at the end for anyone who would like to provide verbal.

59
00:07:03.130 --> 00:07:04.419
INTÉRPRETE-ESPAÑOL (Ezequiel): And we'll.

60
00:07:04.420 --> 00:07:05.070
Tommy Alexander: Plane, other.

61
00:07:05.070 --> 00:07:05.600
INTÉRPRETE-ESPAÑOL (Ezequiel): Ways you can.

62
00:07:05.600 --> 00:07:06.130

Tommy Alexander: Participate.

63
00:07:06.130 --> 00:07:07.550
INTÉRPRETE-ESPAÑOL (Ezequiel): In the secret process.

64
00:07:08.380 --> 00:07:09.350
INTÉRPRETE-ESPAÑOL (Ezequiel): Next slide.

65
00:07:13.660 --> 00:07:16.480
Tommy Alexander: As I mentioned earlier. I'm Tommy Alexander, the.

66
00:07:16.480 --> 00:07:17.559
INTÉRPRETE-ESPAÑOL (Ezequiel): Project manager for the.

67
00:07:17.560 --> 00:07:18.190
Tommy Alexander: California.

68
00:07:18.190 --> 00:07:18.580
INTÉRPRETE-ESPAÑOL (Ezequiel): What you do.

69
00:07:18.580 --> 00:07:19.190
Tommy Alexander: Committees, Commission.

70
00:07:19.190 --> 00:07:20.740
INTÉRPRETE-ESPAÑOL (Ezequiel): Or Cpuc.

71
00:07:22.070 --> 00:07:23.190
Tommy Alexander: Do you see? Is the state.

72
00:07:23.190 --> 00:07:24.070
INTÉRPRETE-ESPAÑOL (Ezequiel): Lead agency.

73
00:07:24.070 --> 00:07:25.079
Tommy Alexander: For the environmental.

74
00:07:25.080 --> 00:07:25.630
INTÉRPRETE-ESPAÑOL (Ezequiel): View, proud.

75
00:07:25.630 --> 00:07:27.910
Tommy Alexander: Pursuant to the California environment.

76
00:07:28.230 --> 00:07:28.660
Tommy Alexander: The act.

77
00:07:28.660 --> 00:07:29.840
INTÉRPRETE-ESPAÑOL (Ezequiel): Or Ceqa.

78
00:07:31.520 --> 00:07:33.529
Tommy Alexander: I'm joined here today by several representatives.

79
00:07:33.530 --> 00:07:33.880
INTÉRPRETE-ESPAÑOL (Ezequiel): For.

80
00:07:33.880 --> 00:07:36.950
Tommy Alexander: The Cpuc is consulting firm environmental science, associate.

81
00:07:36.950 --> 00:07:38.600
INTÉRPRETE-ESPAÑOL (Ezequiel): It's or Esa.

82
00:07:40.260 --> 00:07:42.439
Tommy Alexander: Esa is supporting the Cpc. And can.

83
00:07:42.440 --> 00:07:44.340
INTÉRPRETE-ESPAÑOL (Ezequiel): Affecting the Environmental review and.

84
00:07:44.340 --> 00:07:44.800
Tommy Alexander: Including the.

85
00:07:44.800 --> 00:07:45.260
INTÉRPRETE-ESPAÑOL (Ezequiel): Public.

86
00:07:45.260 --> 00:07:47.250
Tommy Alexander: Participation process and the preparation.

87
00:07:47.250 --> 00:07:48.579
INTÉRPRETE-ESPAÑOL (Ezequiel): Of the secret document.

88
00:07:50.010 --> 00:07:50.420
Tommy Alexander: David.

89

00:07:50.420 --> 00:07:50.960
INTÉRPRETE-ESPAÑOL (Ezequiel): Is, the.

90
00:07:50.960 --> 00:07:51.680
Tommy Alexander: Essay, project.

91
00:07:51.680 --> 00:07:52.450
INTÉRPRETE-ESPAÑOL (Ezequiel): Manager.

92
00:07:52.920 --> 00:07:54.820
INTÉRPRETE-ESPAÑOL (Ezequiel): Vince Molina is the.

93
00:07:54.820 --> 00:07:55.760
Tommy Alexander: Esa deputy.

94
00:07:55.760 --> 00:07:56.780
INTÉRPRETE-ESPAÑOL (Ezequiel): Project manager.

95
00:07:56.910 --> 00:07:58.770
INTÉRPRETE-ESPAÑOL (Ezequiel): and Mike Manka is the.

96
00:07:58.770 --> 00:07:59.200
Tommy Alexander: Yes, they.

97
00:07:59.200 --> 00:08:00.290
INTÉRPRETE-ESPAÑOL (Ezequiel): Project director.

98
00:08:01.710 --> 00:08:02.860
Tommy Alexander: We also have zoom.

99
00:08:02.860 --> 00:08:03.480
INTÉRPRETE-ESPAÑOL (Ezequiel): Cursey!

100
00:08:03.480 --> 00:08:04.760
Tommy Alexander: Our interpreter.

101
00:08:04.990 --> 00:08:07.740
INTÉRPRETE-ESPAÑOL (Ezequiel): And we have Steven Johnson from Esa, who.

102
00:08:07.740 --> 00:08:10.210
Tommy Alexander: On to help with Q. And a questions and.

103
00:08:10.210 --> 00:08:11.320
INTÉRPRETE-ESPAÑOL (Ezequiel): Technical issues.

104
00:08:13.180 --> 00:08:16.799
Tommy Alexander: As a reminder. The the applicant for the power of the South Bay Project is.

105
00:08:16.800 --> 00:08:17.140
INTÉRPRETE-ESPAÑOL (Ezequiel): Less power.

106
00:08:17.140 --> 00:08:18.909
Tommy Alexander: Grid, California, or Ls.

107
00:08:18.910 --> 00:08:19.640
INTÉRPRETE-ESPAÑOL (Ezequiel): Power.

108
00:08:19.980 --> 00:08:20.579
INTÉRPRETE-ESPAÑOL (Ezequiel): We'll talk.

109
00:08:20.580 --> 00:08:20.970
Tommy Alexander: More, in.

110
00:08:20.970 --> 00:08:21.360
INTÉRPRETE-ESPAÑOL (Ezequiel): Later, so.

111
00:08:21.360 --> 00:08:22.010
Tommy Alexander: Add Sebastian.

112
00:08:22.010 --> 00:08:24.390
INTÉRPRETE-ESPAÑOL (Ezequiel): The Cpc's application process and.

113
00:08:24.390 --> 00:08:24.970
Tommy Alexander: And secret.

114
00:08:24.970 --> 00:08:25.700
INTÉRPRETE-ESPAÑOL (Ezequiel): Access

115
00:08:26.950 --> 00:08:27.950
INTÉRPRETE-ESPAÑOL (Ezequiel): next slide.

116
00:08:32.100 --> 00:08:33.500
Tommy Alexander: The purpose of the scoping meeting.

117
00:08:33.500 --> 00:08:33.909
INTÉRPRETE-ESPAÑOL (Ezequiel): Is tourist.

118
00:08:33.919 --> 00:08:34.979
Tommy Alexander: See if input from members.

119
00:08:34.980 --> 00:08:35.320
INTÉRPRETE-ESPAÑOL (Ezequiel): Of the.

120
00:08:35.320 --> 00:08:36.730
Tommy Alexander: Public government, agency.

121
00:08:36.730 --> 00:08:37.150
INTÉRPRETE-ESPAÑOL (Ezequiel): Is.

122
00:08:37.150 --> 00:08:37.820
Tommy Alexander: And other, and.

123
00:08:37.820 --> 00:08:38.159
INTÉRPRETE-ESPAÑOL (Ezequiel): Estimated.

124
00:08:38.169 --> 00:08:40.489
Tommy Alexander: Parties to inform the scope and content.

125
00:08:40.490 --> 00:08:41.399
INTÉRPRETE-ESPAÑOL (Ezequiel): Of the environment.

126
00:08:41.400 --> 00:08:42.150
Tommy Alexander: Review.

127
00:08:42.760 --> 00:08:44.810
Tommy Alexander: Your ideas are welcome and invited.

128
00:08:44.810 --> 00:08:45.460
INTÉRPRETE-ESPAÑOL (Ezequiel): And.

129
00:08:46.160 --> 00:08:48.080

Tommy Alexander: You'll have the option to provide verbal comment.

130
00:08:48.080 --> 00:08:49.919
INTÉRPRETE-ESPAÑOL (Ezequiel): At the end of this presentation.

131
00:08:49.920 --> 00:08:51.910
Tommy Alexander: And we'll also explain options for.

132
00:08:51.910 --> 00:08:53.240
INTÉRPRETE-ESPAÑOL (Ezequiel): Adding written comments.

133
00:08:53.810 --> 00:08:54.460
Tommy Alexander: For now.

134
00:08:54.460 --> 00:08:54.840
INTÉRPRETE-ESPAÑOL (Ezequiel): I'm going.

135
00:08:54.840 --> 00:08:55.290
Tommy Alexander: Handed her.

136
00:08:55.290 --> 00:08:56.320
INTÉRPRETE-ESPAÑOL (Ezequiel): Over to Dave.

137
00:08:56.320 --> 00:08:58.140
Tommy Alexander: To discuss how the scoping meeting fits.

138
00:08:58.140 --> 00:09:00.919
INTÉRPRETE-ESPAÑOL (Ezequiel): Send to the project review and Ceqa.
Process

139
00:09:01.380 --> 00:09:02.340
INTÉRPRETE-ESPAÑOL (Ezequiel): next slide.

140
00:09:06.370 --> 00:09:07.690
Dave Davis: Well, thanks Tommy.

141
00:09:07.690 --> 00:09:08.649
INTÉRPRETE-ESPAÑOL (Ezequiel): And good news.

142
00:09:09.150 --> 00:09:13.500
Dave Davis: And everyone, I'm going to walk us through a very high level.

143
00:09:13.510 --> 00:09:15.730
INTÉRPRETE-ESPAÑOL (Ezequiel): Review of what the SQL. Process.

144
00:09:15.730 --> 00:09:16.880
Dave Davis: As is

145
00:09:17.060 --> 00:09:19.250
Dave Davis: the initial step in the Eir.

146
00:09:19.250 --> 00:09:22.259
INTÉRPRETE-ESPAÑOL (Ezequiel): Process under Ceqa involves scoping, which is.

147
00:09:22.260 --> 00:09:26.469
Dave Davis: What we're doing today with this meeting. And then the following meeting, later.

148
00:09:26.470 --> 00:09:27.320
INTÉRPRETE-ESPAÑOL (Ezequiel): Today.

149
00:09:27.733 --> 00:09:28.560
Dave Davis: We're also.

150
00:09:28.560 --> 00:09:29.360
INTÉRPRETE-ESPAÑOL (Ezequiel): So in.

151
00:09:29.360 --> 00:09:31.789
Dave Davis: Midst of the notice of preparation.

152
00:09:31.790 --> 00:09:32.369
INTÉRPRETE-ESPAÑOL (Ezequiel): Who are.

153
00:09:32.370 --> 00:09:33.010
Dave Davis: Scoping.

154
00:09:33.050 --> 00:09:34.090
INTÉRPRETE-ESPAÑOL (Ezequiel): Period.

155
00:09:35.220 --> 00:09:35.940
INTÉRPRETE-ESPAÑOL (Ezequiel): For the.

156
00:09:35.940 --> 00:09:36.340
Dave Davis: Yeah.

157
00:09:36.340 --> 00:09:36.960
INTÉRPRETE-ESPAÑOL (Ezequiel): Are, which.

158
00:09:36.960 --> 00:09:38.040
Dave Davis: Commenced on July.

159
00:09:38.040 --> 00:09:38.610
INTÉRPRETE-ESPAÑOL (Ezequiel): 29.

160
00:09:38.610 --> 00:09:39.100
Dave Davis: Said, well.

161
00:09:39.100 --> 00:09:39.550
INTÉRPRETE-ESPAÑOL (Ezequiel): And.

162
00:09:39.550 --> 00:09:41.079
Dave Davis: On August 30.th

163
00:09:43.030 --> 00:09:43.910
Dave Davis: So what is scope?

164
00:09:43.910 --> 00:09:44.830
INTÉRPRETE-ESPAÑOL (Ezequiel): Scoping and.

165
00:09:44.830 --> 00:09:46.090
Dave Davis: Process of.

166
00:09:46.180 --> 00:09:47.489
INTÉRPRETE-ESPAÑOL (Ezequiel): The the Lead Agency.

167
00:09:47.490 --> 00:09:52.379
Dave Davis: Cpuc and our team to request and take in.

168
00:09:52.590 --> 00:09:53.250
INTÉRPRETE-ESPAÑOL (Ezequiel): Public.

169

00:09:53.250 --> 00:09:54.650
Dave Davis: And agency.

170
00:09:54.650 --> 00:09:55.080
INTÉRPRETE-ESPAÑOL (Ezequiel): See them.

171
00:09:55.442 --> 00:09:57.620
Dave Davis: Regarding the scope and the content.

172
00:09:57.690 --> 00:09:58.400
INTÉRPRETE-ESPAÑOL (Ezequiel): Of.

173
00:09:58.400 --> 00:09:58.830
Dave Davis: Yeah.

174
00:09:58.830 --> 00:10:01.210
INTÉRPRETE-ESPAÑOL (Ezequiel): Ir. In advance of this.

175
00:10:01.210 --> 00:10:05.870
Dave Davis: Preparation. It gives us an idea of what we should look for. That's outside.

176
00:10:05.870 --> 00:10:06.430
INTÉRPRETE-ESPAÑOL (Ezequiel): Like.

177
00:10:06.430 --> 00:10:08.859
Dave Davis: The initial study checklist that.

178
00:10:08.860 --> 00:10:09.730
INTÉRPRETE-ESPAÑOL (Ezequiel): Is appended.

179
00:10:09.730 --> 00:10:11.380
Dave Davis: To Ceqa.

180
00:10:12.760 --> 00:10:18.489
Dave Davis: So to that end Cpuc is requesting comments from you.

181
00:10:18.630 --> 00:10:19.820
INTÉRPRETE-ESPAÑOL (Ezequiel): Today or.

182
00:10:19.820 --> 00:10:22.340

Dave Davis: Through August 30, to inform.

183
00:10:22.340 --> 00:10:23.390
INTÉRPRETE-ESPAÑOL (Ezequiel): The scope and the content.

184
00:10:23.390 --> 00:10:24.370
Dave Davis: And of this.

185
00:10:24.805 --> 00:10:26.109
INTÉRPRETE-ESPAÑOL (Ezequiel): Eir to help.

186
00:10:26.110 --> 00:10:26.950
Dave Davis: Identified.

187
00:10:26.950 --> 00:10:28.390
INTÉRPRETE-ESPAÑOL (Ezequiel): Actions, all.

188
00:10:28.390 --> 00:10:31.809
Dave Davis: Alternatives, environmental effects, mitigation measures.

189
00:10:31.810 --> 00:10:32.370
INTÉRPRETE-ESPAÑOL (Ezequiel): There's.

190
00:10:32.500 --> 00:10:33.090
Dave Davis: That.

191
00:10:33.510 --> 00:10:35.609
INTÉRPRETE-ESPAÑOL (Ezequiel): Be analyzed in the eir

192
00:10:37.130 --> 00:10:38.390
INTÉRPRETE-ESPAÑOL (Ezequiel): next slide.

193
00:10:43.010 --> 00:10:48.500
Dave Davis: So this is a very, very simple, high, level flow chart.

194
00:10:49.000 --> 00:10:51.169
INTÉRPRETE-ESPAÑOL (Ezequiel): So showing the application process.

195
00:10:51.170 --> 00:10:55.039
Dave Davis: For CPU city in essence, what happens.

196
00:10:55.040 --> 00:10:56.209
INTÉRPRETE-ESPAÑOL (Ezequiel): Is our applicant.

197
00:10:56.210 --> 00:10:58.669
Dave Davis: Ls power proposes to build.

198
00:10:58.670 --> 00:11:00.000
INTÉRPRETE-ESPAÑOL (Ezequiel): Some infrastructure.

199
00:11:00.901 --> 00:11:04.909
Dave Davis: Ls power seeks to gain approval from CPU.

200
00:11:04.910 --> 00:11:05.990
INTÉRPRETE-ESPAÑOL (Ezequiel): See as the.

201
00:11:05.990 --> 00:11:09.119
Dave Davis: States, rep new states, lead, approving.

202
00:11:09.120 --> 00:11:09.950
INTÉRPRETE-ESPAÑOL (Ezequiel): Agency.

203
00:11:11.546 --> 00:11:12.099
Dave Davis: With that.

204
00:11:12.100 --> 00:11:13.810
INTÉRPRETE-ESPAÑOL (Ezequiel): The Cpc. Has a discretion.

205
00:11:13.810 --> 00:11:18.010
Dave Davis: Decision in front of it. The Commissioners take.

206
00:11:18.010 --> 00:11:18.490
INTÉRPRETE-ESPAÑOL (Ezequiel): Into King's.

207
00:11:18.490 --> 00:11:21.449
Dave Davis: Iteration. The information that we generate through the Eir.

208
00:11:21.450 --> 00:11:21.840
INTÉRPRETE-ESPAÑOL (Ezequiel): Through.

209
00:11:21.840 --> 00:11:22.670

Dave Davis: Equal process.

210
00:11:22.670 --> 00:11:23.190
INTÉRPRETE-ESPAÑOL (Ezequiel): Us.

211
00:11:23.500 --> 00:11:23.940
Dave Davis: Also.

212
00:11:23.940 --> 00:11:24.430
INTÉRPRETE-ESPAÑOL (Ezequiel): So.

213
00:11:24.430 --> 00:11:25.599
Dave Davis: That is to.

214
00:11:25.600 --> 00:11:26.420
INTÉRPRETE-ESPAÑOL (Ezequiel): Taken in.

215
00:11:26.420 --> 00:11:30.660
Dave Davis: Through the administrative process, which is a parallel process, not the same.

216
00:11:30.660 --> 00:11:31.440
INTÉRPRETE-ESPAÑOL (Ezequiel): Sequel process.

217
00:11:31.440 --> 00:11:32.420
Dave Davis: Not something. We're going to.

218
00:11:32.420 --> 00:11:33.920
INTÉRPRETE-ESPAÑOL (Ezequiel): Over here that it.

219
00:11:33.920 --> 00:11:34.869
Dave Davis: Is a parallel project.

220
00:11:34.870 --> 00:11:35.510
INTÉRPRETE-ESPAÑOL (Ezequiel): Access.

221
00:11:35.640 --> 00:11:37.199
INTÉRPRETE-ESPAÑOL (Ezequiel): and with the information.

222
00:11:37.200 --> 00:11:43.740

Dave Davis: Before the Commissioners gathered through the 2 processes. They have the decision to whether to approve.

223
00:11:43.740 --> 00:11:46.740
INTÉRPRETE-ESPAÑOL (Ezequiel): Or disapprove the project. So that's the discretion.

224
00:11:46.740 --> 00:11:47.470
Dave Davis: Decision.

225
00:11:47.470 --> 00:11:48.300
INTÉRPRETE-ESPAÑOL (Ezequiel): And that's.

226
00:11:48.300 --> 00:11:48.790
Dave Davis: Driving, the.

227
00:11:48.790 --> 00:11:49.720
INTÉRPRETE-ESPAÑOL (Ezequiel): Cir.

228
00:11:51.900 --> 00:11:52.490
Dave Davis: Slight.

229
00:11:52.490 --> 00:11:53.080
INTÉRPRETE-ESPAÑOL (Ezequiel): Please.

230
00:11:58.690 --> 00:12:01.649
Dave Davis: So quick. SQL overview. What does.

231
00:12:01.650 --> 00:12:02.530
INTÉRPRETE-ESPAÑOL (Ezequiel): Super dude.

232
00:12:03.160 --> 00:12:04.009
Dave Davis: Equipment forms for.

233
00:12:04.010 --> 00:12:05.109
INTÉRPRETE-ESPAÑOL (Ezequiel): Project, mate.

234
00:12:05.110 --> 00:12:07.969
Dave Davis: Decision makers. Pardon me and the public about.

235
00:12:07.970 --> 00:12:09.500

INTÉRPRETE-ESPAÑOL (Ezequiel): A potential significant.

236
00:12:09.500 --> 00:12:10.700
Dave Davis: Again, environment.

237
00:12:10.700 --> 00:12:11.410
INTÉRPRETE-ESPAÑOL (Ezequiel): Impacts, that.

238
00:12:11.410 --> 00:12:13.020
Dave Davis: The project could generate.

239
00:12:14.223 --> 00:12:15.770
INTÉRPRETE-ESPAÑOL (Ezequiel): It identifies.

240
00:12:15.770 --> 00:12:16.490
Dave Davis: Flies.

241
00:12:18.385 --> 00:12:21.470
Dave Davis: how the impacts could be avoided, or how.

242
00:12:21.470 --> 00:12:22.359
INTÉRPRETE-ESPAÑOL (Ezequiel): Impacts could be.

243
00:12:22.360 --> 00:12:24.739
Dave Davis: Be significantly reduced.

244
00:12:25.770 --> 00:12:29.639
Dave Davis: It also seeks to prevent, through the use of alternatives or mitigation.

245
00:12:29.640 --> 00:12:30.610
INTÉRPRETE-ESPAÑOL (Ezequiel): Measures.

246
00:12:30.970 --> 00:12:31.810
Dave Davis: Seeks to prevent.

247
00:12:32.172 --> 00:12:33.259
INTÉRPRETE-ESPAÑOL (Ezequiel): Significant, and avoid.

248
00:12:33.260 --> 00:12:33.810
Dave Davis: Waitable and.

249
00:12:33.810 --> 00:12:35.230
INTÉRPRETE-ESPAÑOL (Ezequiel): To the environment, through.

250
00:12:35.230 --> 00:12:36.190
Dave Davis: The use of those.

251
00:12:36.500 --> 00:12:37.780
INTÉRPRETE-ESPAÑOL (Ezequiel): Those measures.

252
00:12:39.300 --> 00:12:39.980
INTÉRPRETE-ESPAÑOL (Ezequiel): and.

253
00:12:39.980 --> 00:12:42.009
Dave Davis: If the Lead Agency.

254
00:12:42.010 --> 00:12:44.800
INTÉRPRETE-ESPAÑOL (Ezequiel): Or the governmental agency approves the project, and.

255
00:12:44.800 --> 00:12:46.210
Dave Davis: Still has.

256
00:12:46.210 --> 00:12:48.460
INTÉRPRETE-ESPAÑOL (Ezequiel): Significant and unavoidable impacts.

257
00:12:48.880 --> 00:12:49.930
Dave Davis: Ceqa

258
00:12:49.970 --> 00:12:51.629
Dave Davis: forces the lead.

259
00:12:51.630 --> 00:12:52.620
INTÉRPRETE-ESPAÑOL (Ezequiel): Agency to discuss.

260
00:12:52.620 --> 00:12:54.380
Dave Davis: Close the reasons why.

261
00:12:54.760 --> 00:12:56.039
INTÉRPRETE-ESPAÑOL (Ezequiel): It approved the project.

262
00:12:56.040 --> 00:12:56.829
Dave Davis: That with.

263
00:12:56.830 --> 00:12:57.940
INTÉRPRETE-ESPAÑOL (Ezequiel): Those impacts.

264
00:12:59.190 --> 00:13:00.310
Dave Davis: And I think.

265
00:13:00.310 --> 00:13:01.919
INTÉRPRETE-ESPAÑOL (Ezequiel): Probably the most important thing to.

266
00:13:01.920 --> 00:13:02.520
Dave Davis: Member here.

267
00:13:02.520 --> 00:13:03.619
INTÉRPRETE-ESPAÑOL (Ezequiel): Sequel folks.

268
00:13:03.620 --> 00:13:05.920
Dave Davis: On the physical impacts.

269
00:13:06.060 --> 00:13:06.670
INTÉRPRETE-ESPAÑOL (Ezequiel): To, the.

270
00:13:06.670 --> 00:13:08.880
Dave Davis: Environment, and I think you'll see that.

271
00:13:08.880 --> 00:13:09.280
INTÉRPRETE-ESPAÑOL (Ezequiel): Us.

272
00:13:09.280 --> 00:13:10.609
Dave Davis: Down the road, as well.

273
00:13:10.610 --> 00:13:11.000
INTÉRPRETE-ESPAÑOL (Ezequiel): We get to.

274
00:13:11.000 --> 00:13:11.940
Dave Davis: Slide that shows.

275
00:13:11.940 --> 00:13:12.760

INTÉRPRETE-ESPAÑOL (Ezequiel): The topical.

276
00:13:12.760 --> 00:13:13.420
Dave Davis: Areas.

277
00:13:13.660 --> 00:13:15.529
INTÉRPRETE-ESPAÑOL (Ezequiel): That we will cover.

278
00:13:15.530 --> 00:13:16.669
Dave Davis: The Eir

279
00:13:18.450 --> 00:13:19.109
Dave Davis: next slide.

280
00:13:19.575 --> 00:13:20.040
INTÉRPRETE-ESPAÑOL (Ezequiel): Please.

281
00:13:24.790 --> 00:13:26.529
Dave Davis: So this again, very.

282
00:13:26.530 --> 00:13:27.460
INTÉRPRETE-ESPAÑOL (Ezequiel): Simply.

283
00:13:27.920 --> 00:13:31.509
Dave Davis: Explains the er Eir process under SQL.

284
00:13:32.550 --> 00:13:33.849
Dave Davis: If you look at the.

285
00:13:33.850 --> 00:13:34.800
INTÉRPRETE-ESPAÑOL (Ezequiel): Left.

286
00:13:34.800 --> 00:13:38.740
Dave Davis: Side of the slide there. This is the process we're in right now.

287
00:13:39.027 --> 00:13:39.890
INTÉRPRETE-ESPAÑOL (Ezequiel): The lighter green.

288
00:13:40.040 --> 00:13:40.560
Dave Davis: They're not.

289
00:13:40.560 --> 00:13:40.940
INTÉRPRETE-ESPAÑOL (Ezequiel): Suppress.

290
00:13:40.940 --> 00:13:41.900
Dave Davis: Operation

291
00:13:42.250 --> 00:13:43.130
Dave Davis: was issued.

292
00:13:43.130 --> 00:13:43.700
INTÉRPRETE-ESPAÑOL (Ezequiel): On July 20.

293
00:13:43.700 --> 00:13:44.180
Dave Davis: Mean I.

294
00:13:45.040 --> 00:13:47.080
Dave Davis: It starts with scoping process.

295
00:13:49.020 --> 00:13:52.230
INTÉRPRETE-ESPAÑOL (Ezequiel): We will produce a scoping report. At the end of this process.

296
00:13:52.230 --> 00:13:53.230
Dave Davis: Takes into consideration.

297
00:13:53.230 --> 00:13:55.490
INTÉRPRETE-ESPAÑOL (Ezequiel): And reports out the.

298
00:13:56.230 --> 00:13:56.600
Dave Davis: That.

299
00:13:56.600 --> 00:13:57.490
INTÉRPRETE-ESPAÑOL (Ezequiel): We received.

300
00:13:57.714 --> 00:13:58.610
Dave Davis: From you. The public.

301
00:13:58.610 --> 00:13:59.810
INTÉRPRETE-ESPAÑOL (Ezequiel): Like, and from.

302
00:13:59.980 --> 00:14:00.830
Dave Davis: Agencies.

303
00:14:00.830 --> 00:14:01.290
INTÉRPRETE-ESPAÑOL (Ezequiel): On this.

304
00:14:01.290 --> 00:14:02.060
Dave Davis: Preliminaries.

305
00:14:02.060 --> 00:14:02.750
INTÉRPRETE-ESPAÑOL (Ezequiel): Yeah.

306
00:14:04.130 --> 00:14:06.920
Dave Davis: This, as I mentioned earlier, this.

307
00:14:06.920 --> 00:14:07.699
INTÉRPRETE-ESPAÑOL (Ezequiel): Scoping me to.

308
00:14:07.700 --> 00:14:08.580
Dave Davis: And the one later today.

309
00:14:08.580 --> 00:14:10.340
INTÉRPRETE-ESPAÑOL (Ezequiel): They are in tangible.

310
00:14:10.340 --> 00:14:11.249
Dave Davis: Parts of that.

311
00:14:11.585 --> 00:14:11.920
INTÉRPRETE-ESPAÑOL (Ezequiel): Scoping.

312
00:14:11.920 --> 00:14:13.579
Dave Davis: Process. And we are.

313
00:14:13.580 --> 00:14:15.690
INTÉRPRETE-ESPAÑOL (Ezequiel): The midpoint of that scoping.

314
00:14:15.690 --> 00:14:16.600
Dave Davis: Process.

315
00:14:20.030 --> 00:14:22.360

Dave Davis: Now, once the scoping report.

316
00:14:22.360 --> 00:14:23.360
INTÉRPRETE-ESPAÑOL (Ezequiel): Has been compiled.

317
00:14:23.360 --> 00:14:25.150
Dave Davis: Scoping period done.

318
00:14:25.150 --> 00:14:26.870
INTÉRPRETE-ESPAÑOL (Ezequiel): And the scoping report.

319
00:14:26.870 --> 00:14:27.850
Dave Davis: Kyle.

320
00:14:28.315 --> 00:14:29.710
INTÉRPRETE-ESPAÑOL (Ezequiel): Preparation of the.

321
00:14:29.710 --> 00:14:30.909
Dave Davis: Draft, eir.

322
00:14:31.415 --> 00:14:31.920
INTÉRPRETE-ESPAÑOL (Ezequiel): Begins!

323
00:14:33.490 --> 00:14:34.260
Dave Davis: And.

324
00:14:34.260 --> 00:14:34.660
INTÉRPRETE-ESPAÑOL (Ezequiel): We basically.

325
00:14:34.660 --> 00:14:35.660
Dave Davis: That on.

326
00:14:35.660 --> 00:14:37.170
INTÉRPRETE-ESPAÑOL (Ezequiel): And what's presented in.

327
00:14:37.170 --> 00:14:40.370
Dave Davis: The Ceqa initial study checklist. It's all.

328
00:14:40.370 --> 00:14:41.120
INTÉRPRETE-ESPAÑOL (Ezequiel): So informed.

329
00:14:41.120 --> 00:14:42.639
Dave Davis: By the scoping report. We.

330
00:14:42.640 --> 00:14:43.710
INTÉRPRETE-ESPAÑOL (Ezequiel): Perform our analysis.

331
00:14:43.710 --> 00:14:44.490
Dave Davis: Sees.

332
00:14:45.610 --> 00:14:47.040
Dave Davis: and with that.

333
00:14:47.040 --> 00:14:48.340
INTÉRPRETE-ESPAÑOL (Ezequiel): We prepare a public.

334
00:14:48.340 --> 00:14:48.770
Dave Davis: Review.

335
00:14:48.770 --> 00:14:49.570
INTÉRPRETE-ESPAÑOL (Ezequiel): Draft.

336
00:14:49.570 --> 00:14:50.150
Dave Davis: Environment.

337
00:14:50.150 --> 00:14:51.260
INTÉRPRETE-ESPAÑOL (Ezequiel): Impact report.

338
00:14:51.260 --> 00:14:52.573
Dave Davis: Or eir

339
00:14:53.230 --> 00:14:55.839
INTÉRPRETE-ESPAÑOL (Ezequiel): A notice of availability is posted.

340
00:14:56.060 --> 00:14:58.719
INTÉRPRETE-ESPAÑOL (Ezequiel): and that initiates.

341
00:14:58.720 --> 00:14:59.170
Dave Davis: Minimum.

342
00:14:59.170 --> 00:14:59.940

INTÉRPRETE-ESPAÑOL (Ezequiel): 40.

343
00:14:59.940 --> 00:15:01.360
Dave Davis: 5 day, public.

344
00:15:01.360 --> 00:15:02.540
INTÉRPRETE-ESPAÑOL (Ezequiel): Review, period.

345
00:15:04.400 --> 00:15:05.983
Dave Davis: About midway through that

346
00:15:06.380 --> 00:15:07.239
INTÉRPRETE-ESPAÑOL (Ezequiel): Public review, period.

347
00:15:07.240 --> 00:15:07.630
Dave Davis: Period.

348
00:15:07.870 --> 00:15:08.840
INTÉRPRETE-ESPAÑOL (Ezequiel): A public and.

349
00:15:08.840 --> 00:15:09.320
Dave Davis: Information on.

350
00:15:09.320 --> 00:15:09.980
INTÉRPRETE-ESPAÑOL (Ezequiel): Meeting.

351
00:15:09.980 --> 00:15:11.189
Dave Davis: Will be held.

352
00:15:11.280 --> 00:15:13.770
INTÉRPRETE-ESPAÑOL (Ezequiel): Or folks to in the.

353
00:15:13.770 --> 00:15:15.020
Dave Davis: A a public forum.

354
00:15:15.140 --> 00:15:15.380
INTÉRPRETE-ESPAÑOL (Ezequiel): A son.

355
00:15:15.380 --> 00:15:16.690
Dave Davis: Sort and.

356
00:15:16.690 --> 00:15:19.169
INTÉRPRETE-ESPAÑOL (Ezequiel): Questions, issue comments, and so forth.

357
00:15:22.340 --> 00:15:23.959
Dave Davis: Once, that's concluded.

358
00:15:24.520 --> 00:15:27.059
Dave Davis: a final eir will be prepared

359
00:15:27.805 --> 00:15:28.520
Dave Davis: the.

360
00:15:29.250 --> 00:15:29.900
INTÉRPRETE-ESPAÑOL (Ezequiel): Major.

361
00:15:29.900 --> 00:15:33.640
Dave Davis: Component of the final Eir is a response to comments, document

362
00:15:34.325 --> 00:15:37.510
Dave Davis: Cpa, or excuse me, cpuc, as the.

363
00:15:37.510 --> 00:15:38.599
INTÉRPRETE-ESPAÑOL (Ezequiel): Seek the lead agency, my.

364
00:15:38.600 --> 00:15:40.420
Dave Davis: Take your comments into consideration.

365
00:15:40.420 --> 00:15:41.100
INTÉRPRETE-ESPAÑOL (Ezequiel): Going to respond.

366
00:15:41.100 --> 00:15:41.450
Dave Davis: To them.

367
00:15:41.700 --> 00:15:42.650
INTÉRPRETE-ESPAÑOL (Ezequiel): Fully.

368
00:15:45.000 --> 00:15:47.640
Dave Davis: That final Eir then goes out.

369

00:15:48.068 --> 00:15:50.209
INTÉRPRETE-ESPAÑOL (Ezequiel): For a 10 day agency.

370
00:15:50.210 --> 00:15:51.960
Dave Davis: Like review process. Once that.

371
00:15:52.380 --> 00:15:53.219
INTÉRPRETE-ESPAÑOL (Ezequiel): Is done!

372
00:15:53.220 --> 00:15:56.440
Dave Davis: Then we join with that administrative process.

373
00:15:56.440 --> 00:15:57.120
INTÉRPRETE-ESPAÑOL (Ezequiel): Says.

374
00:15:57.120 --> 00:15:58.220
Dave Davis: And prepare finding.

375
00:15:58.220 --> 00:15:58.760
INTÉRPRETE-ESPAÑOL (Ezequiel): Things.

376
00:15:58.760 --> 00:15:59.660
Dave Davis: A statement of over.

377
00:15:59.660 --> 00:16:00.180
INTÉRPRETE-ESPAÑOL (Ezequiel): Didn't consider.

378
00:16:00.180 --> 00:16:02.150
Dave Davis: Rations, if the project still has.

379
00:16:02.150 --> 00:16:04.179
INTÉRPRETE-ESPAÑOL (Ezequiel): Significant, unavoidable impacts.

380
00:16:04.200 --> 00:16:06.350
INTÉRPRETE-ESPAÑOL (Ezequiel): and prepare a notice of termination.

381
00:16:06.350 --> 00:16:08.339
Dave Davis: When the project.

382
00:16:08.340 --> 00:16:09.939
INTÉRPRETE-ESPAÑOL (Ezequiel): Approved by the Commission.

383
00:16:12.480 --> 00:16:13.830
Dave Davis: Next slide please.

384
00:16:17.380 --> 00:16:21.479
Dave Davis: The key to to a thorough eir is that project.

385
00:16:21.480 --> 00:16:22.110
INTÉRPRETE-ESPAÑOL (Ezequiel): Description.

386
00:16:22.110 --> 00:16:23.530
Dave Davis: What are we demoing.

387
00:16:23.530 --> 00:16:25.049
INTÉRPRETE-ESPAÑOL (Ezequiel): What are we looking at.

388
00:16:25.430 --> 00:16:26.020
Dave Davis: Yeah, this is.

389
00:16:26.020 --> 00:16:27.010
INTÉRPRETE-ESPAÑOL (Ezequiel): The sequence.

390
00:16:27.010 --> 00:16:28.480
Dave Davis: Project, description.

391
00:16:28.480 --> 00:16:29.850
INTÉRPRETE-ESPAÑOL (Ezequiel): Covers 3 components.

392
00:16:30.600 --> 00:16:30.940
Dave Davis: Direction.

393
00:16:30.940 --> 00:16:32.010
INTÉRPRETE-ESPAÑOL (Ezequiel): And the project.

394
00:16:32.660 --> 00:16:34.460
Dave Davis: Operation of the project.

395
00:16:34.970 --> 00:16:36.659
Dave Davis: and, if applicable.

396

00:16:36.660 --> 00:16:37.320
INTÉRPRETE-ESPAÑOL (Ezequiel): The maintenance.

397
00:16:37.320 --> 00:16:38.130
Dave Davis: Of.

398
00:16:38.130 --> 00:16:38.950
INTÉRPRETE-ESPAÑOL (Ezequiel): Project

399
00:16:39.820 --> 00:16:42.130
INTÉRPRETE-ESPAÑOL (Ezequiel): under the construction piece.

400
00:16:42.400 --> 00:16:44.019
INTÉRPRETE-ESPAÑOL (Ezequiel): We look at, what will we build.

401
00:16:44.020 --> 00:16:44.909
Dave Davis: You know what are the structures.

402
00:16:44.910 --> 00:16:46.529
INTÉRPRETE-ESPAÑOL (Ezequiel): What you know.

403
00:16:46.530 --> 00:16:48.290
Dave Davis: What are the mechanisms? What are the.

404
00:16:48.290 --> 00:16:50.139
INTÉRPRETE-ESPAÑOL (Ezequiel): Transmission lines, you know.

405
00:16:50.340 --> 00:16:50.830
Dave Davis: Those sorts.

406
00:16:50.830 --> 00:16:51.710
INTÉRPRETE-ESPAÑOL (Ezequiel): Events.

407
00:16:52.330 --> 00:16:55.500
Dave Davis: How would the project be built? What's our construction method?

408
00:16:55.500 --> 00:16:56.930
INTÉRPRETE-ESPAÑOL (Ezequiel): Technology.

409
00:16:56.930 --> 00:17:01.815

Dave Davis: It's going to be putting lines in streets, using trenching

410
00:17:02.260 --> 00:17:05.930
INTÉRPRETE-ESPAÑOL (Ezequiel): Are we going to drill under stream crossings.

411
00:17:05.930 --> 00:17:08.050
Dave Davis: Environmental impacts. You know.

412
00:17:08.050 --> 00:17:09.310
INTÉRPRETE-ESPAÑOL (Ezequiel): Those sorts of things.

413
00:17:09.319 --> 00:17:11.439
Dave Davis: We also need to know the equipment required.

414
00:17:11.660 --> 00:17:12.492
INTÉRPRETE-ESPAÑOL (Ezequiel): So we can

415
00:17:12.770 --> 00:17:14.300
Dave Davis: Eyes properly knowing.

416
00:17:14.300 --> 00:17:14.810
INTÉRPRETE-ESPAÑOL (Ezequiel): Scenario.

417
00:17:14.819 --> 00:17:16.609
Dave Davis: Impacts. Among others.

418
00:17:16.679 --> 00:17:18.299
Dave Davis: we also want to know.

419
00:17:18.300 --> 00:17:18.990
INTÉRPRETE-ESPAÑOL (Ezequiel): The employment.

420
00:17:18.990 --> 00:17:19.790
Dave Davis: How many workers.

421
00:17:19.790 --> 00:17:20.589
INTÉRPRETE-ESPAÑOL (Ezequiel): Sure.

422
00:17:21.169 --> 00:17:21.739
Dave Davis: Go.

423
00:17:21.740 --> 00:17:22.649
INTÉRPRETE-ESPAÑOL (Ezequiel): To be employed.

424
00:17:22.650 --> 00:17:23.970
Dave Davis: By the project.

425
00:17:25.220 --> 00:17:29.800
Dave Davis: and finally, and as important as anything else, project schedule.

426
00:17:29.870 --> 00:17:31.469
Dave Davis: How long will it take to.

427
00:17:31.690 --> 00:17:33.310
INTÉRPRETE-ESPAÑOL (Ezequiel): Build the project.

428
00:17:33.310 --> 00:17:34.869
Dave Davis: And in what phases

429
00:17:37.140 --> 00:17:37.990
Dave Davis: the operation.

430
00:17:37.990 --> 00:17:38.920
INTÉRPRETE-ESPAÑOL (Ezequiel): Piece.

431
00:17:39.240 --> 00:17:40.099
INTÉRPRETE-ESPAÑOL (Ezequiel): Well, how will the.

432
00:17:40.100 --> 00:17:40.710
Dave Davis: Project, beyond.

433
00:17:40.710 --> 00:17:41.450
INTÉRPRETE-ESPAÑOL (Ezequiel): Operated.

434
00:17:41.740 --> 00:17:43.639
Dave Davis: And if under operation.

435
00:17:44.320 --> 00:17:45.230
INTÉRPRETE-ESPAÑOL (Ezequiel): What?

436
00:17:45.230 --> 00:17:48.730
Dave Davis: Operational personnel that we will be required of any.

437
00:17:49.180 --> 00:17:50.450
INTÉRPRETE-ESPAÑOL (Ezequiel): Many of these projects.

438
00:17:50.450 --> 00:17:54.719
Dave Davis: Can be to an extent operated remotely. We need.

439
00:17:54.720 --> 00:17:56.820
INTÉRPRETE-ESPAÑOL (Ezequiel): To consider things like that.

440
00:17:57.860 --> 00:18:01.750
Dave Davis: And then, oftentimes you'll see this in an eir going here.

441
00:18:01.750 --> 00:18:05.100
INTÉRPRETE-ESPAÑOL (Ezequiel): Hand in hand. There's maintenance. How will the project need.

442
00:18:05.100 --> 00:18:06.799
Dave Davis: Gained once. It's operation.

443
00:18:07.700 --> 00:18:08.550
Dave Davis: When will that.

444
00:18:08.550 --> 00:18:10.040
INTÉRPRETE-ESPAÑOL (Ezequiel): Maintenance be performed.

445
00:18:10.300 --> 00:18:13.099
Dave Davis: And again maintenance personnel.

446
00:18:13.100 --> 00:18:14.320
INTÉRPRETE-ESPAÑOL (Ezequiel): Required. You know how.

447
00:18:14.320 --> 00:18:14.930
Dave Davis: How many try?

448
00:18:14.930 --> 00:18:16.010
INTÉRPRETE-ESPAÑOL (Ezequiel): Serve folks going to.

449

00:18:16.010 --> 00:18:18.290
Dave Davis: Need to make for regular schedule.

450
00:18:18.290 --> 00:18:20.300
INTÉRPRETE-ESPAÑOL (Ezequiel): Old maintenance, and so forth.

451
00:18:23.580 --> 00:18:29.359
Dave Davis: So at this point, to really kind of get into explaining what this project is, I'm gonna.

452
00:18:29.760 --> 00:18:30.870
Dave Davis: It over to my colleague.

453
00:18:30.880 --> 00:18:32.120
INTÉRPRETE-ESPAÑOL (Ezequiel): Vince, Molina.

454
00:18:32.120 --> 00:18:35.180
Dave Davis: Who will walk us through the power of the South.

455
00:18:35.645 --> 00:18:36.110
INTÉRPRETE-ESPAÑOL (Ezequiel): Project!

456
00:18:40.830 --> 00:18:43.190
Vincent Molina: Thank you, Dave, for that wonderful overview of.

457
00:18:43.190 --> 00:18:44.919
INTÉRPRETE-ESPAÑOL (Ezequiel): Of the Ceqa process.

458
00:18:46.450 --> 00:18:49.180
Vincent Molina: Hi! Everyone. My name is Vince Molina.

459
00:18:49.180 --> 00:18:49.740
INTÉRPRETE-ESPAÑOL (Ezequiel): And.

460
00:18:49.740 --> 00:18:50.860
Vincent Molina: I am the Esa.

461
00:18:50.860 --> 00:18:51.330
INTÉRPRETE-ESPAÑOL (Ezequiel): Deputy.

462
00:18:51.330 --> 00:18:52.090

Vincent Molina: Project, manager.

463
00:18:52.090 --> 00:18:53.239
INTÉRPRETE-ESPAÑOL (Ezequiel): For this proposed pro.

464
00:18:53.240 --> 00:18:53.870
Vincent Molina: Project.

465
00:18:54.290 --> 00:18:55.559
INTÉRPRETE-ESPAÑOL (Ezequiel): 1st of all, thank you for.

466
00:18:55.560 --> 00:18:57.839
Vincent Molina: Or attending our meeting.

467
00:18:57.840 --> 00:18:59.540
INTÉRPRETE-ESPAÑOL (Ezequiel): This afternoon.

468
00:19:01.690 --> 00:19:03.049
Vincent Molina: Can everyone hear me? Okay.

469
00:19:06.300 --> 00:19:07.210
Vincent Molina: at?

470
00:19:07.350 --> 00:19:11.560
Vincent Molina: Sorry about that. Today I will provide a brief overview of the.

471
00:19:11.560 --> 00:19:12.350
INTÉRPRETE-ESPAÑOL (Ezequiel): Post Project.

472
00:19:12.350 --> 00:19:14.009
Vincent Molina: As Dave mentioned

473
00:19:15.790 --> 00:19:17.150
INTÉRPRETE-ESPAÑOL (Ezequiel): As you can see on this map.

474
00:19:17.150 --> 00:19:21.119
Vincent Molina: The proposed project would be located within Alameda, and.

475
00:19:21.120 --> 00:19:21.909

INTÉRPRETE-ESPAÑOL (Ezequiel): Santa Clara.

476
00:19:21.910 --> 00:19:24.990
Vincent Molina: Counties specifically within the cities of Newark.

477
00:19:25.340 --> 00:19:26.450
INTÉRPRETE-ESPAÑOL (Ezequiel): Fremont.

478
00:19:26.450 --> 00:19:27.170
Vincent Molina: Milpitas.

479
00:19:27.350 --> 00:19:29.500
INTÉRPRETE-ESPAÑOL (Ezequiel): San Jose and Santa Clara.

480
00:19:29.880 --> 00:19:31.019
Vincent Molina: Including the nearby community.

481
00:19:31.020 --> 00:19:32.190
INTÉRPRETE-ESPAÑOL (Ezequiel): Of our visa.

482
00:19:32.720 --> 00:19:33.240
INTÉRPRETE-ESPAÑOL (Ezequiel): as she.

483
00:19:33.240 --> 00:19:33.980
Vincent Molina: Shown on the.

484
00:19:33.980 --> 00:19:34.500
INTÉRPRETE-ESPAÑOL (Ezequiel): Map, to the.

485
00:19:34.500 --> 00:19:35.140
Vincent Molina: Right.

486
00:19:35.310 --> 00:19:36.089
Vincent Molina: the northern.

487
00:19:36.090 --> 00:19:36.850
INTÉRPRETE-ESPAÑOL (Ezequiel): As part of the.

488
00:19:36.850 --> 00:19:41.140
Vincent Molina: Project. The proposed all great terminal site would be located.

489
00:19:41.140 --> 00:19:42.220
INTÉRPRETE-ESPAÑOL (Ezequiel): Approximately.

490
00:19:42.220 --> 00:19:46.959
Vincent Molina: 0 point 8 miles west of Interstate 880, and approximately 0.

491
00:19:46.960 --> 00:19:47.330
INTÉRPRETE-ESPAÑOL (Ezequiel): Point 2.

492
00:19:47.330 --> 00:19:53.290
Vincent Molina: Miles northeast of the existing Pgnd, Newark substation, and is.

493
00:19:53.290 --> 00:19:53.950
INTÉRPRETE-ESPAÑOL (Ezequiel): Located in the.

494
00:19:53.950 --> 00:19:54.680
Vincent Molina: City of Fremont.

495
00:19:55.470 --> 00:19:58.690
INTÉRPRETE-ESPAÑOL (Ezequiel): The approximate center of the proposed project.

496
00:19:58.920 --> 00:20:02.709
Vincent Molina: Which would notably include the proposed Baylands terminal site.

497
00:20:02.740 --> 00:20:03.950
Vincent Molina: would be located.

498
00:20:03.950 --> 00:20:05.410
INTÉRPRETE-ESPAÑOL (Ezequiel): Approximately 0 point.

499
00:20:05.410 --> 00:20:06.499
Vincent Molina: 5 miles north.

500
00:20:06.500 --> 00:20:09.350
INTÉRPRETE-ESPAÑOL (Ezequiel): Of State route 237 approximately.

501

00:20:09.350 --> 00:20:12.419
Vincent Molina: 1.8 miles west of Interstate 880,

502
00:20:12.480 --> 00:20:20.390
Vincent Molina: and approximately 1.8 miles northeast of the existing Silicon Valley power, Northern receiving station substation.

503
00:20:20.960 --> 00:20:23.790
Vincent Molina: and is located within the city of San Jose.

504
00:20:24.500 --> 00:20:38.380
Vincent Molina: and finally the southernmost part of the project of the proposed project would be located at the existing Silicon Valley power, Northern receiving station located in the city of Santa Clara, adjacent to Levi Stadium, off of Lafayette.

505
00:20:38.380 --> 00:20:39.170
INTÉRPRETE-ESPAÑOL (Ezequiel): Get street.

506
00:20:39.600 --> 00:20:40.830
Vincent Molina: Approximately one mile.

507
00:20:40.830 --> 00:20:43.009
INTÉRPRETE-ESPAÑOL (Ezequiel): South of State route 37.

508
00:20:43.980 --> 00:20:47.379
Vincent Molina: These components would be connected via transmission lines and other.

509
00:20:47.380 --> 00:20:49.650
INTÉRPRETE-ESPAÑOL (Ezequiel): Associated infrastructure with.

510
00:20:49.650 --> 00:20:50.240
Vincent Molina: I will now.

511
00:20:50.240 --> 00:20:50.900
INTÉRPRETE-ESPAÑOL (Ezequiel): Discuss, in.

512
00:20:50.900 --> 00:20:52.070
Vincent Molina: Following slide.

513
00:20:54.520 --> 00:21:03.879

Vincent Molina: As shown in this slide, the proposed project would include 2 high voltage direct current or Hvdc. Terminals located.

514
00:21:03.880 --> 00:21:05.689
INTÉRPRETE-ESPAÑOL (Ezequiel): At the proposed Albre.

515
00:21:05.690 --> 00:21:06.630
Vincent Molina: Bail-ins, terminal.

516
00:21:06.630 --> 00:21:07.869
INTÉRPRETE-ESPAÑOL (Ezequiel): Sites, with associated.

517
00:21:07.870 --> 00:21:08.300
Vincent Molina: Trends.

518
00:21:08.300 --> 00:21:09.380
INTÉRPRETE-ESPAÑOL (Ezequiel): Mission lines

519
00:21:09.940 --> 00:21:12.639
INTÉRPRETE-ESPAÑOL (Ezequiel): in addition to the new terminals and associated transmission.

520
00:21:12.640 --> 00:21:13.070
Vincent Molina: In line.

521
00:21:13.070 --> 00:21:13.610
INTÉRPRETE-ESPAÑOL (Ezequiel): The.

522
00:21:13.610 --> 00:21:14.690
Vincent Molina: Post Project.

523
00:21:14.690 --> 00:21:16.389
INTÉRPRETE-ESPAÑOL (Ezequiel): Would also include connections.

524
00:21:16.390 --> 00:21:17.760
Vincent Molina: And modifications to the.

525
00:21:17.760 --> 00:21:18.640
INTÉRPRETE-ESPAÑOL (Ezequiel): Existing.

526
00:21:19.100 --> 00:21:20.460

Vincent Molina: GNE. Newark, NA.

527
00:21:20.460 --> 00:21:24.960
INTÉRPRETE-ESPAÑOL (Ezequiel): Svp. Or Silicon Valley power, Northern receiving substations

528
00:21:25.770 --> 00:21:27.290
INTÉRPRETE-ESPAÑOL (Ezequiel): overall. There would be a.

529
00:21:27.290 --> 00:21:29.180
Vincent Molina: Approximately 12 and a half miles.

530
00:21:29.180 --> 00:21:29.930
INTÉRPRETE-ESPAÑOL (Ezequiel): Of transmission.

531
00:21:29.930 --> 00:21:30.290
Vincent Molina: In line.

532
00:21:30.290 --> 00:21:31.330
INTÉRPRETE-ESPAÑOL (Ezequiel): Both, above.

533
00:21:31.330 --> 00:21:31.750
Vincent Molina: And.

534
00:21:31.750 --> 00:21:32.550
INTÉRPRETE-ESPAÑOL (Ezequiel): Low ground.

535
00:21:33.350 --> 00:21:34.860
Vincent Molina: Project would also involve.

536
00:21:34.860 --> 00:21:37.650
INTÉRPRETE-ESPAÑOL (Ezequiel): 10 trenchless crossings.

537
00:21:38.850 --> 00:21:40.809
Vincent Molina: The images to the right represent.

538
00:21:40.810 --> 00:21:41.570
INTÉRPRETE-ESPAÑOL (Ezequiel): That proposed.

539
00:21:41.570 --> 00:21:41.970
Vincent Molina: Be limited.

540
00:21:41.970 --> 00:21:43.550
INTÉRPRETE-ESPAÑOL (Ezequiel): Very diagrams.

541
00:21:43.550 --> 00:21:44.150
Vincent Molina: Of what the.

542
00:21:44.150 --> 00:21:44.710
INTÉRPRETE-ESPAÑOL (Ezequiel): Hvd.

543
00:21:44.710 --> 00:21:46.319
Vincent Molina: See terminal sites? Would.

544
00:21:46.320 --> 00:21:46.980
INTÉRPRETE-ESPAÑOL (Ezequiel): Like.

545
00:21:47.240 --> 00:21:47.889
Vincent Molina: Well as the very.

546
00:21:47.890 --> 00:21:52.950
INTÉRPRETE-ESPAÑOL (Ezequiel): Types of poles that may be used for the 320 kilovolt direct.

547
00:21:52.950 --> 00:21:53.590
Vincent Molina: Current, over.

548
00:21:53.590 --> 00:21:55.440
INTÉRPRETE-ESPAÑOL (Ezequiel): Transmission line structures.

549
00:21:59.190 --> 00:22:07.310
Vincent Molina: The images shown in this slide present existing conditions of where the Albray terminal site would be. Looking north and west from Weber Road.

550
00:22:08.120 --> 00:22:09.370
Vincent Molina: the surrounding land.

551
00:22:09.370 --> 00:22:10.280
INTÉRPRETE-ESPAÑOL (Ezequiel): Uses.

552
00:22:10.280 --> 00:22:11.899

Vincent Molina: In this area consist of in.

553
00:22:11.900 --> 00:22:13.310
INTÉRPRETE-ESPAÑOL (Ezequiel): Industrial facilities.

554
00:22:13.740 --> 00:22:14.769
Vincent Molina: Including glass and concrete.

555
00:22:14.770 --> 00:22:15.340
INTÉRPRETE-ESPAÑOL (Ezequiel): Fabric.

556
00:22:15.340 --> 00:22:15.870
Vincent Molina: To, the.

557
00:22:15.870 --> 00:22:17.970
INTÉRPRETE-ESPAÑOL (Ezequiel): North and electric utilities, distribution.

558
00:22:17.970 --> 00:22:18.800
Vincent Molina: You shouldn't send.

559
00:22:18.800 --> 00:22:19.759
INTÉRPRETE-ESPAÑOL (Ezequiel): To the east.

560
00:22:20.130 --> 00:22:21.249
Vincent Molina: Car, repair store.

561
00:22:21.250 --> 00:22:24.059
INTÉRPRETE-ESPAÑOL (Ezequiel): And auction lot to the south and west.

562
00:22:28.840 --> 00:22:29.769
Vincent Molina: The image on this slide.

563
00:22:29.770 --> 00:22:30.260
INTÉRPRETE-ESPAÑOL (Ezequiel): Chosen.

564
00:22:30.260 --> 00:22:32.500
Vincent Molina: Aerial view of the existing facility.

565
00:22:32.500 --> 00:22:32.890
INTÉRPRETE-ESPAÑOL (Ezequiel): Is.

566
00:22:32.890 --> 00:22:34.769
Vincent Molina: The area with an overlay of.

567
00:22:34.770 --> 00:22:35.950
INTÉRPRETE-ESPAÑOL (Ezequiel): The proposed outbreak.

568
00:22:35.950 --> 00:22:36.580
Vincent Molina: Terminal, site.

569
00:22:37.060 --> 00:22:37.580
INTÉRPRETE-ESPAÑOL (Ezequiel): And the.

570
00:22:37.580 --> 00:22:40.289
Vincent Molina: Teal blue box in the center.

571
00:22:40.710 --> 00:22:41.220
INTÉRPRETE-ESPAÑOL (Ezequiel): Tuesday.

572
00:22:41.220 --> 00:22:41.720
Vincent Molina: Aging.

573
00:22:41.720 --> 00:22:43.930
INTÉRPRETE-ESPAÑOL (Ezequiel): Areas in purple, black hashing

574
00:22:44.610 --> 00:22:45.450
INTÉRPRETE-ESPAÑOL (Ezequiel): above ground.

575
00:22:45.450 --> 00:22:45.860
Vincent Molina: Transmit.

576
00:22:45.860 --> 00:22:46.260
INTÉRPRETE-ESPAÑOL (Ezequiel): Instruct.

577
00:22:46.260 --> 00:22:47.899
Vincent Molina: And yellow dots.

578
00:22:48.490 --> 00:22:53.240
INTÉRPRETE-ESPAÑOL (Ezequiel): Transmission line, alignments shown in red and in green.

579
00:22:58.460 --> 00:23:05.650
Vincent Molina: The image on this slide shows a close up of the preliminary layout of the proposed facilities for the proposed outbre terminal.

580
00:23:12.040 --> 00:23:15.159
Vincent Molina: and now, transitioning into the proposed balance terminal site.

581
00:23:16.450 --> 00:23:18.319
INTÉRPRETE-ESPAÑOL (Ezequiel): The images shown in this slide present.

582
00:23:18.320 --> 00:23:19.030
Vincent Molina: Existing, can.

583
00:23:19.030 --> 00:23:19.500
INTÉRPRETE-ESPAÑOL (Ezequiel): Additions.

584
00:23:19.500 --> 00:23:23.090
Vincent Molina: Of where the Bay lines terminal site would be, which would be located West.

585
00:23:23.090 --> 00:23:26.480
INTÉRPRETE-ESPAÑOL (Ezequiel): Of the existing San Jose, Santa Clara. Regional wastewater.

586
00:23:26.480 --> 00:23:27.360
Vincent Molina: Facility.

587
00:23:27.360 --> 00:23:29.030
INTÉRPRETE-ESPAÑOL (Ezequiel): Off of Los Asteros road.

588
00:23:29.660 --> 00:23:32.579
INTÉRPRETE-ESPAÑOL (Ezequiel): The image to the left views the site looking north.

589
00:23:32.750 --> 00:23:34.809
INTÉRPRETE-ESPAÑOL (Ezequiel): and the image on the right presents the view.

590
00:23:34.810 --> 00:23:35.770
Vincent Molina: Use, South.

591
00:23:35.950 --> 00:23:36.920
INTÉRPRETE-ESPAÑOL (Ezequiel): Southwest.

592
00:23:36.920 --> 00:23:37.340
Vincent Molina: Of.

593
00:23:37.340 --> 00:23:37.990
INTÉRPRETE-ESPAÑOL (Ezequiel): The site.

594
00:23:39.140 --> 00:23:39.480
Vincent Molina: 30.

595
00:23:39.480 --> 00:23:39.970
INTÉRPRETE-ESPAÑOL (Ezequiel): Isn't as deep.

596
00:23:39.970 --> 00:23:40.879
Vincent Molina: Held information that will.

597
00:23:40.880 --> 00:23:41.890
INTÉRPRETE-ESPAÑOL (Ezequiel): Location of the existing.

598
00:23:41.890 --> 00:23:43.200
Vincent Molina: Thing, regional wastewater.

599
00:23:43.200 --> 00:23:43.940
INTÉRPRETE-ESPAÑOL (Ezequiel): Facility. There's no.

600
00:23:44.315 --> 00:23:44.690
Vincent Molina: Shun

601
00:23:46.430 --> 00:23:47.710
Vincent Molina: surrounding land uses.

602
00:23:47.710 --> 00:23:50.079
INTÉRPRETE-ESPAÑOL (Ezequiel): System los los asteris road.

603
00:23:50.080 --> 00:23:52.760
Vincent Molina: And a recycling and trash center to the north.

604

00:23:53.120 --> 00:23:53.899
INTÉRPRETE-ESPAÑOL (Ezequiel): Of course, the.

605
00:23:53.900 --> 00:23:54.520
Vincent Molina: Regional waste.

606
00:23:54.520 --> 00:23:55.929
INTÉRPRETE-ESPAÑOL (Ezequiel): Facility to the east

607
00:23:56.270 --> 00:23:58.839
INTÉRPRETE-ESPAÑOL (Ezequiel): and undeveloped land. To the south and west.

608
00:24:02.170 --> 00:24:02.810
INTÉRPRETE-ESPAÑOL (Ezequiel): as was.

609
00:24:02.810 --> 00:24:03.570
Vincent Molina: Shown with the album.

610
00:24:03.570 --> 00:24:04.660
INTÉRPRETE-ESPAÑOL (Ezequiel): Terminal, site.

611
00:24:05.010 --> 00:24:08.169
Vincent Molina: The image shown on this slide is an aerial view of the existing.

612
00:24:08.170 --> 00:24:09.210
INTÉRPRETE-ESPAÑOL (Ezequiel): Utility, Facilities.

613
00:24:09.210 --> 00:24:11.610
Vincent Molina: The area, notably the regional.

614
00:24:11.610 --> 00:24:13.389
INTÉRPRETE-ESPAÑOL (Ezequiel): Water facility to the east.

615
00:24:13.810 --> 00:24:17.299
Vincent Molina: With an overlay of the proposed Valence terminal to the west, in a teal.

616
00:24:17.300 --> 00:24:18.910
INTÉRPRETE-ESPAÑOL (Ezequiel): Black Hashing.

617
00:24:19.560 --> 00:24:21.419
Vincent Molina: As well as 3 staging area.

618
00:24:21.420 --> 00:24:23.559
INTÉRPRETE-ESPAÑOL (Ezequiel): Is in purple black hashing

619
00:24:23.680 --> 00:24:25.579
INTÉRPRETE-ESPAÑOL (Ezequiel): above ground transmission structures.

620
00:24:25.580 --> 00:24:26.230
Vincent Molina: And yellow dot.

621
00:24:26.840 --> 00:24:28.670
INTÉRPRETE-ESPAÑOL (Ezequiel): And the transmission line segments and.

622
00:24:28.670 --> 00:24:29.250
Vincent Molina: Green.

623
00:24:32.910 --> 00:24:34.580
Vincent Molina: The image on this slide

624
00:24:34.620 --> 00:24:37.050
Vincent Molina: shows a close up of the preliminary layout.

625
00:24:37.670 --> 00:24:40.830
INTÉRPRETE-ESPAÑOL (Ezequiel): Proposed facilities for the Valence Terminal site.

626
00:24:48.380 --> 00:24:51.109
Vincent Molina: The 4 images in this slide depict 4 areas along.

627
00:24:51.482 --> 00:24:52.599
INTÉRPRETE-ESPAÑOL (Ezequiel): The project alignment.

628
00:24:53.170 --> 00:24:54.650
Vincent Molina: The top left image is.

629
00:24:54.650 --> 00:24:58.120
INTÉRPRETE-ESPAÑOL (Ezequiel): The project alignment would parallel the Cushing Parkway Bridge.

630
00:24:58.680 --> 00:25:00.579
INTÉRPRETE-ESPAÑOL (Ezequiel): The image views southeast.

631
00:25:00.580 --> 00:25:01.240
Vincent Molina: With a Don.

632
00:25:01.240 --> 00:25:03.939
INTÉRPRETE-ESPAÑOL (Ezequiel): Edwards wildlife refuge to the left of the image.

633
00:25:04.860 --> 00:25:06.860
INTÉRPRETE-ESPAÑOL (Ezequiel): the top right image.

634
00:25:06.860 --> 00:25:07.570
Vincent Molina: Is adjacent.

635
00:25:07.570 --> 00:25:08.290
INTÉRPRETE-ESPAÑOL (Ezequiel): The coyote.

636
00:25:08.290 --> 00:25:10.349
Vincent Molina: Lagoon trail, looking east

637
00:25:10.800 --> 00:25:15.109
Vincent Molina: along Fremont Boulevard, which is generally surrounded by warehouses.

638
00:25:16.740 --> 00:25:17.520
Vincent Molina: The bottom.

639
00:25:17.520 --> 00:25:20.989
INTÉRPRETE-ESPAÑOL (Ezequiel): Image views west towards the existing Pg.

640
00:25:20.990 --> 00:25:22.299
Vincent Molina: C. And E. Newark substation.

641
00:25:22.300 --> 00:25:24.139
INTÉRPRETE-ESPAÑOL (Ezequiel): On Weber Road, where the proposed.

642
00:25:24.140 --> 00:25:24.580
Vincent Molina: Alberta.

643
00:25:24.580 --> 00:25:28.830
INTÉRPRETE-ESPAÑOL (Ezequiel): Terminal site would be adjacent to some 0 point 2 miles.

644
00:25:30.240 --> 00:25:31.580
Vincent Molina: The bottom, right image.

645
00:25:31.580 --> 00:25:32.640
INTÉRPRETE-ESPAÑOL (Ezequiel): Looks west.

646
00:25:32.640 --> 00:25:33.950
Vincent Molina: Was the existing.

647
00:25:33.950 --> 00:25:35.039
INTÉRPRETE-ESPAÑOL (Ezequiel): Silicon, valley, power.

648
00:25:35.040 --> 00:25:35.609
Vincent Molina: Northern receiver.

649
00:25:35.610 --> 00:25:37.120
INTÉRPRETE-ESPAÑOL (Ezequiel): Station, Substation.

650
00:25:37.630 --> 00:25:38.959
Vincent Molina: Screened out by a tall car.

651
00:25:38.960 --> 00:25:39.810
INTÉRPRETE-ESPAÑOL (Ezequiel): Like feet. Well.

652
00:25:42.030 --> 00:25:43.019
Vincent Molina: You everyone, and now.

653
00:25:43.020 --> 00:25:43.360
INTÉRPRETE-ESPAÑOL (Ezequiel): Behave.

654
00:25:43.360 --> 00:25:44.040
Vincent Molina: It back.

655
00:25:44.040 --> 00:25:44.859
INTÉRPRETE-ESPAÑOL (Ezequiel): To Dave.

656

00:25:46.040 --> 00:25:47.540
Vincent Molina: Or more information on the project.

657
00:25:53.900 --> 00:25:55.449
Dave Davis: Okay, well, thank you, Vince.

658
00:25:56.370 --> 00:26:03.989
Dave Davis: So, resuming the journey through Ceqa. Here, this slide presents.

659
00:26:03.990 --> 00:26:05.530
INTÉRPRETE-ESPAÑOL (Ezequiel): The environmental resource.

660
00:26:05.530 --> 00:26:08.059
Dave Davis: Areas that will be considered in.

661
00:26:08.060 --> 00:26:09.119
INTÉRPRETE-ESPAÑOL (Ezequiel): In the environmental.

662
00:26:09.120 --> 00:26:10.040
Dave Davis: Impact report.

663
00:26:10.040 --> 00:26:13.289
INTÉRPRETE-ESPAÑOL (Ezequiel): Or the Eir. You can see there's a list of 20.

664
00:26:13.290 --> 00:26:13.920
Dave Davis: Here.

665
00:26:14.516 --> 00:26:15.709
INTÉRPRETE-ESPAÑOL (Ezequiel): That covers.

666
00:26:15.710 --> 00:26:16.640
Dave Davis: Variety.

667
00:26:16.720 --> 00:26:17.950
INTÉRPRETE-ESPAÑOL (Ezequiel): Of.

668
00:26:18.280 --> 00:26:20.340
Dave Davis: Goal impacts.

669

00:26:20.340 --> 00:26:21.470
INTÉRPRETE-ESPAÑOL (Ezequiel): Or potential, physical.

670
00:26:21.470 --> 00:26:22.150
Dave Davis: Packs.

671
00:26:22.150 --> 00:26:22.750
INTÉRPRETE-ESPAÑOL (Ezequiel): Works.

672
00:26:23.280 --> 00:26:23.610
Dave Davis: Said.

673
00:26:23.610 --> 00:26:25.800
INTÉRPRETE-ESPAÑOL (Ezequiel): Apparently physical, but cool.

674
00:26:25.800 --> 00:26:28.179
Dave Davis: Would, through indirect.

675
00:26:28.180 --> 00:26:32.799
INTÉRPRETE-ESPAÑOL (Ezequiel): Impact cause physical impact to the environment. So that's why you see things.

676
00:26:32.800 --> 00:26:34.800
Dave Davis: Like public services and.

677
00:26:34.800 --> 00:26:36.610
INTÉRPRETE-ESPAÑOL (Ezequiel): Population and housing on here.

678
00:26:38.220 --> 00:26:39.459
INTÉRPRETE-ESPAÑOL (Ezequiel): If you go to.

679
00:26:39.460 --> 00:26:43.359
Dave Davis: Notice of preparation that has been published on the Cpuc's website.

680
00:26:44.146 --> 00:26:44.980
INTÉRPRETE-ESPAÑOL (Ezequiel): And that.

681
00:26:44.980 --> 00:26:46.690
Dave Davis: Area libraries.

682

00:26:47.705 --> 00:26:48.889
INTÉRPRETE-ESPAÑOL (Ezequiel): You will find.

683
00:26:49.315 --> 00:26:49.740
Dave Davis: More.

684
00:26:49.740 --> 00:26:51.580
INTÉRPRETE-ESPAÑOL (Ezequiel): Information about the Pre.

685
00:26:51.580 --> 00:26:52.790
Dave Davis: Preliminary.

686
00:26:53.280 --> 00:26:55.450
Dave Davis: Our preliminary thoughts about.

687
00:26:55.880 --> 00:26:57.170
INTÉRPRETE-ESPAÑOL (Ezequiel): These impact areas.

688
00:27:00.410 --> 00:27:04.830
Dave Davis: When we evaluate for impacts for each resource area. This.

689
00:27:04.830 --> 00:27:05.279
INTÉRPRETE-ESPAÑOL (Ezequiel): These are.

690
00:27:05.280 --> 00:27:06.090
Dave Davis: The steps

691
00:27:06.560 --> 00:27:08.450
Dave Davis: we define, and we describe the.

692
00:27:08.450 --> 00:27:08.809
INTÉRPRETE-ESPAÑOL (Ezequiel): Is this too?

693
00:27:08.810 --> 00:27:09.350
Dave Davis: Sadly.

694
00:27:09.350 --> 00:27:10.389
INTÉRPRETE-ESPAÑOL (Ezequiel): Environmental Setting.

695
00:27:11.027 --> 00:27:13.170
Dave Davis: You know, what are the conditions

696
00:27:13.310 --> 00:27:19.080
Dave Davis: based on that impact area, whether the biological conditions but or the visual conditions of the.

697
00:27:19.080 --> 00:27:22.230
INTÉRPRETE-ESPAÑOL (Ezequiel): Area. We also cover regulatory setting.

698
00:27:22.230 --> 00:27:23.270
Dave Davis: What laws.

699
00:27:23.270 --> 00:27:25.130
INTÉRPRETE-ESPAÑOL (Ezequiel): Ordinances General Plans.

700
00:27:25.130 --> 00:27:25.690
Dave Davis: Policy.

701
00:27:25.690 --> 00:27:27.200
INTÉRPRETE-ESPAÑOL (Ezequiel): And so forth.

702
00:27:27.555 --> 00:27:27.910
Dave Davis: That.

703
00:27:27.910 --> 00:27:29.460
INTÉRPRETE-ESPAÑOL (Ezequiel): Would have jurisdiction.

704
00:27:29.460 --> 00:27:29.790
Dave Davis: Over.

705
00:27:29.790 --> 00:27:30.609
INTÉRPRETE-ESPAÑOL (Ezequiel): A given.

706
00:27:30.610 --> 00:27:31.060
Dave Davis: Sources.

707
00:27:31.060 --> 00:27:31.720
INTÉRPRETE-ESPAÑOL (Ezequiel): Area.

708
00:27:33.830 --> 00:27:34.260
Dave Davis: Using.

709
00:27:34.260 --> 00:27:35.170
INTÉRPRETE-ESPAÑOL (Ezequiel): The.

710
00:27:35.170 --> 00:27:39.120
Dave Davis: Or taking the regulatory setting into consideration.

711
00:27:39.120 --> 00:27:40.000
INTÉRPRETE-ESPAÑOL (Ezequiel): We establish.

712
00:27:40.000 --> 00:27:40.930
Dave Davis: Thresholds, of.

713
00:27:40.930 --> 00:27:41.730
INTÉRPRETE-ESPAÑOL (Ezequiel): Afghans. It's a.

714
00:27:41.730 --> 00:27:42.480
Dave Davis: Science? What's.

715
00:27:42.480 --> 00:27:43.589
INTÉRPRETE-ESPAÑOL (Ezequiel): Significant impact.

716
00:27:44.020 --> 00:27:44.950
Dave Davis: Noise.

717
00:27:45.160 --> 00:27:46.129
INTÉRPRETE-ESPAÑOL (Ezequiel): It, you know.

718
00:27:46.130 --> 00:27:47.470
Dave Davis: An impact might be over.

719
00:27:47.470 --> 00:27:50.440
INTÉRPRETE-ESPAÑOL (Ezequiel): For x number of decibels, for.

720
00:27:50.440 --> 00:27:51.609
Dave Davis: Or air Quality.

721
00:27:52.010 --> 00:27:54.730
INTÉRPRETE-ESPAÑOL (Ezequiel): It might be a reading over.

722
00:27:54.730 --> 00:27:56.070

Dave Davis: For X

723
00:27:56.250 --> 00:27:59.800
Dave Davis: parts per 1 million of carbon monoxide.

724
00:28:00.670 --> 00:28:03.089
INTÉRPRETE-ESPAÑOL (Ezequiel): We do this for every resource area.

725
00:28:05.610 --> 00:28:08.719
Dave Davis: Then we hold the project up to the threshold. The.

726
00:28:09.175 --> 00:28:09.630
INTÉRPRETE-ESPAÑOL (Ezequiel): Sickness!

727
00:28:09.630 --> 00:28:11.330
Dave Davis: Thresholds of significance, excuse.

728
00:28:11.330 --> 00:28:13.699
INTÉRPRETE-ESPAÑOL (Ezequiel): Me and identify.

729
00:28:13.700 --> 00:28:14.190
Dave Davis: I.

730
00:28:14.415 --> 00:28:14.639
INTÉRPRETE-ESPAÑOL (Ezequiel): Private.

731
00:28:14.640 --> 00:28:15.920
Dave Davis: Checks, impacts.

732
00:28:16.950 --> 00:28:17.620
INTÉRPRETE-ESPAÑOL (Ezequiel): To that.

733
00:28:17.620 --> 00:28:19.400
Dave Davis: Resource area and then.

734
00:28:19.400 --> 00:28:20.540
INTÉRPRETE-ESPAÑOL (Ezequiel): And propose.

735
00:28:20.540 --> 00:28:21.470
Dave Davis: Reasonable, empty.

736
00:28:21.470 --> 00:28:22.980
INTÉRPRETE-ESPAÑOL (Ezequiel): Mitigable mitigation.

737
00:28:23.820 --> 00:28:25.070
INTÉRPRETE-ESPAÑOL (Ezequiel): To reduce.

738
00:28:25.070 --> 00:28:27.389
Dave Davis: Those impacts below the threshold.

739
00:28:27.390 --> 00:28:28.750
INTÉRPRETE-ESPAÑOL (Ezequiel): Of significance.

740
00:28:29.090 --> 00:28:29.929
Dave Davis: These are done.

741
00:28:29.930 --> 00:28:30.670
INTÉRPRETE-ESPAÑOL (Ezequiel): Through CPU.

742
00:28:30.670 --> 00:28:32.350
Dave Davis: You see as the lead agency.

743
00:28:32.988 --> 00:28:34.980
Dave Davis: And then we assess.

744
00:28:34.980 --> 00:28:35.390
INTÉRPRETE-ESPAÑOL (Ezequiel): Significant.

745
00:28:35.390 --> 00:28:37.250
Dave Davis: Of the impact. After a.

746
00:28:37.250 --> 00:28:38.909
INTÉRPRETE-ESPAÑOL (Ezequiel): Mitigation is applied.

747
00:28:40.960 --> 00:28:42.470
Dave Davis: We also evaluate.

748
00:28:42.470 --> 00:28:44.300
INTÉRPRETE-ESPAÑOL (Ezequiel): Cumulative impacts. The price.

749
00:28:44.300 --> 00:28:48.550

Dave Davis: Is not going to be constructed or operated in a vacuum. There's other things going on.

750
00:28:48.550 --> 00:28:49.710
INTÉRPRETE-ESPAÑOL (Ezequiel): In that part of the world so.

751
00:28:49.710 --> 00:28:51.290
Dave Davis: We have to take into consideration.

752
00:28:51.290 --> 00:28:52.040
INTÉRPRETE-ESPAÑOL (Ezequiel): And.

753
00:28:52.364 --> 00:28:58.520
Dave Davis: What impact the project would have considered with these other projects that might be occurring at the same time.

754
00:28:58.520 --> 00:28:59.100
INTÉRPRETE-ESPAÑOL (Ezequiel): And.

755
00:28:59.340 --> 00:29:04.660
Dave Davis: Or there's a similar project, and what you know what the fact.

756
00:29:04.660 --> 00:29:05.260
INTÉRPRETE-ESPAÑOL (Ezequiel): It might.

757
00:29:05.260 --> 00:29:06.110
Dave Davis: Have.

758
00:29:07.450 --> 00:29:09.189
Dave Davis: you know, relative to that.

759
00:29:10.290 --> 00:29:13.320
Dave Davis: And then we also consider impacts of alternative.

760
00:29:13.320 --> 00:29:14.080
INTÉRPRETE-ESPAÑOL (Ezequiel): It is.

761
00:29:15.560 --> 00:29:15.960
Dave Davis: Next.

762

00:29:15.960 --> 00:29:16.859
INTÉRPRETE-ESPAÑOL (Ezequiel): Like please.

763
00:29:21.910 --> 00:29:24.949
Dave Davis: So project alternatives under Ceqa.

764
00:29:25.717 --> 00:29:27.090
Dave Davis: Under SQL. We.

765
00:29:27.090 --> 00:29:27.750
INTÉRPRETE-ESPAÑOL (Ezequiel): Identify a.

766
00:29:27.750 --> 00:29:33.239
Dave Davis: Of reasonable alternatives that could avoid, or substantially less.

767
00:29:33.240 --> 00:29:34.329
INTÉRPRETE-ESPAÑOL (Ezequiel): And the significance.

768
00:29:34.330 --> 00:29:37.709
Dave Davis: Of an impact or impacts.

769
00:29:38.060 --> 00:29:38.759
INTÉRPRETE-ESPAÑOL (Ezequiel): The project!

770
00:29:40.200 --> 00:29:41.709
Dave Davis: Project, alternatives must be fees.

771
00:29:41.710 --> 00:29:42.270
INTÉRPRETE-ESPAÑOL (Ezequiel): Possible.

772
00:29:43.020 --> 00:29:43.560
Dave Davis: They got.

773
00:29:43.560 --> 00:29:44.120
INTÉRPRETE-ESPAÑOL (Ezequiel): Need to be.

774
00:29:44.120 --> 00:29:44.570
Dave Davis: Legal.

775
00:29:46.150 --> 00:29:47.410

Dave Davis: They need to

776
00:29:48.150 --> 00:29:48.750
INTÉRPRETE-ESPAÑOL (Ezequiel): Beefy.

777
00:29:48.750 --> 00:29:50.310
Dave Davis: Regulatorily.

778
00:29:50.480 --> 00:29:52.830
INTÉRPRETE-ESPAÑOL (Ezequiel): And also technical.

779
00:29:54.250 --> 00:29:54.770
INTÉRPRETE-ESPAÑOL (Ezequiel): we'll.

780
00:29:54.770 --> 00:29:58.079
Dave Davis: It needs to be buildable. It also needs to.

781
00:29:58.080 --> 00:29:58.550
INTÉRPRETE-ESPAÑOL (Ezequiel): Meet.

782
00:29:58.550 --> 00:30:00.129
Dave Davis: Most basic, project.

783
00:30:00.130 --> 00:30:01.590
INTÉRPRETE-ESPAÑOL (Ezequiel): Objectives.

784
00:30:03.130 --> 00:30:03.540
Dave Davis: Next slide.

785
00:30:03.960 --> 00:30:04.380
INTÉRPRETE-ESPAÑOL (Ezequiel): Please.

786
00:30:08.670 --> 00:30:14.260
Dave Davis: Here are the project objectives set forth by the applicant Ls power.

787
00:30:14.260 --> 00:30:14.800
INTÉRPRETE-ESPAÑOL (Ezequiel): I'm not.

788
00:30:14.800 --> 00:30:15.900
Dave Davis: Going to bring.

789
00:30:15.900 --> 00:30:16.370
INTÉRPRETE-ESPAÑOL (Ezequiel): Through.

790
00:30:16.370 --> 00:30:28.179
Dave Davis: Through all of those, but effectively, the objectives address service, reliability and delivering energy from renewable energy. Generation projects

791
00:30:28.560 --> 00:30:29.389
Dave Davis: again, this.

792
00:30:29.390 --> 00:30:30.170
INTÉRPRETE-ESPAÑOL (Ezequiel): Information is.

793
00:30:30.170 --> 00:30:30.540
Dave Davis: Also.

794
00:30:30.540 --> 00:30:31.090
INTÉRPRETE-ESPAÑOL (Ezequiel): Provided.

795
00:30:31.090 --> 00:30:32.159
Dave Davis: In the notice of preparation.

796
00:30:32.160 --> 00:30:32.600
INTÉRPRETE-ESPAÑOL (Ezequiel): That's.

797
00:30:32.600 --> 00:30:33.650
Dave Davis: Find online.

798
00:30:34.004 --> 00:30:35.420
INTÉRPRETE-ESPAÑOL (Ezequiel): At the Cpc website.

799
00:30:39.157 --> 00:30:40.110
Dave Davis: Next slide, please.

800
00:30:42.430 --> 00:30:44.759
Dave Davis: So alternative alternatives may include.

801
00:30:44.760 --> 00:30:45.320
INTÉRPRETE-ESPAÑOL (Ezequiel): Dude.

802
00:30:45.510 --> 00:30:47.470
Dave Davis: Those suggested by the applicant.

803
00:30:48.870 --> 00:30:52.680
Dave Davis: those suggested by you folks, the public and agencies.

804
00:30:53.090 --> 00:30:54.280
Dave Davis: and then also those.

805
00:30:54.280 --> 00:30:55.150
INTÉRPRETE-ESPAÑOL (Ezequiel): Those developed.

806
00:30:55.150 --> 00:30:55.780
Dave Davis: By the Cp.

807
00:30:55.780 --> 00:30:57.870
INTÉRPRETE-ESPAÑOL (Ezequiel): The team, Cpuc.

808
00:30:57.870 --> 00:30:58.370
Dave Davis: With the same.

809
00:30:58.370 --> 00:30:58.750
INTÉRPRETE-ESPAÑOL (Ezequiel): Instance.

810
00:30:58.750 --> 00:31:00.080
Dave Davis: From Esa.

811
00:31:00.080 --> 00:31:02.260
INTÉRPRETE-ESPAÑOL (Ezequiel): Environmental science associates.

812
00:31:03.720 --> 00:31:05.310
Dave Davis: The Project Alternative.

813
00:31:05.310 --> 00:31:06.310
INTÉRPRETE-ESPAÑOL (Ezequiel): Those need to be.

814
00:31:06.310 --> 00:31:08.779
Dave Davis: They're characterized in terms of location.

815

00:31:08.780 --> 00:31:09.170
INTÉRPRETE-ESPAÑOL (Ezequiel): Office.

816
00:31:09.170 --> 00:31:10.010
Dave Davis: One of these

817
00:31:10.680 --> 00:31:11.760
Dave Davis: routes

818
00:31:12.360 --> 00:31:13.730
Dave Davis: technology

819
00:31:14.620 --> 00:31:15.440
Dave Davis: and.

820
00:31:15.440 --> 00:31:18.499
INTÉRPRETE-ESPAÑOL (Ezequiel): Considerations that may come up through this.

821
00:31:18.500 --> 00:31:19.730
Dave Davis: This scoping process.

822
00:31:20.070 --> 00:31:21.350
INTÉRPRETE-ESPAÑOL (Ezequiel): Or just through.

823
00:31:21.846 --> 00:31:23.830
Dave Davis: Our conversations during the.

824
00:31:23.830 --> 00:31:25.630
INTÉRPRETE-ESPAÑOL (Ezequiel): Environmental Impact analysis.

825
00:31:27.270 --> 00:31:29.560
Dave Davis: And then finally, we look at the no project alternative.

826
00:31:29.790 --> 00:31:30.250
INTÉRPRETE-ESPAÑOL (Ezequiel): It is.

827
00:31:31.170 --> 00:31:31.790
Dave Davis: Be the effect.

828
00:31:31.790 --> 00:31:32.220

INTÉRPRETE-ESPAÑOL (Ezequiel): To the end.

829
00:31:32.220 --> 00:31:33.110
Dave Davis: Environment. That's a.

830
00:31:33.110 --> 00:31:34.460
INTÉRPRETE-ESPAÑOL (Ezequiel): Project did not happen.

831
00:31:35.020 --> 00:31:36.039
Dave Davis: This just isn't.

832
00:31:36.040 --> 00:31:38.499
INTÉRPRETE-ESPAÑOL (Ezequiel): Going back to the existing.

833
00:31:38.500 --> 00:31:41.040
Dave Davis: Setting to the existing condition, because.

834
00:31:41.040 --> 00:31:42.660
INTÉRPRETE-ESPAÑOL (Ezequiel): Life moves on. There's other.

835
00:31:42.660 --> 00:31:43.740
Dave Davis: Projects.

836
00:31:43.740 --> 00:31:45.280
INTÉRPRETE-ESPAÑOL (Ezequiel): That could occur in.

837
00:31:45.280 --> 00:31:46.800
Dave Davis: Area, or.

838
00:31:47.080 --> 00:31:47.870
INTÉRPRETE-ESPAÑOL (Ezequiel): There could be.

839
00:31:47.870 --> 00:31:52.920
Dave Davis: Other projects that would fill the need that this project would have filled.

840
00:31:52.920 --> 00:31:54.370
INTÉRPRETE-ESPAÑOL (Ezequiel): But it's not being built.

841
00:31:57.580 --> 00:32:01.139
Dave Davis: So very briefly. That is the sequel process.

842
00:32:01.420 --> 00:32:02.770
INTÉRPRETE-ESPAÑOL (Ezequiel): The Eir.

843
00:32:03.740 --> 00:32:04.270
Dave Davis: At this point.

844
00:32:04.270 --> 00:32:05.000
INTÉRPRETE-ESPAÑOL (Ezequiel): I'd like.

845
00:32:05.000 --> 00:32:05.470
Dave Davis: To.

846
00:32:05.470 --> 00:32:06.230
INTÉRPRETE-ESPAÑOL (Ezequiel): Turn it back over to.

847
00:32:06.230 --> 00:32:10.210
Dave Davis: Tommy to wrap this up and then take us into the.

848
00:32:10.570 --> 00:32:11.250
INTÉRPRETE-ESPAÑOL (Ezequiel): Public

849
00:32:13.010 --> 00:32:14.550
Dave Davis: Public question, period.

850
00:32:20.770 --> 00:32:21.650
Tommy Alexander: Thanks, Dave.

851
00:32:23.990 --> 00:32:27.129
Tommy Alexander: So here's how you can get involved in the secret process.

852
00:32:27.640 --> 00:32:29.240
Tommy Alexander: In a few minutes you'll have the.

853
00:32:29.240 --> 00:32:29.620
INTÉRPRETE-ESPAÑOL (Ezequiel): Opportunity.

854
00:32:29.620 --> 00:32:31.989
Tommy Alexander: To provide verbal input on these.

855
00:32:31.990 --> 00:32:33.610
INTÉRPRETE-ESPAÑOL (Ezequiel): Scope and content of the.

856
00:32:33.610 --> 00:32:34.509
Tommy Alexander: Yeah, IR.

857
00:32:34.900 --> 00:32:35.980
INTÉRPRETE-ESPAÑOL (Ezequiel): Part of this meeting.

858
00:32:37.010 --> 00:32:37.430
Tommy Alexander: However.

859
00:32:37.430 --> 00:32:37.870
INTÉRPRETE-ESPAÑOL (Ezequiel): You can.

860
00:32:37.870 --> 00:32:38.360
Tommy Alexander: So.

861
00:32:38.360 --> 00:32:38.880
INTÉRPRETE-ESPAÑOL (Ezequiel): Commit or raise.

862
00:32:38.880 --> 00:32:41.119
Tommy Alexander: And comment by email or.

863
00:32:41.120 --> 00:32:42.680
INTÉRPRETE-ESPAÑOL (Ezequiel): Physical Mail, as I'll explain.

864
00:32:42.803 --> 00:32:43.049
Tommy Alexander: The next.

865
00:32:43.050 --> 00:32:43.770
INTÉRPRETE-ESPAÑOL (Ezequiel): Slide.

866
00:32:44.880 --> 00:32:50.219
Tommy Alexander: Either way, you'll need to provide your scoping comments during the 30 day scoping period which began.

867
00:32:50.220 --> 00:32:51.529
INTÉRPRETE-ESPAÑOL (Ezequiel): When we sent the notice of Prep.

868

00:32:51.530 --> 00:32:53.500
Tommy Alexander: Operation. On July 29.th

869
00:32:53.770 --> 00:32:57.819
INTÉRPRETE-ESPAÑOL (Ezequiel): And will end on August 30, th at 5 5 o'clock Pm.

870
00:32:59.570 --> 00:33:00.120
INTÉRPRETE-ESPAÑOL (Ezequiel): We anticipate.

871
00:33:00.120 --> 00:33:00.750
Tommy Alexander: Debate Released.

872
00:33:00.750 --> 00:33:01.120
INTÉRPRETE-ESPAÑOL (Ezequiel): Address.

873
00:33:01.120 --> 00:33:05.099
Tommy Alexander: Dir for public review in April 2025,

874
00:33:05.380 --> 00:33:08.240
Tommy Alexander: you will have the opportunity to review and comment.

875
00:33:08.240 --> 00:33:09.180
INTÉRPRETE-ESPAÑOL (Ezequiel): On the draft deal.

876
00:33:09.180 --> 00:33:10.639
Tommy Alexander: IR. At that time.

877
00:33:12.050 --> 00:33:13.680
Tommy Alexander: You can also see more detail.

878
00:33:13.680 --> 00:33:15.210
INTÉRPRETE-ESPAÑOL (Ezequiel): About the project at the.

879
00:33:15.210 --> 00:33:16.860
Tommy Alexander: Cpc. Project, webpage.

880
00:33:17.120 --> 00:33:18.930
INTÉRPRETE-ESPAÑOL (Ezequiel): By entering the URL.

881
00:33:18.930 --> 00:33:19.540

Tommy Alexander: The bottom of.

882
00:33:19.540 --> 00:33:21.449
INTÉRPRETE-ESPAÑOL (Ezequiel): Slide into your browser.

883
00:33:22.390 --> 00:33:26.119
INTÉRPRETE-ESPAÑOL (Ezequiel): This web page includes a brief project overview project.

884
00:33:26.120 --> 00:33:27.000
Tommy Alexander: Schedule.

885
00:33:27.510 --> 00:33:28.160
INTÉRPRETE-ESPAÑOL (Ezequiel): Sticky document.

886
00:33:28.160 --> 00:33:29.380
Tommy Alexander: And.

887
00:33:29.380 --> 00:33:29.730
INTÉRPRETE-ESPAÑOL (Ezequiel): Magic.

888
00:33:29.730 --> 00:33:31.020
Tommy Alexander: Email and phone number.

889
00:33:31.020 --> 00:33:34.619
INTÉRPRETE-ESPAÑOL (Ezequiel): Which you can use to contact us, to request additional information.

890
00:33:35.490 --> 00:33:37.680
Tommy Alexander: I'll share this link again. At the end of the meeting

891
00:33:39.190 --> 00:33:39.860
Tommy Alexander: next slide.

892
00:33:43.610 --> 00:33:44.120
INTÉRPRETE-ESPAÑOL (Ezequiel): So.

893
00:33:44.120 --> 00:33:45.739
Tommy Alexander: You're submitting written comments.

894
00:33:45.740 --> 00:33:46.520

INTÉRPRETE-ESPAÑOL (Ezequiel): Via Physical.

895
00:33:46.520 --> 00:33:51.149
Tommy Alexander: Email. You can address your comment letter to me, Tommy Alexander, care of.

896
00:33:51.150 --> 00:33:51.500
INTÉRPRETE-ESPAÑOL (Ezequiel): Yes.

897
00:33:51.500 --> 00:33:52.699
Tommy Alexander: Say, at.

898
00:33:52.700 --> 00:33:53.170
INTÉRPRETE-ESPAÑOL (Ezequiel): At.

899
00:33:53.170 --> 00:33:53.800
Tommy Alexander: Asked less than.

900
00:33:54.110 --> 00:33:54.729
INTÉRPRETE-ESPAÑOL (Ezequiel): This slide

901
00:33:56.640 --> 00:33:57.340
INTÉRPRETE-ESPAÑOL (Ezequiel): if you're sitting.

902
00:33:57.340 --> 00:33:59.439
Tommy Alexander: Written comments via email, you can.

903
00:33:59.440 --> 00:33:59.930
INTÉRPRETE-ESPAÑOL (Ezequiel): Simply.

904
00:33:59.930 --> 00:34:00.430
Tommy Alexander: Email, then.

905
00:34:00.721 --> 00:34:03.639
INTÉRPRETE-ESPAÑOL (Ezequiel): To the project email address that's listed on the screen.

906
00:34:04.040 --> 00:34:04.750
Tommy Alexander: Power, this.

907
00:34:04.750 --> 00:34:05.680

INTÉRPRETE-ESPAÑOL (Ezequiel): Bath Bay.

908
00:34:05.860 --> 00:34:06.520
Tommy Alexander: At ef.

909
00:34:06.520 --> 00:34:09.429
INTÉRPRETE-ESPAÑOL (Ezequiel): SASS oc.com.

910
00:34:11.190 --> 00:34:14.570
Tommy Alexander: This email address is also listed on the project webpage that we.

911
00:34:14.570 --> 00:34:16.640
INTÉRPRETE-ESPAÑOL (Ezequiel): Linked on the prior, the prior slide.

912
00:34:18.080 --> 00:34:19.459
Tommy Alexander: Again the deadline to provide.

913
00:34:19.460 --> 00:34:20.210
INTÉRPRETE-ESPAÑOL (Ezequiel): Comments.

914
00:34:20.219 --> 00:34:21.889
Tommy Alexander: Is Friday, August 30.th

915
00:34:22.719 --> 00:34:23.399
INTÉRPRETE-ESPAÑOL (Ezequiel): 2020.

916
00:34:23.400 --> 00:34:24.649
Tommy Alexander: For 5 o'clock.

917
00:34:24.659 --> 00:34:27.099
INTÉRPRETE-ESPAÑOL (Ezequiel): Pm, so just over 2 weeks from today.

918
00:34:28.840 --> 00:34:29.630
Tommy Alexander: Next slide.

919
00:34:32.699 --> 00:34:36.919
Tommy Alexander: Okay, so thank you. Everyone for your patience. Then this next part of the meeting is your chance.

920
00:34:36.929 --> 00:34:38.269

INTÉRPRETE-ESPAÑOL (Ezequiel): To provide verbal.

921
00:34:38.270 --> 00:34:39.090
Tommy Alexander: Comments.

922
00:34:39.340 --> 00:34:40.059
Tommy Alexander: We can go next.

923
00:34:40.060 --> 00:34:40.719
INTÉRPRETE-ESPAÑOL (Ezequiel): Slide.

924
00:34:43.159 --> 00:34:47.379
Tommy Alexander: First.st just a few discussion. Guidelines. Please please be sure to follow these guidelines.

925
00:34:47.380 --> 00:34:49.229
INTÉRPRETE-ESPAÑOL (Ezequiel): Lines when providing your comments.

926
00:34:49.480 --> 00:34:50.560
Tommy Alexander: First, st please.

927
00:34:50.560 --> 00:34:51.550
INTÉRPRETE-ESPAÑOL (Ezequiel): Concise.

928
00:34:52.040 --> 00:34:53.559
Tommy Alexander: Person will have 2 min. Just.

929
00:34:54.070 --> 00:34:54.840
INTÉRPRETE-ESPAÑOL (Ezequiel): And we want.

930
00:34:54.840 --> 00:34:55.479
Tommy Alexander: To ensure.

931
00:34:55.480 --> 00:34:55.840
INTÉRPRETE-ESPAÑOL (Ezequiel): Everyone.

932
00:34:55.840 --> 00:34:56.419
Tommy Alexander: Has the change.

933
00:34:56.420 --> 00:34:57.479
INTÉRPRETE-ESPAÑOL (Ezequiel): To participate.

934
00:34:58.620 --> 00:34:59.960
Tommy Alexander: Please keep your comments under.

935
00:34:59.960 --> 00:35:00.890
INTÉRPRETE-ESPAÑOL (Ezequiel): Minutes.

936
00:35:00.890 --> 00:35:04.799
Tommy Alexander: But also remember that our interpreter, Zeke, will be translating your comments.

937
00:35:04.800 --> 00:35:05.880
INTÉRPRETE-ESPAÑOL (Ezequiel): In real time.

938
00:35:06.020 --> 00:35:08.119
INTÉRPRETE-ESPAÑOL (Ezequiel): So please try to speak slowly

939
00:35:09.720 --> 00:35:10.580
INTÉRPRETE-ESPAÑOL (Ezequiel): next.

940
00:35:10.580 --> 00:35:11.210
Tommy Alexander: Stay on topic.

941
00:35:11.670 --> 00:35:12.850
INTÉRPRETE-ESPAÑOL (Ezequiel): Again the purpose.

942
00:35:12.850 --> 00:35:14.100
Tommy Alexander: Of this meeting is to receive.

943
00:35:14.100 --> 00:35:14.960
INTÉRPRETE-ESPAÑOL (Ezequiel): Of input on.

944
00:35:14.960 --> 00:35:16.229
Tommy Alexander: And the scope and content.

945
00:35:16.390 --> 00:35:17.789
INTÉRPRETE-ESPAÑOL (Ezequiel): Of the secret document.

946
00:35:17.790 --> 00:35:18.170
Tommy Alexander: This evening.

947
00:35:18.170 --> 00:35:19.459
INTÉRPRETE-ESPAÑOL (Ezequiel): DC. Is preparing

948
00:35:19.470 --> 00:35:20.570
INTÉRPRETE-ESPAÑOL (Ezequiel): for the power of this app.

949
00:35:21.035 --> 00:35:21.500
Tommy Alexander: Project!

950
00:35:23.270 --> 00:35:23.820
Tommy Alexander: 3.rd

951
00:35:23.940 --> 00:35:25.819
INTÉRPRETE-ESPAÑOL (Ezequiel): Respect others, opinions.

952
00:35:26.270 --> 00:35:27.050
Tommy Alexander: The purpose of this.

953
00:35:27.050 --> 00:35:29.119
INTÉRPRETE-ESPAÑOL (Ezequiel): Is not to debate, but some.

954
00:35:29.120 --> 00:35:31.710
Tommy Alexander: To collect input. All ideas are.

955
00:35:31.710 --> 00:35:33.230
INTÉRPRETE-ESPAÑOL (Ezequiel): Welcome, and invited

956
00:35:35.550 --> 00:35:36.050
INTÉRPRETE-ESPAÑOL (Ezequiel): next.

957
00:35:36.050 --> 00:35:38.470
Tommy Alexander: Comments will be recorded and.

958
00:35:38.470 --> 00:35:39.310
INTÉRPRETE-ESPAÑOL (Ezequiel): Included in the.

959
00:35:39.310 --> 00:35:39.700
Tommy Alexander: Ministry.

960
00:35:39.700 --> 00:35:40.429

INTÉRPRETE-ESPAÑOL (Ezequiel): Of record.

961
00:35:40.430 --> 00:35:41.130
Tommy Alexander: So.

962
00:35:41.130 --> 00:35:41.540
INTÉRPRETE-ESPAÑOL (Ezequiel): If you prefer.

963
00:35:41.540 --> 00:35:41.900
Tommy Alexander: For.

964
00:35:41.900 --> 00:35:43.520
INTÉRPRETE-ESPAÑOL (Ezequiel): To have your voice recorded. Please.

965
00:35:43.520 --> 00:35:44.170
Tommy Alexander: Feel free, to.

966
00:35:44.170 --> 00:35:46.060
INTÉRPRETE-ESPAÑOL (Ezequiel): Submit a written comment instead.

967
00:35:47.150 --> 00:35:51.100
Tommy Alexander: And on that note written comments are encouraged, especially if you'd like to say.

968
00:35:51.100 --> 00:35:52.379
INTÉRPRETE-ESPAÑOL (Ezequiel): More than you can share, and.

969
00:35:52.380 --> 00:35:53.250
Tommy Alexander: Few minutes.

970
00:35:53.430 --> 00:35:55.130
Tommy Alexander: However, if you're a

971
00:35:55.140 --> 00:35:56.570
Tommy Alexander: you're welcome to provide.

972
00:35:56.890 --> 00:35:59.419
INTÉRPRETE-ESPAÑOL (Ezequiel): To provide both verbal and written comments.

973
00:36:01.770 --> 00:36:03.500

INTÉRPRETE-ESPAÑOL (Ezequiel): and we can go next slide.

974
00:36:06.680 --> 00:36:10.790
Tommy Alexander: So this is the public comment portion of the meeting. If you would like to make.

975
00:36:11.180 --> 00:36:11.959
INTÉRPRETE-ESPAÑOL (Ezequiel): Verbal comment.

976
00:36:11.960 --> 00:36:14.609
Tommy Alexander: And are participating via the Zoom Platform.

977
00:36:14.720 --> 00:36:16.050
Tommy Alexander: Please click the raise hand.

978
00:36:16.050 --> 00:36:16.529
INTÉRPRETE-ESPAÑOL (Ezequiel): And Icon.

979
00:36:16.530 --> 00:36:17.499
Tommy Alexander: At the bottom of.

980
00:36:17.500 --> 00:36:19.300
INTÉRPRETE-ESPAÑOL (Ezequiel): Screen to raise your hand.

981
00:36:20.030 --> 00:36:20.950
Tommy Alexander: You're calling in Via.

982
00:36:20.950 --> 00:36:21.780
INTÉRPRETE-ESPAÑOL (Ezequiel): Telephone.

983
00:36:22.040 --> 00:36:23.089
Tommy Alexander: Style, star and.

984
00:36:23.090 --> 00:36:24.000
INTÉRPRETE-ESPAÑOL (Ezequiel): To, your.

985
00:36:24.000 --> 00:36:24.480
Tommy Alexander: Question.

986
00:36:24.480 --> 00:36:25.420
INTÉRPRETE-ESPAÑOL (Ezequiel): Raise your hand.

987
00:36:26.460 --> 00:36:26.920
Tommy Alexander: Call on!

988
00:36:26.920 --> 00:36:27.839
INTÉRPRETE-ESPAÑOL (Ezequiel): You in the order that hand.

989
00:36:27.840 --> 00:36:28.780
Tommy Alexander: Are raised

990
00:36:29.650 --> 00:36:30.799
Tommy Alexander: when it's your turn to speak.

991
00:36:30.800 --> 00:36:31.429
INTÉRPRETE-ESPAÑOL (Ezequiel): We'll get.

992
00:36:31.430 --> 00:36:33.329
Tommy Alexander: You the ability to unmute yourself.

993
00:36:33.530 --> 00:36:35.120
INTÉRPRETE-ESPAÑOL (Ezequiel): And then please state.

994
00:36:35.120 --> 00:36:36.230
Tommy Alexander: Your name, and affiliate.

995
00:36:36.230 --> 00:36:36.920
INTÉRPRETE-ESPAÑOL (Ezequiel): And.

996
00:36:37.340 --> 00:36:37.790
Tommy Alexander: And you'll.

997
00:36:37.790 --> 00:36:39.639
INTÉRPRETE-ESPAÑOL (Ezequiel): Have 2 min to make your comments.

998
00:36:40.750 --> 00:36:42.989
Tommy Alexander: And also submit your comments in the Q&A. Bio.

999
00:36:42.990 --> 00:36:43.770
INTÉRPRETE-ESPAÑOL (Ezequiel): By a click.

1000

00:36:43.770 --> 00:36:44.520
Tommy Alexander: The Q. And a.

1001
00:36:44.748 --> 00:36:46.350
INTÉRPRETE-ESPAÑOL (Ezequiel): Button at the bottom of the screen.

1002
00:36:47.470 --> 00:36:49.469
INTÉRPRETE-ESPAÑOL (Ezequiel): so feel free to go ahead. Andrew.

1003
00:36:49.470 --> 00:36:50.250
Tommy Alexander: Your hands.

1004
00:37:39.940 --> 00:37:43.300
Tommy Alexander: I'm not seeing any hands yet, so we're just gonna hang on for.

1005
00:37:43.300 --> 00:37:44.520
INTÉRPRETE-ESPAÑOL (Ezequiel): Few minutes, and.

1006
00:37:44.520 --> 00:37:45.240
Tommy Alexander: Anyone who.

1007
00:37:45.240 --> 00:37:46.139
INTÉRPRETE-ESPAÑOL (Ezequiel): Like to.

1008
00:37:46.140 --> 00:37:46.890
Tommy Alexander: Provide a comment.

1009
00:37:46.890 --> 00:37:48.340
INTÉRPRETE-ESPAÑOL (Ezequiel): Opportunity to do so.

1010
00:37:48.830 --> 00:37:49.700
INTÉRPRETE-ESPAÑOL (Ezequiel): Thank you.

1011
00:42:31.380 --> 00:42:37.390
Tommy Alexander: Okay, everyone. Well, it's it's been about 5 min, and we have not had any raised hands, and we have not received.

1012
00:42:37.390 --> 00:42:38.060
INTÉRPRETE-ESPAÑOL (Ezequiel): Any questions

1013

00:42:38.470 --> 00:42:39.330
INTÉRPRETE-ESPAÑOL (Ezequiel): in the account.

1014
00:42:39.330 --> 00:42:39.890
Tommy Alexander: Apex.

1015
00:42:40.480 --> 00:42:43.040
INTÉRPRETE-ESPAÑOL (Ezequiel): So I think we can. We can safely.

1016
00:42:43.040 --> 00:42:43.510
Tommy Alexander: Was out.

1017
00:42:44.260 --> 00:42:46.639
INTÉRPRETE-ESPAÑOL (Ezequiel): And and wrap it up so.

1018
00:42:46.640 --> 00:42:48.800
Tommy Alexander: Thank you, everyone, for your patience here, and vince.

1019
00:42:48.800 --> 00:42:50.180
INTÉRPRETE-ESPAÑOL (Ezequiel): You can go to the last slide.

1020
00:42:57.020 --> 00:43:00.119
Tommy Alexander: Okay, so thank you all again for joining we. We appreciate you.

1021
00:43:00.120 --> 00:43:01.450
INTÉRPRETE-ESPAÑOL (Ezequiel): Taking the time to join.

1022
00:43:01.450 --> 00:43:02.499
Tommy Alexander: And meeting. Today.

1023
00:43:02.740 --> 00:43:04.500
Tommy Alexander: we're showing on this slide. The.

1024
00:43:04.500 --> 00:43:04.860
INTÉRPRETE-ESPAÑOL (Ezequiel): Magic.

1025
00:43:04.860 --> 00:43:10.160
Tommy Alexander: Mailing address, email and project webpage link again for anyone who missed it.

1026

00:43:11.770 --> 00:43:13.400
Tommy Alexander: Just want to remind everyone that works good.

1027
00:43:13.400 --> 00:43:15.550
INTÉRPRETE-ESPAÑOL (Ezequiel): Accepting scoping comments for 2 more.

1028
00:43:15.550 --> 00:43:16.290
Tommy Alexander: Weeks.

1029
00:43:16.310 --> 00:43:17.090
INTÉRPRETE-ESPAÑOL (Ezequiel): Until.

1030
00:43:17.090 --> 00:43:17.760
Tommy Alexander: August 30.

1031
00:43:17.760 --> 00:43:19.100
INTÉRPRETE-ESPAÑOL (Ezequiel): Yeah, 2024.

1032
00:43:19.800 --> 00:43:20.630
INTÉRPRETE-ESPAÑOL (Ezequiel): I also want.

1033
00:43:20.630 --> 00:43:21.460
Tommy Alexander: To.

1034
00:43:22.170 --> 00:43:22.630
INTÉRPRETE-ESPAÑOL (Ezequiel): That.

1035
00:43:23.420 --> 00:43:29.440
Tommy Alexander: While we do have a another scoping meeting, following the exact same format this meeting or this evening

1036
00:43:30.447 --> 00:43:33.500
Tommy Alexander: that, that'll have the exact same presentation and and sort of.

1037
00:43:33.500 --> 00:43:33.840
INTÉRPRETE-ESPAÑOL (Ezequiel): Per.

1038
00:43:33.840 --> 00:43:35.949
Tommy Alexander: Present format as this meeting. So.

1039

00:43:36.090 --> 00:43:37.829
INTÉRPRETE-ESPAÑOL (Ezequiel): There's no need to attend both meetings.

1040
00:43:37.830 --> 00:43:38.360
Tommy Alexander: Things, and.

1041
00:43:38.360 --> 00:43:39.799
INTÉRPRETE-ESPAÑOL (Ezequiel): I see. Think of a comment

1042
00:43:39.820 --> 00:43:40.950
INTÉRPRETE-ESPAÑOL (Ezequiel): that you

1043
00:43:41.670 --> 00:43:43.899
INTÉRPRETE-ESPAÑOL (Ezequiel): did not make here, and would like to share.

1044
00:43:48.800 --> 00:43:53.350
Tommy Alexander: And with that I I think that's all. So thank thank you all again for your time. We look forward.

1045
00:43:53.350 --> 00:43:54.570
INTÉRPRETE-ESPAÑOL (Ezequiel): To receiving any written.

1046
00:43:54.570 --> 00:43:57.159
Tommy Alexander: Comments that you provide, and hope you.

1047
00:43:57.160 --> 00:43:58.829
INTÉRPRETE-ESPAÑOL (Ezequiel): Have a good evening. Thank you.

Thursday, August 15th – 6:30 PM

1
00:00:46.270 --> 00:00:48.110
Tommy Alexander: Hi, everyone. Thanks for joining.

2
00:00:48.230 --> 00:00:52.700
Tommy Alexander: We're gonna wait a few minutes to allow more attendees. The opportunity to call in.

3
00:02:53.690 --> 00:02:58.650
Tommy Alexander: Okay, well, it's 6, 33. So I'm going to go ahead and get started.

4
00:03:05.070 --> 00:03:15.620
Tommy Alexander: Hello, and welcome to the California Environmental Quality Act or Ceqa scoping meeting for the power. The South Bay project proposed by Ls power grid, California.

5
00:03:23.440 --> 00:03:32.239
INTÉRPRETE – ESPAÑOL (Ezequiel): Power, the South Bay.

6
00:03:34.840 --> 00:03:40.450
Tommy Alexander: I'm Tommy Alexander, the project manager for the California Public Utilities Commission or Cpuc.

7
00:03:41.720 --> 00:03:47.820
INTÉRPRETE – ESPAÑOL (Ezequiel): Demo, Tommy Alexander Cpuc.

8
00:03:49.270 --> 00:03:51.779
Tommy Alexander: Thank you everyone for taking the time to join us today.

9
00:03:58.050 --> 00:04:03.810
Tommy Alexander: This is the second of 2 virtual scoping meetings we're holding today to receive public comments on this project.

10
00:04:04.420 --> 00:04:07.200
INTÉRPRETE – ESPAÑOL (Ezequiel): Estes launder union de dos

11
00:04:07.320 --> 00:04:14.459
INTÉRPRETE – ESPAÑOL (Ezequiel): reunions de exploration.

12
00:04:15.570 --> 00:04:20.029

Tommy Alexander: On the next few slides I'll introduce the agenda presenters and purpose for the meeting.

13
00:04:21.459 --> 00:04:23.009
INTÉRPRETE – ESPAÑOL (Ezequiel): Elas, Proximos, Daminas.

14
00:04:30.320 --> 00:04:31.170
Tommy Alexander: Next slide.

15
00:04:34.980 --> 00:04:39.249
Tommy Alexander: We are offering the option to participate in either English or Spanish today.

16
00:04:39.940 --> 00:04:44.470
INTÉRPRETE – ESPAÑOL (Ezequiel): Estamos of reason, in English or in Espanol.

17
00:04:45.140 --> 00:04:49.619
Tommy Alexander: On this slide. I'll explain how you can select a language by following the steps on the screen.

18
00:04:59.960 --> 00:05:07.500
Tommy Alexander: 1st click the interpretation button at the bottom of your screen and select your preferred language, either English or Spanish.

19
00:05:18.860 --> 00:05:25.490
Tommy Alexander: Then, once you've selected your preferred language, please click the interpretation button and then click mute, original audio.

20
00:05:26.720 --> 00:05:29.230
INTÉRPRETE – ESPAÑOL (Ezequiel): It displays their selection of Cdioma.

21
00:05:38.240 --> 00:05:40.980
Tommy Alexander: I'll wait a minute for everyone to follow the steps on the screen.

22
00:06:11.740 --> 00:06:15.059
Tommy Alexander: Okay, now you should be in the room with your selected language.

23
00:06:19.360 --> 00:06:22.320

Tommy Alexander: Everything I say in the English Channel will be translated and read.

24
00:06:22.320 --> 00:06:22.920
INTÉRPRETE – ESPAÑOL (Ezequiel): Time.

25
00:06:22.920 --> 00:06:23.420
Tommy Alexander: In the Spanish.

26
00:06:23.420 --> 00:06:24.150
INTÉRPRETE – ESPAÑOL (Ezequiel): Channel.

27
00:06:25.410 --> 00:06:27.089
Tommy Alexander: Can't hear us, or our experience.

28
00:06:27.090 --> 00:06:27.550
INTÉRPRETE – ESPAÑOL (Ezequiel): Different.

29
00:06:27.550 --> 00:06:29.899
Tommy Alexander: Please feel free to let us.

30
00:06:29.900 --> 00:06:30.600
INTÉRPRETE – ESPAÑOL (Ezequiel): Know.

31
00:06:30.960 --> 00:06:32.030
Tommy Alexander: Using the Q&A.

32
00:06:32.030 --> 00:06:33.830
INTÉRPRETE – ESPAÑOL (Ezequiel): Button at the bottom of the screen.

33
00:06:36.750 --> 00:06:37.630
Tommy Alexander: Next slide.

34
00:06:41.200 --> 00:06:42.590
Tommy Alexander: This is the agenda for today.

35
00:06:42.590 --> 00:06:43.530
INTÉRPRETE – ESPAÑOL (Ezequiel): Today's meeting.

36
00:06:44.050 --> 00:06:46.170
Tommy Alexander: We'll start with brief introductions. Then.

37
00:06:46.170 --> 00:06:47.179
INTÉRPRETE – ESPAÑOL (Ezequiel): Discuss the purpose.

38
00:06:47.180 --> 00:06:47.510
Tommy Alexander: The meeting.

39
00:06:47.510 --> 00:06:48.700
INTÉRPRETE – ESPAÑOL (Ezequiel): The applicant.

40
00:06:48.700 --> 00:06:50.310
Tommy Alexander: And permitting process.

41
00:06:50.570 --> 00:06:52.119
INTÉRPRETE – ESPAÑOL (Ezequiel): The environmental review.

42
00:06:52.120 --> 00:06:53.000
Tommy Alexander: Process, for.

43
00:06:53.000 --> 00:06:54.069
INTÉRPRETE – ESPAÑOL (Ezequiel): Into Ceqa.

44
00:06:54.600 --> 00:06:56.209
INTÉRPRETE – ESPAÑOL (Ezequiel): The project overview

45
00:06:56.940 --> 00:06:58.200
INTÉRPRETE – ESPAÑOL (Ezequiel): an overview of the.

46
00:06:58.200 --> 00:06:59.340
Tommy Alexander: Scoping process.

47
00:06:59.340 --> 00:07:00.420
INTÉRPRETE – ESPAÑOL (Ezequiel): And environmental impact.

48
00:07:00.420 --> 00:07:01.780
Tommy Alexander: Extend alternatives.

49
00:07:02.200 --> 00:07:05.119
Tommy Alexander: Then we'll have time at the end for anyone who would.

50

00:07:05.120 --> 00:07:06.009
INTÉRPRETE – ESPAÑOL (Ezequiel): Like to provide verbal.

51
00:07:06.030 --> 00:07:07.150
Tommy Alexander: Comments and will.

52
00:07:07.150 --> 00:07:10.379
INTÉRPRETE – ESPAÑOL (Ezequiel): Explain other ways. You can participate in the SQL. Process.

53
00:07:12.660 --> 00:07:13.380
Tommy Alexander: Next slide.

54
00:07:17.560 --> 00:07:19.629
Tommy Alexander: As I mentioned earlier. I'm Tommy Alexander.

55
00:07:19.630 --> 00:07:20.260
INTÉRPRETE – ESPAÑOL (Ezequiel): Ander.

56
00:07:20.520 --> 00:07:21.900
INTÉRPRETE – ESPAÑOL (Ezequiel): I'm the project manager.

57
00:07:21.900 --> 00:07:26.090
Tommy Alexander: For the California California Public Utilities Commission or.

58
00:07:26.090 --> 00:07:26.420
INTÉRPRETE – ESPAÑOL (Ezequiel): CPU.

59
00:07:26.420 --> 00:07:27.120
Tommy Alexander: You see.

60
00:07:27.970 --> 00:07:30.229
Tommy Alexander: the Cpc. Is the State Lead Agency.

61
00:07:30.230 --> 00:07:31.420
INTÉRPRETE – ESPAÑOL (Ezequiel): See for the environmental.

62
00:07:31.420 --> 00:07:32.400
Tommy Alexander: You process pretty.

63

00:07:32.400 --> 00:07:33.600
INTÉRPRETE – ESPAÑOL (Ezequiel): She went to the California.

64
00:07:33.600 --> 00:07:35.400
Tommy Alexander: Environmental Quality Act, or.

65
00:07:35.400 --> 00:07:36.270
INTÉRPRETE – ESPAÑOL (Ezequiel): Ceqa.

66
00:07:37.800 --> 00:07:39.679
Tommy Alexander: We're also joined here today by several.

67
00:07:39.680 --> 00:07:41.140
INTÉRPRETE – ESPAÑOL (Ezequiel): Representatives from the Cp.

68
00:07:41.140 --> 00:07:43.940
Tommy Alexander: Bucs, consulting firm environmental science.

69
00:07:43.940 --> 00:07:45.220
INTÉRPRETE – ESPAÑOL (Ezequiel): Associates or.

70
00:07:45.220 --> 00:07:46.030
Tommy Alexander: Yeah, say.

71
00:07:46.470 --> 00:07:49.089
Tommy Alexander: Esa is supporting the Cpc and conducting.

72
00:07:49.090 --> 00:07:50.639
INTÉRPRETE – ESPAÑOL (Ezequiel): The environmental review.

73
00:07:50.860 --> 00:07:51.720
Tommy Alexander: Including the public.

74
00:07:51.720 --> 00:07:52.180
INTÉRPRETE – ESPAÑOL (Ezequiel): Participate.

75
00:07:52.180 --> 00:07:53.090
Tommy Alexander: Process and.

76
00:07:53.090 --> 00:07:53.860
INTÉRPRETE – ESPAÑOL (Ezequiel): And Brett.

77
00:07:53.860 --> 00:07:54.240
Tommy Alexander: Creation.

78
00:07:54.240 --> 00:07:55.409
INTÉRPRETE – ESPAÑOL (Ezequiel): The sacred acumen.

79
00:07:57.650 --> 00:07:59.310
Tommy Alexander: Davis is the Esa.

80
00:07:59.310 --> 00:08:00.310
INTÉRPRETE – ESPAÑOL (Ezequiel): Project, manager.

81
00:08:01.850 --> 00:08:04.289
Tommy Alexander: Molina is the Esa deputy project.

82
00:08:04.290 --> 00:08:05.240
INTÉRPRETE – ESPAÑOL (Ezequiel): Manager.

83
00:08:05.860 --> 00:08:06.490
INTÉRPRETE – ESPAÑOL (Ezequiel): make me.

84
00:08:06.490 --> 00:08:07.360
Tommy Alexander: Yeah, is the.

85
00:08:07.360 --> 00:08:08.820
INTÉRPRETE – ESPAÑOL (Ezequiel): As a project director.

86
00:08:09.650 --> 00:08:10.610
Tommy Alexander: We're also joined here.

87
00:08:10.610 --> 00:08:11.220
INTÉRPRETE – ESPAÑOL (Ezequiel): By Stephen.

88
00:08:11.220 --> 00:08:12.910
Tommy Alexander: Johnson from Esa, who.

89
00:08:13.050 --> 00:08:14.080
INTÉRPRETE – ESPAÑOL (Ezequiel): We'll be helping with.

90

00:08:14.080 --> 00:08:14.490
Tommy Alexander: The.

91
00:08:14.490 --> 00:08:14.839
INTÉRPRETE – ESPAÑOL (Ezequiel): The queue.

92
00:08:14.840 --> 00:08:16.019
Tommy Alexander: And a and technical issues.

93
00:08:16.020 --> 00:08:17.610
INTÉRPRETE – ESPAÑOL (Ezequiel): As well as the.

94
00:08:17.610 --> 00:08:18.810
Tommy Alexander: Peel, who is our.

95
00:08:18.810 --> 00:08:20.100
INTÉRPRETE – ESPAÑOL (Ezequiel): Interpreter, or Zeke.

96
00:08:23.340 --> 00:08:28.229
Tommy Alexander: As a reminder. The applicant for the power of the safe up power of the South Bay project is Ls power.

97
00:08:28.230 --> 00:08:30.860
INTÉRPRETE – ESPAÑOL (Ezequiel): Grade California or Ls power

98
00:08:32.970 --> 00:08:33.980
INTÉRPRETE – ESPAÑOL (Ezequiel): next slide.

99
00:08:38.140 --> 00:08:40.939
Tommy Alexander: So the the purpose of the scoping meeting is to receive.

100
00:08:40.940 --> 00:08:43.030
INTÉRPRETE – ESPAÑOL (Ezequiel): Input from members of the public.

101
00:08:43.030 --> 00:08:44.190
Tommy Alexander: Government agencies.

102
00:08:44.190 --> 00:08:44.590
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

103
00:08:44.590 --> 00:08:44.970

Tommy Alexander: Other interest.

104
00:08:44.970 --> 00:08:46.209
INTÉRPRETE – ESPAÑOL (Ezequiel): Rested parties to inform.

105
00:08:46.350 --> 00:08:46.630
Tommy Alexander: The school.

106
00:08:46.630 --> 00:08:48.890
INTÉRPRETE – ESPAÑOL (Ezequiel): Open content of the environmental review.

107
00:08:49.480 --> 00:08:49.829
Tommy Alexander: Your idea.

108
00:08:49.830 --> 00:08:51.589
INTÉRPRETE – ESPAÑOL (Ezequiel): Is, are welcome and invited.

109
00:08:53.190 --> 00:08:54.429
Tommy Alexander: The option to provide verbal.

110
00:08:54.430 --> 00:08:55.580
INTÉRPRETE – ESPAÑOL (Ezequiel): At the end of the present.

111
00:08:55.580 --> 00:08:57.259
Tommy Alexander: And we'll also explain.

112
00:08:57.260 --> 00:08:58.589
INTÉRPRETE – ESPAÑOL (Ezequiel): Options for providing written.

113
00:08:58.590 --> 00:08:59.260
Tommy Alexander: Minutes.

114
00:08:59.930 --> 00:09:00.939
Tommy Alexander: for now I'll hand it over.

115
00:09:00.940 --> 00:09:04.810
INTÉRPRETE – ESPAÑOL (Ezequiel): Over to Dave to talk about how the scoping meeting fits into the project review.

116
00:09:04.810 --> 00:09:05.429

Tommy Alexander: And secret.

117
00:09:05.430 --> 00:09:06.270
INTÉRPRETE – ESPAÑOL (Ezequiel): Process

118
00:09:07.040 --> 00:09:07.960
INTÉRPRETE – ESPAÑOL (Ezequiel): next slide.

119
00:09:12.990 --> 00:09:14.380
Dave Davis: Good evening, everyone.

120
00:09:14.610 --> 00:09:15.709
INTÉRPRETE – ESPAÑOL (Ezequiel): Pleasure to be here.

121
00:09:16.280 --> 00:09:17.539
INTÉRPRETE – ESPAÑOL (Ezequiel): I will walk you through.

122
00:09:17.540 --> 00:09:22.620
Dave Davis: Through a very light primer of the SQL. Process. The Eir.

123
00:09:22.620 --> 00:09:25.110
INTÉRPRETE – ESPAÑOL (Ezequiel): Process that's being conducted under.

124
00:09:25.110 --> 00:09:25.540
Dave Davis: Sequel.

125
00:09:26.070 --> 00:09:31.160
Dave Davis: And that 1st step is where we are right now. We're in the scoping process.

126
00:09:31.480 --> 00:09:34.770
INTÉRPRETE – ESPAÑOL (Ezequiel): Open the scoping period. On July 29, th Gideon's.

127
00:09:34.770 --> 00:09:36.709
Dave Davis: August 30, th and.

128
00:09:36.972 --> 00:09:37.760
INTÉRPRETE – ESPAÑOL (Ezequiel): We as Tom.

129
00:09:37.760 --> 00:09:39.100

Dave Davis: Said. We'll provide.

130
00:09:39.100 --> 00:09:39.750
INTÉRPRETE – ESPAÑOL (Ezequiel): Contact Information.

131
00:09:39.750 --> 00:09:40.710
Dave Davis: For you to provide.

132
00:09:40.710 --> 00:09:42.840
INTÉRPRETE – ESPAÑOL (Ezequiel): And written comment.

133
00:09:42.840 --> 00:09:45.999
Dave Davis: Scoping meeting is midway through this.

134
00:09:46.000 --> 00:09:47.970
INTÉRPRETE – ESPAÑOL (Ezequiel): Scoping period, and this is the opportunity.

135
00:09:47.970 --> 00:09:49.390
Dave Davis: Need to provide.

136
00:09:49.390 --> 00:09:50.569
INTÉRPRETE – ESPAÑOL (Ezequiel): You're a verbal.

137
00:09:50.570 --> 00:09:51.240
Dave Davis: Input on.

138
00:09:51.240 --> 00:09:51.960
INTÉRPRETE – ESPAÑOL (Ezequiel): This.

139
00:09:52.890 --> 00:09:55.720
Dave Davis: So what is scoping? Scoping.

140
00:09:55.720 --> 00:09:57.799
INTÉRPRETE – ESPAÑOL (Ezequiel): Is the opportunity

141
00:09:58.253 --> 00:09:59.079
INTÉRPRETE – ESPAÑOL (Ezequiel): for CPU.

142
00:09:59.080 --> 00:10:00.420
Dave Davis: Uc to approach you.

143
00:10:00.420 --> 00:10:01.659
INTÉRPRETE – ESPAÑOL (Ezequiel): Public, and the agency.

144
00:10:01.660 --> 00:10:02.529
Dave Davis: Needs to provide.

145
00:10:03.115 --> 00:10:03.700
INTÉRPRETE – ESPAÑOL (Ezequiel): Input

146
00:10:03.730 --> 00:10:05.120
INTÉRPRETE – ESPAÑOL (Ezequiel): on the scope.

147
00:10:05.120 --> 00:10:05.989
Dave Davis: In the content.

148
00:10:05.990 --> 00:10:07.090
INTÉRPRETE – ESPAÑOL (Ezequiel): And of the.

149
00:10:07.090 --> 00:10:07.659
Dave Davis: EIR.

150
00:10:08.067 --> 00:10:10.920
INTÉRPRETE – ESPAÑOL (Ezequiel): In advance of its of its preparation.

151
00:10:12.170 --> 00:10:14.109
Dave Davis: Hence Cpc. Is.

152
00:10:14.110 --> 00:10:15.290
INTÉRPRETE – ESPAÑOL (Ezequiel): Requesting your comment.

153
00:10:15.290 --> 00:10:18.399
Dave Davis: Your comments to inform the scope and the content.

154
00:10:18.400 --> 00:10:19.060
INTÉRPRETE – ESPAÑOL (Ezequiel): Content, of.

155
00:10:19.060 --> 00:10:22.940
Dave Davis: This Eir for power of the South Bay, and to help us.

156

00:10:22.940 --> 00:10:24.520
INTÉRPRETE – ESPAÑOL (Ezequiel): Identify actions.

157
00:10:25.120 --> 00:10:26.340
Dave Davis: Alternatives.

158
00:10:26.340 --> 00:10:27.910
INTÉRPRETE – ESPAÑOL (Ezequiel): Mitigation measures.

159
00:10:28.550 --> 00:10:30.099
Dave Davis: And environmental effects.

160
00:10:30.100 --> 00:10:32.509
INTÉRPRETE – ESPAÑOL (Ezequiel): To be analyzed in this eir

161
00:10:34.970 --> 00:10:36.510
INTÉRPRETE – ESPAÑOL (Ezequiel): next slide. Please.

162
00:10:42.780 --> 00:10:45.340
Dave Davis: So this is a very simplified.

163
00:10:45.340 --> 00:10:46.110
INTÉRPRETE – ESPAÑOL (Ezequiel): Right.

164
00:10:46.110 --> 00:10:46.810
Dave Davis: Process

165
00:10:47.690 --> 00:10:48.650
INTÉRPRETE – ESPAÑOL (Ezequiel): Graphic.

166
00:10:48.650 --> 00:10:49.100
Dave Davis: Showing.

167
00:10:49.100 --> 00:10:50.620
INTÉRPRETE – ESPAÑOL (Ezequiel): The Cpcs.

168
00:10:50.680 --> 00:10:52.330
Dave Davis: Application process.

169
00:10:52.500 --> 00:10:53.659
Dave Davis: our applicant.

170
00:10:53.660 --> 00:10:54.540
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

171
00:10:54.540 --> 00:10:55.620
Dave Davis: Power.

172
00:10:55.620 --> 00:10:57.549
INTÉRPRETE – ESPAÑOL (Ezequiel): Poses to construct the project.

173
00:10:57.550 --> 00:11:05.919
Dave Davis: This this electric infrastructure they have approached Cpc. Requesting.

174
00:11:05.920 --> 00:11:06.920
INTÉRPRETE – ESPAÑOL (Ezequiel): Approval of the.

175
00:11:06.920 --> 00:11:09.779
Dave Davis: Project, and that in this case is a certificate of public.

176
00:11:09.780 --> 00:11:10.460
INTÉRPRETE – ESPAÑOL (Ezequiel): Convenience, and.

177
00:11:10.460 --> 00:11:10.780
Dave Davis: Set.

178
00:11:10.780 --> 00:11:11.410
INTÉRPRETE – ESPAÑOL (Ezequiel): The

179
00:11:13.480 --> 00:11:18.960
Dave Davis: What is not shown here is a separate administrative process that Cpuc undertakes.

180
00:11:19.954 --> 00:11:21.559
INTÉRPRETE – ESPAÑOL (Ezequiel): Parallel to the.

181
00:11:21.560 --> 00:11:23.710
Dave Davis: Sequence process, as they both.

182
00:11:23.710 --> 00:11:24.140
INTÉRPRETE – ESPAÑOL (Ezequiel): Let's move on.

183
00:11:24.140 --> 00:11:27.990
Dave Davis: Long they do end up in this Cpc. Description.

184
00:11:27.990 --> 00:11:29.540
INTÉRPRETE – ESPAÑOL (Ezequiel): Decision Box.

185
00:11:30.420 --> 00:11:34.160
Dave Davis: This is where the Cpuc commissioners will take all.

186
00:11:34.160 --> 00:11:35.620
INTÉRPRETE – ESPAÑOL (Ezequiel): Information presented before.

187
00:11:35.620 --> 00:11:36.090
Dave Davis: For them.

188
00:11:36.090 --> 00:11:36.670
INTÉRPRETE – ESPAÑOL (Ezequiel): That includes.

189
00:11:36.670 --> 00:11:37.770
Dave Davis: It's the sequeside.

190
00:11:37.950 --> 00:11:38.669
INTÉRPRETE – ESPAÑOL (Ezequiel): And it.

191
00:11:38.670 --> 00:11:39.250
Dave Davis: And straight, as.

192
00:11:39.250 --> 00:11:40.020
INTÉRPRETE – ESPAÑOL (Ezequiel): Side.

193
00:11:40.020 --> 00:11:40.420
Dave Davis: Think it's.

194
00:11:40.420 --> 00:11:42.280
INTÉRPRETE – ESPAÑOL (Ezequiel): That information and.

195
00:11:42.280 --> 00:11:43.129
Dave Davis: Making their decision.

196

00:11:43.130 --> 00:11:44.190
INTÉRPRETE – ESPAÑOL (Ezequiel): Decision to approve.

197
00:11:44.190 --> 00:11:44.779
Dave Davis: We're not a.

198
00:11:44.780 --> 00:11:45.890
INTÉRPRETE – ESPAÑOL (Ezequiel): It's a project.

199
00:11:48.580 --> 00:11:49.780
Dave Davis: Next slide, please.

200
00:11:55.040 --> 00:11:57.230
Dave Davis: So what is Ceqa.

201
00:11:57.230 --> 00:11:58.470
INTÉRPRETE – ESPAÑOL (Ezequiel): Overview here.

202
00:11:58.810 --> 00:11:59.830
Dave Davis: Ceqa, and for.

203
00:11:59.830 --> 00:12:00.480
INTÉRPRETE – ESPAÑOL (Ezequiel): Arms, decision.

204
00:12:00.480 --> 00:12:01.920
Dave Davis: Makers in the public about.

205
00:12:02.780 --> 00:12:03.640
INTÉRPRETE – ESPAÑOL (Ezequiel): Potential.

206
00:12:03.640 --> 00:12:05.090
Dave Davis: Significant Environmental Effect.

207
00:12:05.090 --> 00:12:06.630
INTÉRPRETE – ESPAÑOL (Ezequiel): Of a project.

208
00:12:07.450 --> 00:12:08.169
INTÉRPRETE – ESPAÑOL (Ezequiel): It identifies.

209
00:12:08.170 --> 00:12:09.200
Dave Davis: Applies ways.

210
00:12:09.200 --> 00:12:11.750
INTÉRPRETE – ESPAÑOL (Ezequiel): That those impacts can be avoided or.

211
00:12:11.750 --> 00:12:12.630
Dave Davis: Reduced.

212
00:12:12.740 --> 00:12:13.900
INTÉRPRETE – ESPAÑOL (Ezequiel): To.

213
00:12:13.900 --> 00:12:14.700
Dave Davis: Reduce. Significant.

214
00:12:14.700 --> 00:12:15.410
INTÉRPRETE – ESPAÑOL (Ezequiel): And light.

215
00:12:17.000 --> 00:12:20.279
Dave Davis: But also seeks to prevent significant.

216
00:12:20.580 --> 00:12:21.100
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

217
00:12:21.100 --> 00:12:21.510
Dave Davis: Loyal.

218
00:12:21.510 --> 00:12:22.440
INTÉRPRETE – ESPAÑOL (Ezequiel): Impact.

219
00:12:22.440 --> 00:12:22.770
Dave Davis: To.

220
00:12:22.770 --> 00:12:23.420
INTÉRPRETE – ESPAÑOL (Ezequiel): Cool.

221
00:12:23.420 --> 00:12:25.109
Dave Davis: Environment through the use of.

222
00:12:25.110 --> 00:12:25.600
INTÉRPRETE – ESPAÑOL (Ezequiel): Of.

223

00:12:25.600 --> 00:12:26.490
Dave Davis: Feasible mitigation.

224
00:12:26.490 --> 00:12:28.390
INTÉRPRETE – ESPAÑOL (Ezequiel): Measures and feasible.

225
00:12:28.390 --> 00:12:29.190
Dave Davis: And.

226
00:12:29.190 --> 00:12:30.710
INTÉRPRETE – ESPAÑOL (Ezequiel): Alternatives.

227
00:12:32.840 --> 00:12:33.700
Dave Davis: In in the end.

228
00:12:33.700 --> 00:12:34.020
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

229
00:12:34.020 --> 00:12:35.730
Dave Davis: If the.

230
00:12:35.730 --> 00:12:36.099
INTÉRPRETE – ESPAÑOL (Ezequiel): You've used.

231
00:12:36.100 --> 00:12:40.899
Dave Davis: Chooses to approve a project that has significant impacts.

232
00:12:40.900 --> 00:12:42.389
INTÉRPRETE – ESPAÑOL (Ezequiel): There could not be.

233
00:12:42.580 --> 00:12:43.699
Dave Davis: Mitigated to less than.

234
00:12:43.700 --> 00:12:45.109
INTÉRPRETE – ESPAÑOL (Ezequiel): Significant level.

235
00:12:46.250 --> 00:12:47.489
Dave Davis: See, they are required.

236
00:12:47.490 --> 00:12:49.210
INTÉRPRETE – ESPAÑOL (Ezequiel): Under Ceqa. To to.

237
00:12:49.210 --> 00:12:49.730
Dave Davis: Disclose.

238
00:12:49.730 --> 00:12:50.659
INTÉRPRETE – ESPAÑOL (Ezequiel): The reasons why.

239
00:12:50.660 --> 00:12:51.170
Dave Davis: Why?

240
00:12:51.820 --> 00:12:53.340
INTÉRPRETE – ESPAÑOL (Ezequiel): They did not or.

241
00:12:53.340 --> 00:12:53.930
Dave Davis: Why they?

242
00:12:53.930 --> 00:12:54.610
INTÉRPRETE – ESPAÑOL (Ezequiel): Approve the project.

243
00:12:55.069 --> 00:12:55.530
Dave Davis: With.

244
00:12:55.730 --> 00:12:56.310
INTÉRPRETE – ESPAÑOL (Ezequiel): Significant.

245
00:12:56.310 --> 00:12:56.810
Dave Davis: Environment.

246
00:12:56.810 --> 00:12:57.750
INTÉRPRETE – ESPAÑOL (Ezequiel): Impacts.

247
00:12:59.540 --> 00:13:01.599
Dave Davis: Another distinction about Ceqa

248
00:13:01.620 --> 00:13:04.260
Dave Davis: Ceqa. Focuses on the physical impact.

249
00:13:04.260 --> 00:13:06.260
INTÉRPRETE – ESPAÑOL (Ezequiel): To the environment. It is not.

250

00:13:06.260 --> 00:13:07.859
Dave Davis: Focus on the merits of the project.

251
00:13:08.180 --> 00:13:09.339
INTÉRPRETE – ESPAÑOL (Ezequiel): It focuses on.

252
00:13:09.340 --> 00:13:09.690
Dave Davis: Physical.

253
00:13:09.690 --> 00:13:10.889
INTÉRPRETE – ESPAÑOL (Ezequiel): Impacts, to.

254
00:13:10.890 --> 00:13:11.680
Dave Davis: Environment.

255
00:13:11.680 --> 00:13:13.870
INTÉRPRETE – ESPAÑOL (Ezequiel): Attributable to the project.

256
00:13:17.110 --> 00:13:18.709
Dave Davis: So next slide, please.

257
00:13:23.280 --> 00:13:25.030
Dave Davis: here's another process. Graphic.

258
00:13:25.030 --> 00:13:26.160
INTÉRPRETE – ESPAÑOL (Ezequiel): Outlining the.

259
00:13:26.160 --> 00:13:27.749
Dave Davis: Eir process that we're on.

260
00:13:27.750 --> 00:13:28.580
INTÉRPRETE – ESPAÑOL (Ezequiel): Undertaking.

261
00:13:30.180 --> 00:13:30.730
Dave Davis: Now we're.

262
00:13:30.730 --> 00:13:31.549
INTÉRPRETE – ESPAÑOL (Ezequiel): Right in the middle.

263
00:13:31.550 --> 00:13:33.270
Dave Davis: The process. On the left.

264
00:13:33.370 --> 00:13:35.399
INTÉRPRETE – ESPAÑOL (Ezequiel): You know, inside of the of those.

265
00:13:35.400 --> 00:13:36.000
Dave Davis: Slot.

266
00:13:36.000 --> 00:13:36.860
INTÉRPRETE – ESPAÑOL (Ezequiel): Here in the law.

267
00:13:36.860 --> 00:13:37.779
Dave Davis: And are green.

268
00:13:38.510 --> 00:13:39.640
Dave Davis: as I mentioned, and.

269
00:13:39.640 --> 00:13:43.440
INTÉRPRETE – ESPAÑOL (Ezequiel): Service preparation was issued on July 29.th

270
00:13:43.440 --> 00:13:43.969
Dave Davis: In this game.

271
00:13:43.970 --> 00:13:45.639
INTÉRPRETE – ESPAÑOL (Ezequiel): This scoping process

272
00:13:47.100 --> 00:13:48.930
Dave Davis: We are now in the public reading.

273
00:13:48.930 --> 00:13:51.199
INTÉRPRETE – ESPAÑOL (Ezequiel): Period we issued a.

274
00:13:51.200 --> 00:13:53.419
Dave Davis: Well, the I should say the notice.

275
00:13:53.420 --> 00:13:54.300
INTÉRPRETE – ESPAÑOL (Ezequiel): Preparation and.

276
00:13:54.300 --> 00:13:56.399
Dave Davis: Information about the project.

277
00:13:56.400 --> 00:13:57.749
INTÉRPRETE – ESPAÑOL (Ezequiel): The objectives of the.

278
00:13:57.750 --> 00:13:58.640
Dave Davis: Project.

279
00:13:58.980 --> 00:14:02.870
INTÉRPRETE – ESPAÑOL (Ezequiel): And the potential environmental impacts of the project, and that.

280
00:14:02.870 --> 00:14:03.590
Dave Davis: Is, what is.

281
00:14:03.590 --> 00:14:04.200
INTÉRPRETE – ESPAÑOL (Ezequiel): Speaking.

282
00:14:04.200 --> 00:14:05.320
Dave Davis: Viewed.

283
00:14:05.320 --> 00:14:07.929
INTÉRPRETE – ESPAÑOL (Ezequiel): And we hope to receive input from you.

284
00:14:07.930 --> 00:14:08.650
Dave Davis: You.

285
00:14:08.880 --> 00:14:09.430
INTÉRPRETE – ESPAÑOL (Ezequiel): On!

286
00:14:09.430 --> 00:14:10.320
Dave Davis: Your thoughts

287
00:14:10.490 --> 00:14:11.640
Dave Davis: around that

288
00:14:12.920 --> 00:14:15.510
Dave Davis: parallel to that we are also embarking.

289
00:14:15.640 --> 00:14:16.280
INTÉRPRETE – ESPAÑOL (Ezequiel): On the 8.th

290

00:14:16.280 --> 00:14:18.180
Dave Davis: 52 process, which is.

291
00:14:18.180 --> 00:14:21.830
INTÉRPRETE – ESPAÑOL (Ezequiel): The tribal consultation process.

292
00:14:24.560 --> 00:14:25.960
Dave Davis: Once we wrap up.

293
00:14:25.960 --> 00:14:26.510
INTÉRPRETE – ESPAÑOL (Ezequiel): Scoping.

294
00:14:26.510 --> 00:14:26.990
Dave Davis: Process.

295
00:14:26.990 --> 00:14:28.000
INTÉRPRETE – ESPAÑOL (Ezequiel): With the scoping read.

296
00:14:28.000 --> 00:14:28.370
Dave Davis: Court.

297
00:14:28.810 --> 00:14:29.330
INTÉRPRETE – ESPAÑOL (Ezequiel): Discuss.

298
00:14:29.330 --> 00:14:30.310
Dave Davis: Report along.

299
00:14:30.310 --> 00:14:32.560
INTÉRPRETE – ESPAÑOL (Ezequiel): With the Ceqa. Initial.

300
00:14:32.560 --> 00:14:33.920
Dave Davis: Steady checklist.

301
00:14:34.530 --> 00:14:35.160
INTÉRPRETE – ESPAÑOL (Ezequiel): Will be the family.

302
00:14:35.160 --> 00:14:35.640
Dave Davis: Nation, and.

303
00:14:35.640 --> 00:14:38.430
INTÉRPRETE – ESPAÑOL (Ezequiel): For us to prepare the draft. Eir.

304
00:14:41.020 --> 00:14:42.129
Dave Davis: I'll explain a little bit.

305
00:14:42.130 --> 00:14:43.819
INTÉRPRETE – ESPAÑOL (Ezequiel): Later, what it takes to.

306
00:14:43.820 --> 00:14:45.660
Dave Davis: That draft eir.

307
00:14:45.977 --> 00:14:47.879
INTÉRPRETE – ESPAÑOL (Ezequiel): But for for the time being.

308
00:14:47.880 --> 00:14:48.230
Dave Davis: Here.

309
00:14:48.260 --> 00:14:49.050
INTÉRPRETE – ESPAÑOL (Ezequiel): We prepare.

310
00:14:49.050 --> 00:14:49.960
Dave Davis: Draft, eir.

311
00:14:50.850 --> 00:14:51.830
INTÉRPRETE – ESPAÑOL (Ezequiel): We.

312
00:14:51.830 --> 00:14:52.730
Dave Davis: Are a public drive.

313
00:14:52.730 --> 00:14:53.860
INTÉRPRETE – ESPAÑOL (Ezequiel): Fdr. That goes.

314
00:14:53.860 --> 00:14:56.360
Dave Davis: Out for a minimum. 45 day.

315
00:14:56.360 --> 00:14:57.770
INTÉRPRETE – ESPAÑOL (Ezequiel): Public review, period.

316
00:14:58.100 --> 00:15:00.120
Dave Davis: The notice of availability is what's.

317

00:15:00.120 --> 00:15:00.550
INTÉRPRETE – ESPAÑOL (Ezequiel): 1st thing.

318
00:15:00.550 --> 00:15:01.190
Dave Davis: Block.

319
00:15:02.990 --> 00:15:05.650
INTÉRPRETE – ESPAÑOL (Ezequiel): And over that comment for.

320
00:15:05.650 --> 00:15:07.279
Dave Davis: Midway, through that.

321
00:15:07.280 --> 00:15:08.750
INTÉRPRETE – ESPAÑOL (Ezequiel): Public comment, period.

322
00:15:08.750 --> 00:15:10.800
Dave Davis: There will be a public information.

323
00:15:10.800 --> 00:15:11.520
INTÉRPRETE – ESPAÑOL (Ezequiel): Meaning.

324
00:15:11.650 --> 00:15:12.330
INTÉRPRETE – ESPAÑOL (Ezequiel): that.

325
00:15:12.330 --> 00:15:13.880
Dave Davis: Like this meeting.

326
00:15:13.880 --> 00:15:15.030
INTÉRPRETE – ESPAÑOL (Ezequiel): You'll be able to.

327
00:15:15.030 --> 00:15:15.990
Dave Davis: Provide verbal.

328
00:15:15.990 --> 00:15:17.290
INTÉRPRETE – ESPAÑOL (Ezequiel): Comment.

329
00:15:17.290 --> 00:15:17.890
Dave Davis: On the ground.

330
00:15:18.360 --> 00:15:18.830
INTÉRPRETE – ESPAÑOL (Ezequiel): Tir.

331
00:15:23.060 --> 00:15:24.940
Dave Davis: And then once that public review period.

332
00:15:24.940 --> 00:15:26.159
INTÉRPRETE – ESPAÑOL (Ezequiel): Area closes.

333
00:15:26.680 --> 00:15:27.360
Dave Davis: We'll prepare.

334
00:15:27.360 --> 00:15:29.099
INTÉRPRETE – ESPAÑOL (Ezequiel): A response to comment.

335
00:15:29.100 --> 00:15:33.680
Dave Davis: Document that will be the final eir under Ceqa.

336
00:15:33.680 --> 00:15:34.829
INTÉRPRETE – ESPAÑOL (Ezequiel): As lead agency.

337
00:15:34.830 --> 00:15:35.200
Dave Davis: So he's.

338
00:15:35.200 --> 00:15:35.520
INTÉRPRETE – ESPAÑOL (Ezequiel): Cp.

339
00:15:35.520 --> 00:15:36.150
Dave Davis: See needs.

340
00:15:36.150 --> 00:15:36.670
INTÉRPRETE – ESPAÑOL (Ezequiel): To, to.

341
00:15:36.670 --> 00:15:37.829
Dave Davis: Again, and consider.

342
00:15:37.830 --> 00:15:38.280
INTÉRPRETE – ESPAÑOL (Ezequiel): Or.

343
00:15:38.280 --> 00:15:38.919
Dave Davis: And address.

344

00:15:38.920 --> 00:15:40.040
INTÉRPRETE – ESPAÑOL (Ezequiel): Common all kind.

345
00:15:40.040 --> 00:15:40.770
Dave Davis: Events.

346
00:15:41.570 --> 00:15:44.170
INTÉRPRETE – ESPAÑOL (Ezequiel): posited during the public.

347
00:15:44.170 --> 00:15:45.370
Dave Davis: Review period.

348
00:15:47.160 --> 00:15:48.580
Dave Davis: that final Eir.

349
00:15:48.580 --> 00:15:49.140
INTÉRPRETE – ESPAÑOL (Ezequiel): Oh!

350
00:15:49.140 --> 00:15:50.530
Dave Davis: Ride with the information provided.

351
00:15:50.530 --> 00:15:51.090
INTÉRPRETE – ESPAÑOL (Ezequiel): And through the.

352
00:15:51.090 --> 00:15:53.159
Dave Davis: Administrative process and.

353
00:15:53.160 --> 00:15:54.620
INTÉRPRETE – ESPAÑOL (Ezequiel): And at that time.

354
00:15:54.620 --> 00:15:56.080
Dave Davis: The Certification Process.

355
00:15:56.080 --> 00:15:57.379
INTÉRPRETE – ESPAÑOL (Ezequiel): Begins for the.

356
00:15:57.380 --> 00:15:59.940
Dave Davis: Eir that rides with a camera.

357
00:15:59.940 --> 00:16:00.650
INTÉRPRETE – ESPAÑOL (Ezequiel): With project.

358
00:16:00.650 --> 00:16:01.880
Dave Davis: Approval, not necessarily, but.

359
00:16:01.880 --> 00:16:02.670
INTÉRPRETE – ESPAÑOL (Ezequiel): Working on.

360
00:16:03.170 --> 00:16:06.159
Dave Davis: And once the Eir.

361
00:16:06.160 --> 00:16:07.730
INTÉRPRETE – ESPAÑOL (Ezequiel): It's certified

362
00:16:07.930 --> 00:16:09.529
INTÉRPRETE – ESPAÑOL (Ezequiel): the notice of determination.

363
00:16:09.530 --> 00:16:10.990
Dave Davis: Nation is issued.

364
00:16:11.330 --> 00:16:11.930
INTÉRPRETE – ESPAÑOL (Ezequiel): Then after.

365
00:16:11.930 --> 00:16:12.400
Dave Davis: 30.

366
00:16:13.070 --> 00:16:13.670
Dave Davis: They!

367
00:16:14.155 --> 00:16:14.640
INTÉRPRETE – ESPAÑOL (Ezequiel): To.

368
00:16:14.640 --> 00:16:15.980
Dave Davis: Challenge period on that notice.

369
00:16:15.980 --> 00:16:17.430
INTÉRPRETE – ESPAÑOL (Ezequiel): Determination.

370
00:16:18.056 --> 00:16:20.139
Dave Davis: The sequel process is closed.

371

00:16:24.000 --> 00:16:25.390
Dave Davis: Next slide, please.

372
00:16:32.140 --> 00:16:34.240
Dave Davis: and next slide for me, too.

373
00:16:36.250 --> 00:16:43.099
Dave Davis: sepa project description. The key to a really thorough and good Eir is to have a good strong description.

374
00:16:43.500 --> 00:16:44.300
INTÉRPRETE – ESPAÑOL (Ezequiel): The project!

375
00:16:45.430 --> 00:16:46.060
Dave Davis: Generally.

376
00:16:46.060 --> 00:16:47.060
INTÉRPRETE – ESPAÑOL (Ezequiel): We've lost.

377
00:16:47.060 --> 00:16:47.960
Dave Davis: Get 3.

378
00:16:48.090 --> 00:16:48.740
INTÉRPRETE – ESPAÑOL (Ezequiel): Main.

379
00:16:48.740 --> 00:16:51.959
Dave Davis: Areas in the project description. That would be construction.

380
00:16:52.640 --> 00:16:54.469
Dave Davis: That would be operations.

381
00:16:54.900 --> 00:16:56.279
Dave Davis: and that would be maintenance.

382
00:16:58.980 --> 00:16:59.610
Dave Davis: When we think about.

383
00:17:00.215 --> 00:17:00.820
INTÉRPRETE – ESPAÑOL (Ezequiel): Construction!

384
00:17:01.485 --> 00:17:02.150

Dave Davis: We.

385
00:17:02.150 --> 00:17:03.080
INTÉRPRETE – ESPAÑOL (Ezequiel): Look at what.

386
00:17:03.080 --> 00:17:04.410
Dave Davis: Will be built. What are the structures.

387
00:17:04.410 --> 00:17:05.160
INTÉRPRETE – ESPAÑOL (Ezequiel): Structures.

388
00:17:05.410 --> 00:17:05.880
Dave Davis: What are the.

389
00:17:05.880 --> 00:17:06.930
INTÉRPRETE – ESPAÑOL (Ezequiel): Transmission lines.

390
00:17:06.930 --> 00:17:08.190
Dave Davis: Where are the structures? Where are.

391
00:17:08.706 --> 00:17:09.740
INTÉRPRETE – ESPAÑOL (Ezequiel): Transmission lines.

392
00:17:10.050 --> 00:17:10.730
INTÉRPRETE – ESPAÑOL (Ezequiel): and then.

393
00:17:10.730 --> 00:17:12.469
Dave Davis: How would the project be built.

394
00:17:12.730 --> 00:17:15.200
INTÉRPRETE – ESPAÑOL (Ezequiel): You know what is the construction methodology?

395
00:17:15.260 --> 00:17:16.470
INTÉRPRETE – ESPAÑOL (Ezequiel): Well, the trans.

396
00:17:16.470 --> 00:17:17.850
Dave Davis: Mission lines be underground.

397
00:17:17.869 --> 00:17:19.199
INTÉRPRETE – ESPAÑOL (Ezequiel): If so, we'll.

398
00:17:19.200 --> 00:17:19.660
Dave Davis: To be tramp.

399
00:17:19.730 --> 00:17:20.540
INTÉRPRETE – ESPAÑOL (Ezequiel): Will they be.

400
00:17:20.540 --> 00:17:21.150
Dave Davis: Tunneled.

401
00:17:21.720 --> 00:17:24.240
INTÉRPRETE – ESPAÑOL (Ezequiel): What equipment will be required to.

402
00:17:24.240 --> 00:17:24.670
Dave Davis: To keep the.

403
00:17:24.670 --> 00:17:26.799
INTÉRPRETE – ESPAÑOL (Ezequiel): Project or construct the project.

404
00:17:28.530 --> 00:17:29.630
INTÉRPRETE – ESPAÑOL (Ezequiel): and then the work.

405
00:17:29.630 --> 00:17:30.749
Dave Davis: Force that would.

406
00:17:30.750 --> 00:17:32.110
INTÉRPRETE – ESPAÑOL (Ezequiel): Required.

407
00:17:32.374 --> 00:17:33.430
Dave Davis: To construct the project.

408
00:17:33.430 --> 00:17:34.449
INTÉRPRETE – ESPAÑOL (Ezequiel): Objectives, as well.

409
00:17:36.160 --> 00:17:38.930
Dave Davis: Equally important. We also consider the project.

410
00:17:38.930 --> 00:17:39.820
INTÉRPRETE – ESPAÑOL (Ezequiel): Schedule.

411

00:17:40.120 --> 00:17:40.909
INTÉRPRETE – ESPAÑOL (Ezequiel): and that's.

412
00:17:41.308 --> 00:17:42.899
Dave Davis: That's not only the.

413
00:17:43.050 --> 00:17:44.560
INTÉRPRETE – ESPAÑOL (Ezequiel): Full duration of the.

414
00:17:44.560 --> 00:17:46.499
Dave Davis: Project, but the phases that.

415
00:17:46.500 --> 00:17:48.090
INTÉRPRETE – ESPAÑOL (Ezequiel): Occur within.

416
00:17:48.090 --> 00:17:49.060
Dave Davis: The project

417
00:17:51.390 --> 00:17:53.090
Dave Davis: under operations.

418
00:17:53.270 --> 00:17:54.750
Dave Davis: we'll be again interested to know.

419
00:17:54.750 --> 00:17:55.849
INTÉRPRETE – ESPAÑOL (Ezequiel): So how would.

420
00:17:55.850 --> 00:17:56.420
Dave Davis: Project, the.

421
00:17:56.420 --> 00:17:57.400
INTÉRPRETE – ESPAÑOL (Ezequiel): Operated.

422
00:17:58.030 --> 00:17:58.410
Dave Davis: There'd be.

423
00:17:58.410 --> 00:18:00.810
INTÉRPRETE – ESPAÑOL (Ezequiel): Staff on site would be operating.

424
00:18:00.810 --> 00:18:01.960
Dave Davis: Remotely.

425
00:18:02.400 --> 00:18:02.970
INTÉRPRETE – ESPAÑOL (Ezequiel): Yes.

426
00:18:02.970 --> 00:18:04.910
Dave Davis: Staff on site. You know what is.

427
00:18:04.910 --> 00:18:06.990
INTÉRPRETE – ESPAÑOL (Ezequiel): What does that look like? You know how.

428
00:18:06.990 --> 00:18:08.660
Dave Davis: How many, staff, how often.

429
00:18:10.600 --> 00:18:11.140
INTÉRPRETE – ESPAÑOL (Ezequiel): Yeah.

430
00:18:11.140 --> 00:18:11.820
Dave Davis: And related.

431
00:18:11.820 --> 00:18:13.230
INTÉRPRETE – ESPAÑOL (Ezequiel): Under Maintenance.

432
00:18:13.737 --> 00:18:15.700
Dave Davis: We're also going to be interested.

433
00:18:15.700 --> 00:18:17.890
INTÉRPRETE – ESPAÑOL (Ezequiel): In how the project is maintained.

434
00:18:18.530 --> 00:18:19.060
Dave Davis: When is?

435
00:18:19.060 --> 00:18:19.570
INTÉRPRETE – ESPAÑOL (Ezequiel): Maintenance, Bro.

436
00:18:19.570 --> 00:18:20.380
Dave Davis: Formed.

437
00:18:20.960 --> 00:18:22.460
Dave Davis: and what.

438

00:18:22.680 --> 00:18:23.900
INTÉRPRETE – ESPAÑOL (Ezequiel): Personnel will be.

439
00:18:24.100 --> 00:18:25.900
Dave Davis: Required for maintenance.

440
00:18:26.290 --> 00:18:27.050
Dave Davis: If you.

441
00:18:27.050 --> 00:18:27.910
INTÉRPRETE – ESPAÑOL (Ezequiel): Look through.

442
00:18:27.910 --> 00:18:33.089
Dave Davis: Eirs and other sequa documents that discuss projects like this. You may see operation.

443
00:18:33.090 --> 00:18:33.850
INTÉRPRETE – ESPAÑOL (Ezequiel): And maintenance.

444
00:18:33.850 --> 00:18:34.570
Dave Davis: It's kind of.

445
00:18:34.889 --> 00:18:35.529
INTÉRPRETE – ESPAÑOL (Ezequiel): Lumped together.

446
00:18:35.530 --> 00:18:36.399
Dave Davis: And looked at.

447
00:18:36.722 --> 00:18:38.009
INTÉRPRETE – ESPAÑOL (Ezequiel): As as a unit.

448
00:18:40.060 --> 00:18:48.190
Dave Davis: So with that stopping here at the project description, I'm going to transition this over to our Dpm. Our deputy project.

449
00:18:48.190 --> 00:18:49.350
INTÉRPRETE – ESPAÑOL (Ezequiel): Project, manager.

450
00:18:49.350 --> 00:18:50.310
Dave Davis: Events? Who is going.

451

00:18:50.310 --> 00:18:52.820
INTÉRPRETE – ESPAÑOL (Ezequiel): To talk about the nuts and the bolts of the project.

452
00:18:54.780 --> 00:18:55.230
Vincent Molina: Game for that.

453
00:18:55.230 --> 00:18:55.720
INTÉRPRETE – ESPAÑOL (Ezequiel): Wonderful.

454
00:18:55.720 --> 00:18:56.230
Vincent Molina: Overview.

455
00:18:56.230 --> 00:18:56.980
INTÉRPRETE – ESPAÑOL (Ezequiel): Of the secret.

456
00:18:56.980 --> 00:18:57.830
Vincent Molina: Yeah, our process.

457
00:18:57.830 --> 00:18:58.420
INTÉRPRETE – ESPAÑOL (Ezequiel): Us.

458
00:18:58.420 --> 00:18:59.459
Vincent Molina: Good evening, everyone.

459
00:18:59.460 --> 00:19:00.060
INTÉRPRETE – ESPAÑOL (Ezequiel): One, my.

460
00:19:00.060 --> 00:19:01.730
Vincent Molina: Name is Vince. Molina.

461
00:19:01.950 --> 00:19:03.160
INTÉRPRETE – ESPAÑOL (Ezequiel): And, as Dave said.

462
00:19:03.160 --> 00:19:05.859
Vincent Molina: I am the Esa deputy project manager for the.

463
00:19:05.860 --> 00:19:06.480
INTÉRPRETE – ESPAÑOL (Ezequiel): Proposed.

464
00:19:06.480 --> 00:19:07.070

Vincent Molina: Project.

465
00:19:07.070 --> 00:19:07.630
INTÉRPRETE – ESPAÑOL (Ezequiel): You power, this.

466
00:19:07.630 --> 00:19:08.669
Vincent Molina: South Bay project.

467
00:19:08.870 --> 00:19:09.960
Vincent Molina: Thank you all for.

468
00:19:09.960 --> 00:19:10.430
INTÉRPRETE – ESPAÑOL (Ezequiel): Ending, our.

469
00:19:10.430 --> 00:19:13.100
Vincent Molina: Meeting this evening. Today I will be providing.

470
00:19:13.100 --> 00:19:16.140
INTÉRPRETE – ESPAÑOL (Ezequiel): A brief overview of this proposed project.

471
00:19:17.040 --> 00:19:18.210
INTÉRPRETE – ESPAÑOL (Ezequiel): The proposed project.

472
00:19:18.210 --> 00:19:20.160
Vincent Molina: Would be located within Alameda.

473
00:19:20.160 --> 00:19:23.190
INTÉRPRETE – ESPAÑOL (Ezequiel): And Santa Clara counties specifically.

474
00:19:23.190 --> 00:19:24.929
Vincent Molina: Within the counties of Newark.

475
00:19:25.150 --> 00:19:27.130
Vincent Molina: Fremont, Milpitas.

476
00:19:27.560 --> 00:19:29.679
INTÉRPRETE – ESPAÑOL (Ezequiel): San Jose and Santa Clara.

477
00:19:30.130 --> 00:19:30.680
Vincent Molina: Including the.

478
00:19:30.680 --> 00:19:31.710
INTÉRPRETE – ESPAÑOL (Ezequiel): Nearby community.

479
00:19:31.710 --> 00:19:32.239
Vincent Molina: Yeah, of.

480
00:19:32.240 --> 00:19:33.040
INTÉRPRETE – ESPAÑOL (Ezequiel): Viso.

481
00:19:34.250 --> 00:19:36.170
Vincent Molina: As shown on the map. To the right.

482
00:19:36.780 --> 00:19:37.360
INTÉRPRETE – ESPAÑOL (Ezequiel): Northernmost.

483
00:19:37.360 --> 00:19:38.990
Vincent Molina: Part of the project. The proposed.

484
00:19:38.990 --> 00:19:39.879
INTÉRPRETE – ESPAÑOL (Ezequiel): Was Albre, Turk.

485
00:19:39.880 --> 00:19:41.540
Vincent Molina: Site would be located.

486
00:19:41.700 --> 00:19:43.140
INTÉRPRETE – ESPAÑOL (Ezequiel): Approximately.

487
00:19:43.140 --> 00:19:43.820
Vincent Molina: 0 point 8.

488
00:19:43.820 --> 00:19:46.719
INTÉRPRETE – ESPAÑOL (Ezequiel): Miles west of Interstate, 880,

489
00:19:46.870 --> 00:19:49.950
INTÉRPRETE – ESPAÑOL (Ezequiel): and approximately 0 point 2 miles northeast.

490
00:19:49.950 --> 00:19:50.330
Vincent Molina: Being.

491
00:19:50.330 --> 00:19:52.990
INTÉRPRETE – ESPAÑOL (Ezequiel): Existing Pg. And E. Newark substation.

492
00:19:53.430 --> 00:19:54.260
Vincent Molina: And is located.

493
00:19:54.400 --> 00:19:55.959
INTÉRPRETE – ESPAÑOL (Ezequiel): In the city of Fremont.

494
00:19:57.060 --> 00:19:59.840
Vincent Molina: The approximate center of the proposed project.

495
00:19:59.960 --> 00:20:01.069
Vincent Molina: which would notably.

496
00:20:01.070 --> 00:20:03.759
INTÉRPRETE – ESPAÑOL (Ezequiel): Include the proposed Valence terminal site

497
00:20:03.830 --> 00:20:05.270
INTÉRPRETE – ESPAÑOL (Ezequiel): would be located approximately.

498
00:20:05.270 --> 00:20:05.990
Vincent Molina: Definitely 0.

499
00:20:05.990 --> 00:20:07.430
INTÉRPRETE – ESPAÑOL (Ezequiel): Point 5 miles.

500
00:20:07.430 --> 00:20:07.860
Vincent Molina: North.

501
00:20:08.169 --> 00:20:09.719
INTÉRPRETE – ESPAÑOL (Ezequiel): State route 2, 37,

502
00:20:10.070 --> 00:20:11.380
INTÉRPRETE – ESPAÑOL (Ezequiel): and approximately one.

503
00:20:11.380 --> 00:20:11.829
Vincent Molina: And 8 miles.

504

00:20:11.830 --> 00:20:13.819
INTÉRPRETE – ESPAÑOL (Ezequiel): West of Interstate 8, 80,

505
00:20:14.150 --> 00:20:14.759
INTÉRPRETE – ESPAÑOL (Ezequiel): and approximately.

506
00:20:14.760 --> 00:20:16.879
Vincent Molina: 1.8 miles northeast.

507
00:20:16.880 --> 00:20:19.539
INTÉRPRETE – ESPAÑOL (Ezequiel): Of the existing Silicon Valley.

508
00:20:19.540 --> 00:20:21.610
Vincent Molina: Power, Northern receiving.

509
00:20:21.610 --> 00:20:24.799
INTÉRPRETE – ESPAÑOL (Ezequiel): And is located within the city of San Jose.

510
00:20:25.740 --> 00:20:26.770
Vincent Molina: And finally

511
00:20:26.900 --> 00:20:28.060
Vincent Molina: the southernmost part of.

512
00:20:28.060 --> 00:20:30.759
INTÉRPRETE – ESPAÑOL (Ezequiel): The project would be located at the existing so.

513
00:20:30.760 --> 00:20:31.120
Vincent Molina: Icon.

514
00:20:31.120 --> 00:20:33.279
INTÉRPRETE – ESPAÑOL (Ezequiel): Valley, Northern receiving Station.

515
00:20:33.870 --> 00:20:34.250
Vincent Molina: Catered.

516
00:20:34.250 --> 00:20:36.709
INTÉRPRETE – ESPAÑOL (Ezequiel): The city of Santa Clara, adjacent, to leave.

517
00:20:36.710 --> 00:20:37.310
Vincent Molina: Stadium.

518
00:20:37.570 --> 00:20:43.000
INTÉRPRETE – ESPAÑOL (Ezequiel): Off of Lafayette Street, and approximately one mile south of State Route 237.

519
00:20:44.320 --> 00:20:45.370
Vincent Molina: These components would be.

520
00:20:45.370 --> 00:20:47.040
INTÉRPRETE – ESPAÑOL (Ezequiel): Connected via transmission lines and.

521
00:20:47.040 --> 00:20:47.940
Vincent Molina: Other Associate.

522
00:20:47.940 --> 00:20:48.350
INTÉRPRETE – ESPAÑOL (Ezequiel): Infrastructure.

523
00:20:48.350 --> 00:20:49.130
Vincent Molina: Structure

524
00:20:49.280 --> 00:20:50.389
Vincent Molina: which I will now discuss.

525
00:20:50.390 --> 00:20:51.770
INTÉRPRETE – ESPAÑOL (Ezequiel): In the following slide.

526
00:20:57.210 --> 00:20:59.370
Vincent Molina: As shown in this slide. The proposed pro.

527
00:20:59.370 --> 00:21:00.269
INTÉRPRETE – ESPAÑOL (Ezequiel): Project would include.

528
00:21:00.270 --> 00:21:02.760
Vincent Molina: 2 high voltage direct current.

529
00:21:02.850 --> 00:21:03.610
INTÉRPRETE – ESPAÑOL (Ezequiel): Or.

530

00:21:03.610 --> 00:21:05.470
Vincent Molina: Hv. DC. Terminals

531
00:21:06.690 --> 00:21:08.620
Vincent Molina: at the proposed Albre and bail.

532
00:21:08.620 --> 00:21:10.000
INTÉRPRETE – ESPAÑOL (Ezequiel): And terminal sites.

533
00:21:10.350 --> 00:21:11.299
Vincent Molina: Along with associated.

534
00:21:11.300 --> 00:21:12.670
INTÉRPRETE – ESPAÑOL (Ezequiel): Transmission lines.

535
00:21:13.180 --> 00:21:17.059
Vincent Molina: In addition to the new terminals and associated transmission lines.

536
00:21:17.080 --> 00:21:18.190
Vincent Molina: the proposed project.

537
00:21:18.190 --> 00:21:19.639
INTÉRPRETE – ESPAÑOL (Ezequiel): Like would include connections.

538
00:21:19.640 --> 00:21:20.670
Vincent Molina: And modification.

539
00:21:20.670 --> 00:21:21.769
INTÉRPRETE – ESPAÑOL (Ezequiel): To the existing.

540
00:21:21.770 --> 00:21:22.650
Vincent Molina: Pg. And E. New.

541
00:21:23.260 --> 00:21:24.470
INTÉRPRETE – ESPAÑOL (Ezequiel): And Silicon Valley.

542
00:21:24.470 --> 00:21:25.310
Vincent Molina: Power, Northern.

543
00:21:25.310 --> 00:21:26.150

INTÉRPRETE – ESPAÑOL (Ezequiel): Receiver, group.

544
00:21:26.150 --> 00:21:26.530
Vincent Molina: Northern.

545
00:21:26.530 --> 00:21:28.790
INTÉRPRETE – ESPAÑOL (Ezequiel): Receiving Substation, substations.

546
00:21:30.120 --> 00:21:30.819
Vincent Molina: Overall, there.

547
00:21:30.820 --> 00:21:31.200
INTÉRPRETE – ESPAÑOL (Ezequiel): Be a part.

548
00:21:31.200 --> 00:21:32.999
Vincent Molina: Approximately 12 and a half miles.

549
00:21:33.000 --> 00:21:35.600
INTÉRPRETE – ESPAÑOL (Ezequiel): Of transmission lines, both above.

550
00:21:35.600 --> 00:21:36.320
Vincent Molina: And below.

551
00:21:36.320 --> 00:21:36.910
INTÉRPRETE – ESPAÑOL (Ezequiel): Round.

552
00:21:38.150 --> 00:21:39.330
Vincent Molina: Project would also involve.

553
00:21:39.330 --> 00:21:41.719
INTÉRPRETE – ESPAÑOL (Ezequiel): 10 trenchless crossings.

554
00:21:42.860 --> 00:21:44.150
INTÉRPRETE – ESPAÑOL (Ezequiel): The images show.

555
00:21:44.150 --> 00:21:45.369
Vincent Molina: Own to the right.

556
00:21:45.370 --> 00:21:46.480
INTÉRPRETE – ESPAÑOL (Ezequiel): Represent, proposed, pro.

557
00:21:46.480 --> 00:21:47.410
Vincent Molina: Preliminary, diagram.

558
00:21:47.410 --> 00:21:48.959
INTÉRPRETE – ESPAÑOL (Ezequiel): Terms of what the Hv.

559
00:21:48.960 --> 00:21:49.300
Vincent Molina: DC.

560
00:21:49.300 --> 00:21:51.179
INTÉRPRETE – ESPAÑOL (Ezequiel): Terminal sites would look like.

561
00:21:51.700 --> 00:21:52.579
Vincent Molina: As well as the very.

562
00:21:52.580 --> 00:21:53.310
INTÉRPRETE – ESPAÑOL (Ezequiel): Is types of.

563
00:21:53.310 --> 00:21:54.289
Vincent Molina: Polls that may.

564
00:21:54.290 --> 00:21:56.330
INTÉRPRETE – ESPAÑOL (Ezequiel): Used for the 320 K.

565
00:21:56.330 --> 00:21:56.650
Vincent Molina: Both.

566
00:21:57.180 --> 00:21:57.890
INTÉRPRETE – ESPAÑOL (Ezequiel): Direct.

567
00:21:57.890 --> 00:21:58.530
Vincent Molina: Are in over.

568
00:21:58.530 --> 00:21:58.910
INTÉRPRETE – ESPAÑOL (Ezequiel): Head should.

569
00:21:58.910 --> 00:21:59.260
Vincent Molina: Transmit.

570
00:21:59.260 --> 00:22:00.570

INTÉRPRETE – ESPAÑOL (Ezequiel): Line structures.

571
00:22:06.040 --> 00:22:07.910
Vincent Molina: Now the image is shown in.

572
00:22:07.910 --> 00:22:08.370
INTÉRPRETE – ESPAÑOL (Ezequiel): This like.

573
00:22:08.370 --> 00:22:09.199
Vincent Molina: I present.

574
00:22:09.200 --> 00:22:11.989
INTÉRPRETE – ESPAÑOL (Ezequiel): Existing conditions of where the outbreak term.

575
00:22:11.990 --> 00:22:12.310
Vincent Molina: And also.

576
00:22:12.310 --> 00:22:13.319
INTÉRPRETE – ESPAÑOL (Ezequiel): Site would be.

577
00:22:13.970 --> 00:22:14.440
Vincent Molina: Ignore.

578
00:22:14.670 --> 00:22:15.779
INTÉRPRETE – ESPAÑOL (Ezequiel): And west.

579
00:22:15.920 --> 00:22:16.460
INTÉRPRETE – ESPAÑOL (Ezequiel): from where.

580
00:22:16.460 --> 00:22:17.300
Vincent Molina: Road.

581
00:22:18.370 --> 00:22:19.170
Vincent Molina: the surrounding.

582
00:22:19.170 --> 00:22:20.840
INTÉRPRETE – ESPAÑOL (Ezequiel): Land uses consist of an.

583
00:22:20.840 --> 00:22:23.180
Vincent Molina: Industrial facilities, including glass.

584
00:22:23.180 --> 00:22:25.809
INTÉRPRETE – ESPAÑOL (Ezequiel): And concrete fabrication. To the north.

585
00:22:26.410 --> 00:22:29.570
Vincent Molina: An electrical utilities. Distribution centered.

586
00:22:29.570 --> 00:22:30.469
INTÉRPRETE – ESPAÑOL (Ezequiel): To the east.

587
00:22:30.820 --> 00:22:33.479
INTÉRPRETE – ESPAÑOL (Ezequiel): and a car repair storage.

588
00:22:33.480 --> 00:22:34.630
Vincent Molina: An auction lot.

589
00:22:34.680 --> 00:22:36.400
Vincent Molina: To the south and west

590
00:22:41.840 --> 00:22:42.560
Vincent Molina: the image.

591
00:22:42.560 --> 00:22:44.249
INTÉRPRETE – ESPAÑOL (Ezequiel): This slide shows.

592
00:22:44.250 --> 00:22:47.680
Vincent Molina: An aerial view of the existing facilities in the area.

593
00:22:48.020 --> 00:22:49.130
Vincent Molina: with an overlay of.

594
00:22:49.130 --> 00:22:50.020
INTÉRPRETE – ESPAÑOL (Ezequiel): Proposed out.

595
00:22:50.020 --> 00:22:50.410
Vincent Molina: Bray.

596
00:22:50.590 --> 00:22:52.010
INTÉRPRETE – ESPAÑOL (Ezequiel): Terminal site in the.

597

00:22:52.010 --> 00:22:53.570
Vincent Molina: Teal blue box.

598
00:22:54.520 --> 00:22:55.660
Vincent Molina: 2 staging area.

599
00:22:55.660 --> 00:22:57.799
INTÉRPRETE – ESPAÑOL (Ezequiel): In purple, black. Hashing.

600
00:22:58.490 --> 00:23:00.090
Vincent Molina: Above ground. Transmission struck.

601
00:23:00.090 --> 00:23:00.750
INTÉRPRETE – ESPAÑOL (Ezequiel): Sure, is.

602
00:23:00.750 --> 00:23:01.970
Vincent Molina: And yellow dots.

603
00:23:02.480 --> 00:23:03.639
Vincent Molina: and the transmission, like.

604
00:23:03.640 --> 00:23:04.880
INTÉRPRETE – ESPAÑOL (Ezequiel): Alignments, shown.

605
00:23:04.880 --> 00:23:05.650
Vincent Molina: In red.

606
00:23:05.910 --> 00:23:06.810
INTÉRPRETE – ESPAÑOL (Ezequiel): And in green.

607
00:23:11.470 --> 00:23:13.240
Vincent Molina: The image on this slide.

608
00:23:13.770 --> 00:23:14.889
INTÉRPRETE – ESPAÑOL (Ezequiel): Shows a close up

609
00:23:15.170 --> 00:23:15.940
INTÉRPRETE – ESPAÑOL (Ezequiel): of the proliferation.

610
00:23:15.940 --> 00:23:16.780
Vincent Molina: Layout.

611
00:23:16.780 --> 00:23:20.839
INTÉRPRETE – ESPAÑOL (Ezequiel): Of the proposed facilities for the proposed outbre terminal.

612
00:23:28.940 --> 00:23:32.449
Vincent Molina: Similar to the proposed Albre Terminal site.

613
00:23:33.330 --> 00:23:33.680
INTÉRPRETE – ESPAÑOL (Ezequiel): Images.

614
00:23:33.680 --> 00:23:34.070
Vincent Molina: Zone, and.

615
00:23:34.070 --> 00:23:34.670
INTÉRPRETE – ESPAÑOL (Ezequiel): Slide, pretty.

616
00:23:34.670 --> 00:23:35.360
Vincent Molina: And the existing.

617
00:23:35.360 --> 00:23:37.470
INTÉRPRETE – ESPAÑOL (Ezequiel): Conditions of where the proposed.

618
00:23:37.470 --> 00:23:38.999
Vincent Molina: Bailon Bailon's Terminal side.

619
00:23:39.000 --> 00:23:39.810
INTÉRPRETE – ESPAÑOL (Ezequiel): Would be

620
00:23:40.410 --> 00:23:44.799
INTÉRPRETE – ESPAÑOL (Ezequiel): which would be located west of the existing San Jose, Santa Clara.

621
00:23:44.800 --> 00:23:45.719
Vincent Molina: Our regional waste.

622
00:23:45.720 --> 00:23:46.170
INTÉRPRETE – ESPAÑOL (Ezequiel): Waterface.

623
00:23:46.170 --> 00:23:48.080
Vincent Molina: Off of Los Asteros.

624
00:23:48.080 --> 00:23:48.650
INTÉRPRETE – ESPAÑOL (Ezequiel): Good.

625
00:23:50.450 --> 00:23:52.030
INTÉRPRETE – ESPAÑOL (Ezequiel): The image on the left.

626
00:23:52.360 --> 00:23:53.399
Vincent Molina: Use the site we.

627
00:23:53.400 --> 00:23:54.219
INTÉRPRETE – ESPAÑOL (Ezequiel): Looking north.

628
00:23:55.810 --> 00:23:57.150
Vincent Molina: And the image on the right.

629
00:23:57.400 --> 00:23:59.909
INTÉRPRETE – ESPAÑOL (Ezequiel): And Severes south and southwest.

630
00:24:00.110 --> 00:24:00.810
Vincent Molina: The site

631
00:24:01.840 --> 00:24:02.600
Vincent Molina: for security.

632
00:24:02.600 --> 00:24:04.339
INTÉRPRETE – ESPAÑOL (Ezequiel): Reasons, detailed information.

633
00:24:04.340 --> 00:24:05.120
Vincent Molina: On the location.

634
00:24:05.120 --> 00:24:05.710
INTÉRPRETE – ESPAÑOL (Ezequiel): Of the existing.

635
00:24:05.710 --> 00:24:06.230
Vincent Molina: Being regional.

636
00:24:06.230 --> 00:24:08.440
INTÉRPRETE – ESPAÑOL (Ezequiel): So wastewater facilities is not shown.

637

00:24:10.310 --> 00:24:10.870
Vincent Molina: Shown in these.

638
00:24:10.870 --> 00:24:11.820
INTÉRPRETE – ESPAÑOL (Ezequiel): Pictures.

639
00:24:12.800 --> 00:24:16.809
Vincent Molina: Surrounding land uses consist of Los Sisteras Road and.

640
00:24:16.810 --> 00:24:19.819
INTÉRPRETE – ESPAÑOL (Ezequiel): Recycling and trash center to the north, which is the region.

641
00:24:19.820 --> 00:24:21.980
Vincent Molina: So wastewater facility to the east

642
00:24:22.840 --> 00:24:23.690
Vincent Molina: and undeveloped.

643
00:24:23.690 --> 00:24:25.350
INTÉRPRETE – ESPAÑOL (Ezequiel): Oakland to the south and west.

644
00:24:30.800 --> 00:24:34.049
Vincent Molina: The image shown on this slide is an aerial view of the.

645
00:24:34.050 --> 00:24:35.739
INTÉRPRETE – ESPAÑOL (Ezequiel): Existing Utility, facilities.

646
00:24:35.740 --> 00:24:36.560
Vincent Molina: The area.

647
00:24:37.000 --> 00:24:39.020
Vincent Molina: notably the regional wastewater.

648
00:24:39.020 --> 00:24:39.930
INTÉRPRETE – ESPAÑOL (Ezequiel): Facility.

649
00:24:40.470 --> 00:24:41.320
Vincent Molina: With an overlay.

650
00:24:41.320 --> 00:24:41.990

INTÉRPRETE – ESPAÑOL (Ezequiel): Of the proposed.

651
00:24:41.990 --> 00:24:43.990
Vincent Molina: Bayland's terminal to the west.

652
00:24:44.500 --> 00:24:45.050
INTÉRPRETE – ESPAÑOL (Ezequiel): And it.

653
00:24:45.050 --> 00:24:45.750
Vincent Molina: Teal, black.

654
00:24:45.750 --> 00:24:46.570
INTÉRPRETE – ESPAÑOL (Ezequiel): Hashing.

655
00:24:47.420 --> 00:24:49.850
Vincent Molina: Staging areas in purple, black hashing

656
00:24:50.510 --> 00:24:52.710
Vincent Molina: above ground transmission structures and.

657
00:24:52.710 --> 00:24:53.699
INTÉRPRETE – ESPAÑOL (Ezequiel): Yellow dots

658
00:24:54.180 --> 00:24:57.820
INTÉRPRETE – ESPAÑOL (Ezequiel): and the transmission line alignments in green.

659
00:25:06.040 --> 00:25:07.000
Vincent Molina: And finally.

660
00:25:07.430 --> 00:25:09.680
Vincent Molina: the image on this slide shows a clear.

661
00:25:09.680 --> 00:25:10.350
INTÉRPRETE – ESPAÑOL (Ezequiel): What's up?

662
00:25:10.350 --> 00:25:11.700
Vincent Molina: Of the preliminary layout.

663
00:25:11.700 --> 00:25:13.200
INTÉRPRETE – ESPAÑOL (Ezequiel): The proposed facilities.

664
00:25:13.200 --> 00:25:14.770
Vincent Molina: For the proposed Valence terminal.

665
00:25:15.320 --> 00:25:16.050
INTÉRPRETE – ESPAÑOL (Ezequiel): As was shown.

666
00:25:16.050 --> 00:25:17.150
Vincent Molina: And with the proposed.

667
00:25:17.520 --> 00:25:18.339
INTÉRPRETE – ESPAÑOL (Ezequiel): Upgrade, terminal.

668
00:25:27.340 --> 00:25:29.179
Vincent Molina: The 4 images in this slide.

669
00:25:29.180 --> 00:25:29.630
INTÉRPRETE – ESPAÑOL (Ezequiel): Depict.

670
00:25:29.630 --> 00:25:30.230
Vincent Molina: 4 areas.

671
00:25:30.230 --> 00:25:31.830
INTÉRPRETE – ESPAÑOL (Ezequiel): Along the proposed project.

672
00:25:31.830 --> 00:25:32.779
Vincent Molina: Like alignment.

673
00:25:34.340 --> 00:25:34.850
Vincent Molina: The time.

674
00:25:34.850 --> 00:25:36.130
INTÉRPRETE – ESPAÑOL (Ezequiel): Top, left image.

675
00:25:36.400 --> 00:25:37.660
Vincent Molina: Is where the project.

676
00:25:37.660 --> 00:25:38.360
INTÉRPRETE – ESPAÑOL (Ezequiel): Admin would.

677

00:25:38.360 --> 00:25:38.740
Vincent Molina: Parallel.

678
00:25:38.740 --> 00:25:40.540
INTÉRPRETE – ESPAÑOL (Ezequiel): The Cushing Parkway Bridge.

679
00:25:41.270 --> 00:25:42.289
INTÉRPRETE – ESPAÑOL (Ezequiel): the image views.

680
00:25:42.290 --> 00:25:42.610
Vincent Molina: South.

681
00:25:42.610 --> 00:25:43.260
INTÉRPRETE – ESPAÑOL (Ezequiel): East.

682
00:25:43.410 --> 00:25:44.760
Vincent Molina: With a Don Edwards, while.

683
00:25:44.760 --> 00:25:47.229
INTÉRPRETE – ESPAÑOL (Ezequiel): Life refuge to the left of the image.

684
00:25:49.530 --> 00:25:51.200
INTÉRPRETE – ESPAÑOL (Ezequiel): the top right image.

685
00:25:51.400 --> 00:25:52.080
Vincent Molina: Is adjacent.

686
00:25:52.080 --> 00:25:52.670
INTÉRPRETE – ESPAÑOL (Ezequiel): To be.

687
00:25:52.670 --> 00:25:52.989
Vincent Molina: A yo.

688
00:25:52.990 --> 00:25:53.370
INTÉRPRETE – ESPAÑOL (Ezequiel): Creek.

689
00:25:53.370 --> 00:25:54.550
Vincent Molina: Lagoon trail.

690
00:25:54.840 --> 00:25:57.180
Vincent Molina: looking east along Fremont Boulevard.

691
00:25:58.510 --> 00:26:00.229
Vincent Molina: Area is generally surrounded by white.

692
00:26:00.230 --> 00:26:01.040
INTÉRPRETE – ESPAÑOL (Ezequiel): Houses.

693
00:26:03.850 --> 00:26:04.620
Vincent Molina: Bottom left it.

694
00:26:04.620 --> 00:26:06.420
INTÉRPRETE – ESPAÑOL (Ezequiel): Views west towards.

695
00:26:06.420 --> 00:26:08.610
Vincent Molina: Existing Pg. And E. Newark, sub.

696
00:26:08.610 --> 00:26:09.720
INTÉRPRETE – ESPAÑOL (Ezequiel): Station. On what?

697
00:26:09.720 --> 00:26:10.530
Vincent Molina: Road.

698
00:26:11.080 --> 00:26:13.469
INTÉRPRETE – ESPAÑOL (Ezequiel): The proposed Albre terminal site would be a.

699
00:26:13.470 --> 00:26:13.850
Vincent Molina: Listen.

700
00:26:13.850 --> 00:26:15.389
INTÉRPRETE – ESPAÑOL (Ezequiel): To some 0.

701
00:26:15.390 --> 00:26:16.700
Vincent Molina: Point 2 miles.

702
00:26:17.890 --> 00:26:19.060
Vincent Molina: and finally

703
00:26:20.380 --> 00:26:21.989
Vincent Molina: the bottom right image.

704
00:26:21.990 --> 00:26:25.350
INTÉRPRETE – ESPAÑOL (Ezequiel): Looks west towards the existing Silicon Valley power.

705
00:26:25.350 --> 00:26:26.780
Vincent Molina: Northern receiving stations.

706
00:26:26.780 --> 00:26:27.610
INTÉRPRETE – ESPAÑOL (Ezequiel): Station.

707
00:26:28.680 --> 00:26:30.609
Vincent Molina: Screened out by a tall concrete wall.

708
00:26:32.470 --> 00:26:33.040
INTÉRPRETE – ESPAÑOL (Ezequiel): Now.

709
00:26:33.040 --> 00:26:34.629
Vincent Molina: Handing it back to Dave.

710
00:26:35.184 --> 00:26:36.359
Vincent Molina: Who will describe more.

711
00:26:36.360 --> 00:26:38.389
INTÉRPRETE – ESPAÑOL (Ezequiel): On the Ceqa Eir process.

712
00:26:40.510 --> 00:26:42.960
Dave Davis: Thanks, Vince, so there you have it on.

713
00:26:43.202 --> 00:26:43.930
INTÉRPRETE – ESPAÑOL (Ezequiel): The project under.

714
00:26:43.930 --> 00:26:44.770
Dave Davis: Review.

715
00:26:45.380 --> 00:26:45.940
INTÉRPRETE – ESPAÑOL (Ezequiel): Back.

716
00:26:45.940 --> 00:26:47.450
Dave Davis: To the sequel process.

717

00:26:47.720 --> 00:26:51.689
Dave Davis: This slide shows the environmental resource areas that.

718
00:26:52.050 --> 00:26:53.849
INTÉRPRETE – ESPAÑOL (Ezequiel): We look at under Ceqa.

719
00:26:54.370 --> 00:26:54.940
INTÉRPRETE – ESPAÑOL (Ezequiel): The 3.rd

720
00:26:54.940 --> 00:26:56.449
Dave Davis: 20 of them. They range from.

721
00:26:56.450 --> 00:26:56.920
INTÉRPRETE – ESPAÑOL (Ezequiel): Public.

722
00:26:57.546 --> 00:26:58.799
Dave Davis: Biological Resources.

723
00:26:58.800 --> 00:27:01.060
INTÉRPRETE – ESPAÑOL (Ezequiel): Additional resources or aesthetics.

724
00:27:01.490 --> 00:27:02.110
INTÉRPRETE – ESPAÑOL (Ezequiel): To.

725
00:27:02.110 --> 00:27:03.009
Dave Davis: Population, and how.

726
00:27:03.010 --> 00:27:03.329
INTÉRPRETE – ESPAÑOL (Ezequiel): So you need.

727
00:27:03.330 --> 00:27:03.900
Dave Davis: Utility.

728
00:27:03.900 --> 00:27:06.580
INTÉRPRETE – ESPAÑOL (Ezequiel): And service systems and and wildfire.

729
00:27:08.750 --> 00:27:10.040
Dave Davis: Next slide please.

730
00:27:15.100 --> 00:27:17.809
Dave Davis: within each resource area. This is how we.

731
00:27:17.810 --> 00:27:18.960
INTÉRPRETE – ESPAÑOL (Ezequiel): Determine the impact.

732
00:27:18.960 --> 00:27:20.120
Dave Davis: That would go. Yeah.

733
00:27:20.120 --> 00:27:20.530
INTÉRPRETE – ESPAÑOL (Ezequiel): Into.

734
00:27:20.530 --> 00:27:24.119
Dave Davis: That draft Eir that I spoke of several slides back up.

735
00:27:25.120 --> 00:27:27.879
Dave Davis: 1st we would define and describe the existing settings.

736
00:27:28.980 --> 00:27:29.889
Dave Davis: What's there?

737
00:27:30.190 --> 00:27:31.259
Dave Davis: Where is it?

738
00:27:32.070 --> 00:27:32.780
INTÉRPRETE – ESPAÑOL (Ezequiel): In.

739
00:27:32.780 --> 00:27:38.839
Dave Davis: We look at it in the context of that resource area. So if we're looking at noise, we're doing the noise, analysis.

740
00:27:38.840 --> 00:27:39.450
INTÉRPRETE – ESPAÑOL (Ezequiel): Be looking.

741
00:27:39.450 --> 00:27:43.700
Dave Davis: For existing sources of noise. What is the level of sound generated.

742
00:27:43.700 --> 00:27:45.650
INTÉRPRETE – ESPAÑOL (Ezequiel): And by those.

743
00:27:45.650 --> 00:27:45.990
Dave Davis: Exists.

744
00:27:45.990 --> 00:27:46.980
INTÉRPRETE – ESPAÑOL (Ezequiel): North.

745
00:27:46.980 --> 00:27:47.350
Dave Davis: Source.

746
00:27:47.350 --> 00:27:47.940
INTÉRPRETE – ESPAÑOL (Ezequiel): Just.

747
00:27:48.590 --> 00:27:50.189
Dave Davis: And then we also look.

748
00:27:50.190 --> 00:27:50.670
INTÉRPRETE – ESPAÑOL (Ezequiel): Have to ring.

749
00:27:50.670 --> 00:27:51.690
Dave Davis: Setting.

750
00:27:51.960 --> 00:27:55.289
Dave Davis: And this is where we come through laws or.

751
00:27:55.290 --> 00:27:56.500
INTÉRPRETE – ESPAÑOL (Ezequiel): And and says.

752
00:27:57.050 --> 00:27:58.260
Dave Davis: Regulations.

753
00:27:58.260 --> 00:27:59.960
INTÉRPRETE – ESPAÑOL (Ezequiel): General Plan.

754
00:27:59.960 --> 00:28:00.940
Dave Davis: Policies.

755
00:28:01.525 --> 00:28:01.730
INTÉRPRETE – ESPAÑOL (Ezequiel): To.

756
00:28:01.730 --> 00:28:06.299
Dave Davis: Find any such information that has.

757

00:28:06.300 --> 00:28:08.590
INTÉRPRETE – ESPAÑOL (Ezequiel): Jurisdiction over that particular resource.

758
00:28:08.590 --> 00:28:09.030
Dave Davis: Area.

759
00:28:10.150 --> 00:28:10.900
INTÉRPRETE – ESPAÑOL (Ezequiel): Can we use.

760
00:28:10.900 --> 00:28:11.380
Dave Davis: Is that right?

761
00:28:11.380 --> 00:28:12.820
INTÉRPRETE – ESPAÑOL (Ezequiel): Territory.

762
00:28:12.820 --> 00:28:15.010
Dave Davis: To establish our threat.

763
00:28:15.010 --> 00:28:16.510
INTÉRPRETE – ESPAÑOL (Ezequiel): Holds of significance

764
00:28:16.880 --> 00:28:20.140
INTÉRPRETE – ESPAÑOL (Ezequiel): that helps us to find. What is that significant.

765
00:28:20.140 --> 00:28:21.470
Dave Davis: Threat.

766
00:28:21.470 --> 00:28:21.930
INTÉRPRETE – ESPAÑOL (Ezequiel): Told.

767
00:28:22.000 --> 00:28:22.699
Dave Davis: And again.

768
00:28:22.700 --> 00:28:23.340
INTÉRPRETE – ESPAÑOL (Ezequiel): In, the.

769
00:28:23.340 --> 00:28:26.129
Dave Davis: Case of noise it could be a level of death.

770

00:28:26.130 --> 00:28:26.800
INTÉRPRETE – ESPAÑOL (Ezequiel): Most.

771
00:28:27.460 --> 00:28:29.140
Dave Davis: That noise should not.

772
00:28:29.140 --> 00:28:30.350
INTÉRPRETE – ESPAÑOL (Ezequiel): Increase, over.

773
00:28:30.350 --> 00:28:31.939
Dave Davis: A set X.

774
00:28:31.940 --> 00:28:34.500
INTÉRPRETE – ESPAÑOL (Ezequiel): Or it should not increase, exists.

775
00:28:34.500 --> 00:28:37.470
Dave Davis: Noise by X decibels.

776
00:28:39.300 --> 00:28:42.950
Dave Davis: Once we've set that mark, we set the project.

777
00:28:42.950 --> 00:28:44.749
INTÉRPRETE – ESPAÑOL (Ezequiel): Up against that, and determine what.

778
00:28:44.750 --> 00:28:46.390
Dave Davis: Impacts are.

779
00:28:46.880 --> 00:28:49.190
Dave Davis: And as we identify the.

780
00:28:49.190 --> 00:28:50.520
INTÉRPRETE – ESPAÑOL (Ezequiel): Project impacts. We also.

781
00:28:50.520 --> 00:28:51.050
Dave Davis: Out!

782
00:28:51.050 --> 00:28:51.870
INTÉRPRETE – ESPAÑOL (Ezequiel): Start developing.

783
00:28:51.870 --> 00:28:52.480
Dave Davis: Mitigation.

784
00:28:52.480 --> 00:28:53.480
INTÉRPRETE – ESPAÑOL (Ezequiel): Measures.

785
00:28:53.480 --> 00:28:54.710
Dave Davis: That could help.

786
00:28:54.710 --> 00:28:56.690
INTÉRPRETE – ESPAÑOL (Ezequiel): Reduce the impact.

787
00:28:56.690 --> 00:29:01.759
Dave Davis: To a less than significant level or keep the potential impact below.

788
00:29:02.320 --> 00:29:02.710
Dave Davis: Paste.

789
00:29:02.710 --> 00:29:03.540
INTÉRPRETE – ESPAÑOL (Ezequiel): It's significant.

790
00:29:03.540 --> 00:29:04.810
Dave Davis: Threshold.

791
00:29:07.160 --> 00:29:12.370
Dave Davis: and with those mitigations in place in our analysis. We then.

792
00:29:12.370 --> 00:29:12.890
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

793
00:29:12.890 --> 00:29:14.589
Dave Davis: Make a determination on the.

794
00:29:14.590 --> 00:29:17.120
INTÉRPRETE – ESPAÑOL (Ezequiel): Significance after mitigation is applied.

795
00:29:19.130 --> 00:29:21.019
Dave Davis: Now we also evaluate cumulative.

796
00:29:21.020 --> 00:29:22.000
INTÉRPRETE – ESPAÑOL (Ezequiel): Impacts.

797
00:29:22.000 --> 00:29:25.379
Dave Davis: This project, or any project does not occur within a vacuum.

798
00:29:25.710 --> 00:29:26.679
INTÉRPRETE – ESPAÑOL (Ezequiel): There are other.

799
00:29:26.680 --> 00:29:27.650
Dave Davis: Projects that could be.

800
00:29:27.650 --> 00:29:28.330
INTÉRPRETE – ESPAÑOL (Ezequiel): Under construction.

801
00:29:28.330 --> 00:29:28.870
Dave Davis: Portion.

802
00:29:28.870 --> 00:29:30.340
INTÉRPRETE – ESPAÑOL (Ezequiel): Or planned.

803
00:29:30.340 --> 00:29:31.050
Dave Davis: With, yeah.

804
00:29:31.050 --> 00:29:31.650
INTÉRPRETE – ESPAÑOL (Ezequiel): Don't need.

805
00:29:31.650 --> 00:29:32.839
Dave Davis: Project study area.

806
00:29:32.840 --> 00:29:33.960
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

807
00:29:34.190 --> 00:29:36.100
Dave Davis: We need or sleep are required.

808
00:29:36.100 --> 00:29:36.929
INTÉRPRETE – ESPAÑOL (Ezequiel): Us, to.

809
00:29:36.930 --> 00:29:38.039
Dave Davis: Look at our.

810

00:29:38.040 --> 00:29:38.930
INTÉRPRETE – ESPAÑOL (Ezequiel): Impacts.

811
00:29:38.930 --> 00:29:39.690
Dave Davis: In concert.

812
00:29:39.690 --> 00:29:41.599
INTÉRPRETE – ESPAÑOL (Ezequiel): With the impacts.

813
00:29:41.880 --> 00:29:44.080
Dave Davis: That could be created by those 2.

814
00:29:44.080 --> 00:29:45.230
INTÉRPRETE – ESPAÑOL (Ezequiel): And projects.

815
00:29:47.160 --> 00:29:50.499
Dave Davis: And then finally, Ceqa instructs us to look at the impact.

816
00:29:50.500 --> 00:29:51.800
INTÉRPRETE – ESPAÑOL (Ezequiel): Of alternatives.

817
00:29:52.320 --> 00:29:53.840
Dave Davis: Mentioned earlier that one of the.

818
00:29:53.840 --> 00:29:54.280
INTÉRPRETE – ESPAÑOL (Ezequiel): Thanks for.

819
00:29:54.280 --> 00:29:55.620
Dave Davis: Do is look at.

820
00:29:55.620 --> 00:29:56.050
INTÉRPRETE – ESPAÑOL (Ezequiel): Alternative.

821
00:29:56.050 --> 00:29:57.140
Dave Davis: Or other actions.

822
00:29:57.140 --> 00:29:57.920
INTÉRPRETE – ESPAÑOL (Ezequiel): That.

823
00:29:57.920 --> 00:29:58.540
Dave Davis: Could also.

824
00:29:58.540 --> 00:29:59.780
INTÉRPRETE – ESPAÑOL (Ezequiel): Reduce.

825
00:30:00.560 --> 00:30:01.790
INTÉRPRETE – ESPAÑOL (Ezequiel): And and.

826
00:30:01.790 --> 00:30:03.660
Dave Davis: Environmental impact of a product.

827
00:30:03.660 --> 00:30:04.330
INTÉRPRETE – ESPAÑOL (Ezequiel): That.

828
00:30:06.260 --> 00:30:07.590
Dave Davis: Next slide, please.

829
00:30:13.810 --> 00:30:15.649
Dave Davis: So when we consider project.

830
00:30:15.650 --> 00:30:16.630
INTÉRPRETE – ESPAÑOL (Ezequiel): Alternatives.

831
00:30:16.630 --> 00:30:19.119
Dave Davis: We identify a range of reasonable alternative.

832
00:30:19.120 --> 00:30:19.900
INTÉRPRETE – ESPAÑOL (Ezequiel): This.

833
00:30:20.250 --> 00:30:21.710
Dave Davis: Void, or less.

834
00:30:21.710 --> 00:30:22.680
INTÉRPRETE – ESPAÑOL (Ezequiel): And significant.

835
00:30:22.680 --> 00:30:24.050
Dave Davis: Impacts, of.

836
00:30:24.050 --> 00:30:25.140
INTÉRPRETE – ESPAÑOL (Ezequiel): The project.

837

00:30:26.040 --> 00:30:26.520
Dave Davis: To be fee.

838
00:30:26.520 --> 00:30:26.910
INTÉRPRETE – ESPAÑOL (Ezequiel): For.

839
00:30:26.910 --> 00:30:27.820
Dave Davis: Legal perspective.

840
00:30:27.820 --> 00:30:28.330
INTÉRPRETE – ESPAÑOL (Ezequiel): Yes.

841
00:30:28.330 --> 00:30:30.180
Dave Davis: A regulatory perspective

842
00:30:30.350 --> 00:30:31.060
Dave Davis: and a tech.

843
00:30:31.060 --> 00:30:32.320
INTÉRPRETE – ESPAÑOL (Ezequiel): Perspective.

844
00:30:33.350 --> 00:30:34.630
Dave Davis: And they must also.

845
00:30:34.630 --> 00:30:35.540
INTÉRPRETE – ESPAÑOL (Ezequiel): It's the.

846
00:30:35.540 --> 00:30:37.479
Dave Davis: Most of the basic project.

847
00:30:37.480 --> 00:30:38.640
INTÉRPRETE – ESPAÑOL (Ezequiel): Objectives.

848
00:30:41.290 --> 00:30:41.960
Dave Davis: Next slide, please.

849
00:30:41.960 --> 00:30:42.590
INTÉRPRETE – ESPAÑOL (Ezequiel): Please.

850
00:30:47.500 --> 00:30:50.799
Dave Davis: So here are the project objectives presented to.

851
00:30:50.800 --> 00:30:51.550
INTÉRPRETE – ESPAÑOL (Ezequiel): See if you.

852
00:30:51.550 --> 00:30:52.170
Dave Davis: Received by.

853
00:30:52.170 --> 00:30:54.349
INTÉRPRETE – ESPAÑOL (Ezequiel): The project with the applicant. Alice Power.

854
00:30:55.060 --> 00:30:57.979
INTÉRPRETE – ESPAÑOL (Ezequiel): I won't read through every one of these things.

855
00:30:58.270 --> 00:30:58.960
Dave Davis: But really.

856
00:30:58.960 --> 00:30:59.820
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

857
00:30:59.820 --> 00:31:01.150
Dave Davis: Simply. They bought.

858
00:31:01.150 --> 00:31:01.520
INTÉRPRETE – ESPAÑOL (Ezequiel): Down.

859
00:31:01.520 --> 00:31:03.410
Dave Davis: To address.

860
00:31:03.410 --> 00:31:03.860
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

861
00:31:03.860 --> 00:31:05.939
Dave Davis: Service reliability in the South.

862
00:31:05.940 --> 00:31:07.049
INTÉRPRETE – ESPAÑOL (Ezequiel): Bay region and.

863
00:31:07.050 --> 00:31:08.900
Dave Davis: To deliver energy from renewable.

864
00:31:08.900 --> 00:31:09.240
INTÉRPRETE – ESPAÑOL (Ezequiel): Him.

865
00:31:09.240 --> 00:31:11.560
Dave Davis: Energy, generation, projects.

866
00:31:12.230 --> 00:31:15.079
INTÉRPRETE – ESPAÑOL (Ezequiel): If you have interest in what the project objective.

867
00:31:15.080 --> 00:31:16.380
Dave Davis: Are, they are.

868
00:31:16.380 --> 00:31:17.090
INTÉRPRETE – ESPAÑOL (Ezequiel): Included in that.

869
00:31:17.090 --> 00:31:18.980
Dave Davis: Nlp that is on.

870
00:31:18.980 --> 00:31:19.959
INTÉRPRETE – ESPAÑOL (Ezequiel): CPU. Sees project.

871
00:31:19.960 --> 00:31:20.440
Dave Davis: Website.

872
00:31:20.440 --> 00:31:24.370
INTÉRPRETE – ESPAÑOL (Ezequiel): And these will be presented as well in the.

873
00:31:24.625 --> 00:31:24.880
Dave Davis: Eio.

874
00:31:24.880 --> 00:31:25.800
INTÉRPRETE – ESPAÑOL (Ezequiel): Itself.

875
00:31:28.750 --> 00:31:30.809
INTÉRPRETE – ESPAÑOL (Ezequiel): So next slide, please.

876
00:31:34.860 --> 00:31:37.343
Dave Davis: So alternatives may include those.

877
00:31:37.840 --> 00:31:38.430
INTÉRPRETE – ESPAÑOL (Ezequiel): Those.

878
00:31:38.430 --> 00:31:39.630
Dave Davis: Offered up by.

879
00:31:39.680 --> 00:31:41.120
INTÉRPRETE – ESPAÑOL (Ezequiel): Of the applicant

880
00:31:42.100 --> 00:31:43.490
INTÉRPRETE – ESPAÑOL (Ezequiel): they could be.

881
00:31:43.490 --> 00:31:46.479
Dave Davis: Suggestions offered up by you. You know the the public.

882
00:31:46.480 --> 00:31:47.409
INTÉRPRETE – ESPAÑOL (Ezequiel): Like are the.

883
00:31:47.410 --> 00:31:47.970
Dave Davis: Agents.

884
00:31:47.970 --> 00:31:48.450
INTÉRPRETE – ESPAÑOL (Ezequiel): Needs.

885
00:31:48.940 --> 00:31:49.670
INTÉRPRETE – ESPAÑOL (Ezequiel): That.

886
00:31:49.670 --> 00:31:50.710
Dave Davis: Are having.

887
00:31:50.710 --> 00:31:51.110
INTÉRPRETE – ESPAÑOL (Ezequiel): Interest.

888
00:31:51.110 --> 00:31:52.160
Dave Davis: And this project.

889
00:31:52.770 --> 00:31:57.179
Dave Davis: and in collaboration with Cpuc, our Ceqa. Team.

890

00:31:57.180 --> 00:31:57.800
INTÉRPRETE – ESPAÑOL (Ezequiel): I can.

891
00:31:57.800 --> 00:31:58.240
Dave Davis: So that.

892
00:31:58.240 --> 00:31:58.840
INTÉRPRETE – ESPAÑOL (Ezequiel): Follow up!

893
00:31:59.500 --> 00:32:01.520
INTÉRPRETE – ESPAÑOL (Ezequiel): Project alternatives to be considered

894
00:32:02.030 --> 00:32:02.860
INTÉRPRETE – ESPAÑOL (Ezequiel): in one week.

895
00:32:02.860 --> 00:32:05.290
Dave Davis: Develop those project alternatives.

896
00:32:05.860 --> 00:32:06.760
INTÉRPRETE – ESPAÑOL (Ezequiel): It's.

897
00:32:07.040 --> 00:32:10.029
Dave Davis: Just like the project. We need to consider the location.

898
00:32:10.030 --> 00:32:10.410
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

899
00:32:10.820 --> 00:32:13.160
INTÉRPRETE – ESPAÑOL (Ezequiel): Of the alternatives. Transmission, like.

900
00:32:13.160 --> 00:32:13.630
Dave Davis: You're out.

901
00:32:13.630 --> 00:32:14.930
INTÉRPRETE – ESPAÑOL (Ezequiel): The technology.

902
00:32:14.930 --> 00:32:15.460
Dave Davis: Method.

903
00:32:15.460 --> 00:32:17.330
INTÉRPRETE – ESPAÑOL (Ezequiel): Of construction.

904
00:32:17.672 --> 00:32:18.699
Dave Davis: The technology. You.

905
00:32:18.700 --> 00:32:19.370
INTÉRPRETE – ESPAÑOL (Ezequiel): Used.

906
00:32:20.942 --> 00:32:22.107
Dave Davis: To to.

907
00:32:22.690 --> 00:32:23.080
INTÉRPRETE – ESPAÑOL (Ezequiel): Execute them.

908
00:32:23.080 --> 00:32:29.960
Dave Davis: Project. For instance, it might not be a terminal, but it could be a battery storage system.

909
00:32:29.960 --> 00:32:30.850
INTÉRPRETE – ESPAÑOL (Ezequiel): There could be a different type.

910
00:32:30.850 --> 00:32:31.380
Dave Davis: Analogy.

911
00:32:31.380 --> 00:32:32.029
INTÉRPRETE – ESPAÑOL (Ezequiel): That way.

912
00:32:32.850 --> 00:32:36.652
Dave Davis: And there's other things that go into it. But those are really kind of the higher

913
00:32:36.890 --> 00:32:37.820
INTÉRPRETE – ESPAÑOL (Ezequiel): Kind of the the.

914
00:32:37.820 --> 00:32:38.880
Dave Davis: Basic things.

915
00:32:39.165 --> 00:32:40.589
INTÉRPRETE – ESPAÑOL (Ezequiel): That we look at and.

916
00:32:40.590 --> 00:32:42.010
Dave Davis: Project alternatives.

917
00:32:44.580 --> 00:32:47.940
Dave Davis: and then finally, the no project alternative.

918
00:32:48.080 --> 00:32:48.929
Dave Davis: Now this is.

919
00:32:48.930 --> 00:32:49.540
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

920
00:32:49.540 --> 00:32:50.239
Dave Davis: An alternative.

921
00:32:50.240 --> 00:32:51.050
INTÉRPRETE – ESPAÑOL (Ezequiel): For the project.

922
00:32:51.050 --> 00:32:52.639
Dave Davis: Goes away, and.

923
00:32:52.640 --> 00:32:53.140
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

924
00:32:53.140 --> 00:32:53.700
Dave Davis: Life goes on.

925
00:32:54.010 --> 00:32:55.050
INTÉRPRETE – ESPAÑOL (Ezequiel): That they.

926
00:32:55.050 --> 00:32:56.759
Dave Davis: Existing, condition continues.

927
00:32:57.331 --> 00:32:59.860
INTÉRPRETE – ESPAÑOL (Ezequiel): There could be. If in the.

928
00:32:59.860 --> 00:33:01.140
Dave Davis: Absence of the proposal.

929
00:33:01.140 --> 00:33:03.369
INTÉRPRETE – ESPAÑOL (Ezequiel): Those projects, projects, other.

930

00:33:03.370 --> 00:33:05.900
Dave Davis: All projects could be offered up to.

931
00:33:05.900 --> 00:33:06.230
INTÉRPRETE – ESPAÑOL (Ezequiel): That.

932
00:33:06.230 --> 00:33:07.100
Dave Davis: Gap, to fill up.

933
00:33:07.100 --> 00:33:08.540
INTÉRPRETE – ESPAÑOL (Ezequiel): To fill those objects.

934
00:33:08.540 --> 00:33:09.150
Dave Davis: Actors.

935
00:33:09.800 --> 00:33:10.290
Dave Davis: So.

936
00:33:10.410 --> 00:33:11.020
INTÉRPRETE – ESPAÑOL (Ezequiel): We don't we.

937
00:33:11.020 --> 00:33:12.619
Dave Davis: Need to kind of consider.

938
00:33:12.790 --> 00:33:16.509
INTÉRPRETE – ESPAÑOL (Ezequiel): You know what would happen in the event that the project didn't get built.

939
00:33:16.570 --> 00:33:19.290
INTÉRPRETE – ESPAÑOL (Ezequiel): But perhaps other projects did.

940
00:33:22.280 --> 00:33:22.740
Dave Davis: Yeah.

941
00:33:22.780 --> 00:33:23.410
INTÉRPRETE – ESPAÑOL (Ezequiel): I'm going to.

942
00:33:23.410 --> 00:33:26.499
Dave Davis: Transition it back to the Tommy to take us home.

943
00:33:31.320 --> 00:33:32.170

Tommy Alexander: Thanks, Dave.

944
00:33:34.720 --> 00:33:37.909
Tommy Alexander: so in a few minutes you'll have the chance to provide.

945
00:33:37.910 --> 00:33:38.770
INTÉRPRETE – ESPAÑOL (Ezequiel): Verbal, comment.

946
00:33:38.770 --> 00:33:41.540
Tommy Alexander: On the scope and content of the secret document.

947
00:33:42.230 --> 00:33:43.040
Tommy Alexander: You can also.

948
00:33:43.040 --> 00:33:43.550
INTÉRPRETE – ESPAÑOL (Ezequiel): Submit.

949
00:33:43.550 --> 00:33:44.350
Tommy Alexander: Written comment.

950
00:33:44.350 --> 00:33:44.830
INTÉRPRETE – ESPAÑOL (Ezequiel): Via.

951
00:33:44.830 --> 00:33:45.420
Tommy Alexander: Email.

952
00:33:45.420 --> 00:33:46.539
INTÉRPRETE – ESPAÑOL (Ezequiel): Or physical mail.

953
00:33:47.500 --> 00:33:51.170
Tommy Alexander: Either way, you'll need to make your comments during the 30 day scoping period.

954
00:33:51.310 --> 00:33:51.890
INTÉRPRETE – ESPAÑOL (Ezequiel): Which.

955
00:33:51.890 --> 00:33:53.889
Tommy Alexander: As Dave mentioned, began on July.

956
00:33:53.890 --> 00:33:55.900
INTÉRPRETE – ESPAÑOL (Ezequiel): 29, and we'll end on.

957
00:33:55.900 --> 00:33:56.240
Tommy Alexander: Yes, the.

958
00:33:56.240 --> 00:33:58.110
INTÉRPRETE – ESPAÑOL (Ezequiel): 30. At 5 o'clock Pm.

959
00:33:59.610 --> 00:34:05.829
Tommy Alexander: We anticipate releasing a draft eir for public review and comment. In April 2025,

960
00:34:07.310 --> 00:34:09.150
Tommy Alexander: you can see more details about the project.

961
00:34:09.150 --> 00:34:10.769
INTÉRPRETE – ESPAÑOL (Ezequiel): At the Cpc. Project.

962
00:34:10.770 --> 00:34:11.370
Tommy Alexander: Web, Page.

963
00:34:11.500 --> 00:34:12.040
INTÉRPRETE – ESPAÑOL (Ezequiel): Bye.

964
00:34:12.040 --> 00:34:12.840
Tommy Alexander: Entering the URL.

965
00:34:12.840 --> 00:34:13.960
INTÉRPRETE – ESPAÑOL (Ezequiel): At the bottom of this.

966
00:34:13.969 --> 00:34:15.499
Tommy Alexander: Slide into your browser.

967
00:34:16.149 --> 00:34:17.169
Tommy Alexander: We'll share this link.

968
00:34:17.170 --> 00:34:18.700
INTÉRPRETE – ESPAÑOL (Ezequiel): Again. At the end of the meeting.

969
00:34:19.949 --> 00:34:20.809
Tommy Alexander: Next slide.

970
00:34:25.179 --> 00:34:29.989
Tommy Alexander: So if you're submitting written comments via Physical Mail, you can address your comment letter.

971
00:34:29.989 --> 00:34:30.679
INTÉRPRETE – ESPAÑOL (Ezequiel): To me.

972
00:34:30.679 --> 00:34:31.369
Tommy Alexander: Tommy, Alexander.

973
00:34:31.370 --> 00:34:33.119
INTÉRPRETE – ESPAÑOL (Ezequiel): Under at the address listed.

974
00:34:33.120 --> 00:34:33.440
Tommy Alexander: Here.

975
00:34:33.650 --> 00:34:34.210
INTÉRPRETE – ESPAÑOL (Ezequiel): Karen.

976
00:34:34.219 --> 00:34:35.209
Tommy Alexander: Esa.

977
00:34:36.419 --> 00:34:37.979
Tommy Alexander: if you're submitting written comments.

978
00:34:37.980 --> 00:34:38.440
INTÉRPRETE – ESPAÑOL (Ezequiel): Sphere.

979
00:34:38.449 --> 00:34:40.229
Tommy Alexander: Email, you can simply email them.

980
00:34:40.514 --> 00:34:42.219
INTÉRPRETE – ESPAÑOL (Ezequiel): To the project address listed here.

981
00:34:43.210 --> 00:34:44.399
Tommy Alexander: Power of the South Bay.

982
00:34:44.409 --> 00:34:45.739
INTÉRPRETE – ESPAÑOL (Ezequiel): ESAS s.

983

00:34:45.739 --> 00:34:46.609
Tommy Alexander: So c.

984
00:34:46.610 --> 00:34:47.300
INTÉRPRETE – ESPAÑOL (Ezequiel): Dot com.

985
00:34:48.280 --> 00:34:49.020
INTÉRPRETE – ESPAÑOL (Ezequiel): and then is there.

986
00:34:49.020 --> 00:34:51.130
Tommy Alexander: Reminder the deadline for scoping.

987
00:34:51.130 --> 00:34:52.019
INTÉRPRETE – ESPAÑOL (Ezequiel): Comments is 5 o'clock.

988
00:34:52.020 --> 00:34:52.710
Tommy Alexander: 5 Pm.

989
00:34:52.710 --> 00:34:56.979
INTÉRPRETE – ESPAÑOL (Ezequiel): On August 30.th So a little too little over 2 weeks from today.

990
00:34:59.060 --> 00:34:59.810
Tommy Alexander: Next slide.

991
00:35:02.490 --> 00:35:05.749
Tommy Alexander: Thanks everyone for your patience. We're we're now gonna move into the.

992
00:35:05.750 --> 00:35:07.329
INTÉRPRETE – ESPAÑOL (Ezequiel): Public comment. Portion of the.

993
00:35:07.330 --> 00:35:08.220
Tommy Alexander: Evening.

994
00:35:08.270 --> 00:35:10.319
INTÉRPRETE – ESPAÑOL (Ezequiel): And go to the next slide. Vince.

995
00:35:11.610 --> 00:35:15.370
Tommy Alexander: So first, st a few discussion. Guidelines, please, please follow these guidelines when.

996
00:35:15.370 --> 00:35:16.579
INTÉRPRETE – ESPAÑOL (Ezequiel): Checking your comments.

997
00:35:17.090 --> 00:35:18.590
Tommy Alexander: 1st be concise.

998
00:35:18.790 --> 00:35:22.760
Tommy Alexander: each person will have 2 min to speak, and we want to make sure everyone has.

999
00:35:22.760 --> 00:35:23.379
INTÉRPRETE – ESPAÑOL (Ezequiel): The chance to.

1000
00:35:23.380 --> 00:35:24.190
Tommy Alexander: Participate.

1001
00:35:24.420 --> 00:35:24.930
INTÉRPRETE – ESPAÑOL (Ezequiel): So please.

1002
00:35:24.930 --> 00:35:27.470
Tommy Alexander: Keep your comments under 2 min, but also.

1003
00:35:27.470 --> 00:35:27.900
INTÉRPRETE – ESPAÑOL (Ezequiel): Keeping.

1004
00:35:27.900 --> 00:35:29.670
Tommy Alexander: That Zeke is.

1005
00:35:29.670 --> 00:35:31.500
INTÉRPRETE – ESPAÑOL (Ezequiel): Translating comments in real.

1006
00:35:31.500 --> 00:35:33.529
Tommy Alexander: Time. So please try to.

1007
00:35:33.530 --> 00:35:34.650
INTÉRPRETE – ESPAÑOL (Ezequiel): Speak slowly.

1008
00:35:36.060 --> 00:35:36.630
INTÉRPRETE – ESPAÑOL (Ezequiel): next.

1009

00:35:36.630 --> 00:35:37.899
Tommy Alexander: Stay on topic.

1010
00:35:38.500 --> 00:35:38.840
INTÉRPRETE – ESPAÑOL (Ezequiel): And.

1011
00:35:38.840 --> 00:35:39.190
Tommy Alexander: The purpose.

1012
00:35:39.190 --> 00:35:39.720
INTÉRPRETE – ESPAÑOL (Ezequiel): Of this meeting.

1013
00:35:39.720 --> 00:35:41.469
Tommy Alexander: Is to receive input on the.

1014
00:35:41.470 --> 00:35:42.639
INTÉRPRETE – ESPAÑOL (Ezequiel): Scope and content.

1015
00:35:42.640 --> 00:35:44.929
Tommy Alexander: Of the Eir for the power of the South Bay.

1016
00:35:45.370 --> 00:35:45.810
INTÉRPRETE – ESPAÑOL (Ezequiel): Project!

1017
00:35:47.930 --> 00:35:48.530
Tommy Alexander: Respect, other.

1018
00:35:48.530 --> 00:35:49.530
INTÉRPRETE – ESPAÑOL (Ezequiel): Opinions.

1019
00:35:49.930 --> 00:35:51.600
Tommy Alexander: Purpose of this meeting is simply to.

1020
00:35:51.600 --> 00:35:52.769
INTÉRPRETE – ESPAÑOL (Ezequiel): Collect input and.

1021
00:35:52.770 --> 00:35:53.480
Tommy Alexander: All ideas.

1022
00:35:53.480 --> 00:35:54.340
INTÉRPRETE – ESPAÑOL (Ezequiel): Are welcome.

1023
00:35:55.970 --> 00:35:56.500
Tommy Alexander: Coming to the.

1024
00:35:56.500 --> 00:35:57.310
INTÉRPRETE – ESPAÑOL (Ezequiel): Recorded.

1025
00:35:57.310 --> 00:36:00.429
Tommy Alexander: And included in the administrative record. So if you prefer.

1026
00:36:00.430 --> 00:36:01.000
INTÉRPRETE – ESPAÑOL (Ezequiel): To have your.

1027
00:36:01.000 --> 00:36:01.690
Tommy Alexander: Was recorded.

1028
00:36:01.790 --> 00:36:02.490
INTÉRPRETE – ESPAÑOL (Ezequiel): Please feel.

1029
00:36:02.490 --> 00:36:02.969
Tommy Alexander: For you to sit.

1030
00:36:02.970 --> 00:36:04.799
INTÉRPRETE – ESPAÑOL (Ezequiel): Submit a written comment instead.

1031
00:36:06.150 --> 00:36:09.759
Tommy Alexander: Finally written comments are encouraged, especially if you'd like to.

1032
00:36:09.760 --> 00:36:12.099
INTÉRPRETE – ESPAÑOL (Ezequiel): Say more than you can share in 2 min.

1033
00:36:12.280 --> 00:36:14.280
INTÉRPRETE – ESPAÑOL (Ezequiel): However, you're welcome to provide both.

1034
00:36:14.280 --> 00:36:14.860
Tommy Alexander: Purple.

1035
00:36:14.860 --> 00:36:16.169
INTÉRPRETE – ESPAÑOL (Ezequiel): And Britain comments.

1036
00:36:18.590 --> 00:36:19.479
Tommy Alexander: Next slide

1037
00:36:23.110 --> 00:36:25.359
Tommy Alexander: if you'd like to make a verbal comment, and you're.

1038
00:36:25.360 --> 00:36:26.170
INTÉRPRETE – ESPAÑOL (Ezequiel): Participating.

1039
00:36:26.170 --> 00:36:27.729
Tommy Alexander: Yeah. The Zoom Platform.

1040
00:36:27.920 --> 00:36:29.240
Tommy Alexander: Please click the raise hand.

1041
00:36:29.240 --> 00:36:29.920
INTÉRPRETE – ESPAÑOL (Ezequiel): And Icon.

1042
00:36:29.920 --> 00:36:30.389
Tommy Alexander: To Eurasian.

1043
00:36:30.390 --> 00:36:31.150
INTÉRPRETE – ESPAÑOL (Ezequiel): Hand.

1044
00:36:32.880 --> 00:36:33.760
Tommy Alexander: Calling in Via tele.

1045
00:36:33.760 --> 00:36:34.420
INTÉRPRETE – ESPAÑOL (Ezequiel): Phone.

1046
00:36:34.420 --> 00:36:34.930
Tommy Alexander: Please, dial.

1047
00:36:34.930 --> 00:36:35.790
INTÉRPRETE – ESPAÑOL (Ezequiel): Star, 9.

1048
00:36:35.790 --> 00:36:37.550
Tommy Alexander: To request to raise your hand.

1049

00:36:38.480 --> 00:36:39.369
Tommy Alexander: We'll call on you.

1050
00:36:39.370 --> 00:36:41.259
INTÉRPRETE – ESPAÑOL (Ezequiel): In the order that hands are raised.

1051
00:36:43.180 --> 00:36:44.580
Tommy Alexander: When it's your turn to speak.

1052
00:36:44.580 --> 00:36:45.210
INTÉRPRETE – ESPAÑOL (Ezequiel): Will give you the.

1053
00:36:45.210 --> 00:36:46.960
Tommy Alexander: Ability to unmute yourself.

1054
00:36:47.560 --> 00:36:48.929
Tommy Alexander: Ben, please state your.

1055
00:36:48.930 --> 00:36:49.420
INTÉRPRETE – ESPAÑOL (Ezequiel): Name, and.

1056
00:36:49.420 --> 00:36:52.110
Tommy Alexander: Affiliation, and you'll have 2 min to make your.

1057
00:36:52.535 --> 00:36:52.910
INTÉRPRETE – ESPAÑOL (Ezequiel): It's.

1058
00:36:54.130 --> 00:36:54.780
Tommy Alexander: And also submit.

1059
00:36:54.780 --> 00:36:56.070
INTÉRPRETE – ESPAÑOL (Ezequiel): Your comments, and the.

1060
00:36:56.070 --> 00:36:59.250
Tommy Alexander: QA. Box by clicking the QA. Button at.

1061
00:36:59.250 --> 00:37:00.350
INTÉRPRETE – ESPAÑOL (Ezequiel): Bottom of the screen.

1062
00:37:02.330 --> 00:37:04.619
Tommy Alexander: Please feel free to go ahead and raise your hands.

1063
00:37:33.720 --> 00:37:37.669
Tommy Alexander: so I'm not seeing any hands yet, and looks like we have not yet received.

1064
00:37:37.670 --> 00:37:38.320
INTÉRPRETE – ESPAÑOL (Ezequiel): Any.

1065
00:37:38.790 --> 00:37:40.530
Tommy Alexander: Any comments in the Q. And a box.

1066
00:37:40.530 --> 00:37:41.110
INTÉRPRETE – ESPAÑOL (Ezequiel): X.

1067
00:37:41.660 --> 00:37:43.690
Tommy Alexander: So we're just going to hang out for an.

1068
00:37:43.690 --> 00:37:44.790
INTÉRPRETE – ESPAÑOL (Ezequiel): Other several minutes.

1069
00:37:44.790 --> 00:37:45.240
Tommy Alexander: And.

1070
00:37:45.390 --> 00:37:46.339
INTÉRPRETE – ESPAÑOL (Ezequiel): See if anyone.

1071
00:37:46.340 --> 00:37:47.520
Tommy Alexander: Has any comments.

1072
00:42:34.310 --> 00:42:42.599
Tommy Alexander: Alright. It's been about 5 min, and we have not received any comments in the chat, and we haven't seen any raised hands, so I think we can call it

1073
00:42:43.070 --> 00:42:44.760
Tommy Alexander: and go next slide. Vince.

1074
00:42:47.900 --> 00:42:49.729
Tommy Alexander: So this is the last slide.

1075
00:42:49.760 --> 00:42:51.910

Tommy Alexander: Just want to say Thank you all again for.

1076
00:42:51.910 --> 00:42:54.160
INTÉRPRETE – ESPAÑOL (Ezequiel): Taking the time to join the meeting today.

1077
00:42:54.550 --> 00:42:55.390
Tommy Alexander: On the slide we have.

1078
00:42:55.390 --> 00:42:56.090
INTÉRPRETE – ESPAÑOL (Ezequiel): I've listed, but.

1079
00:42:56.440 --> 00:42:56.790
Tommy Alexander: Again!

1080
00:42:56.790 --> 00:42:57.440
INTÉRPRETE – ESPAÑOL (Ezequiel): And the mailing.

1081
00:42:57.440 --> 00:42:57.850
Tommy Alexander: Dress.

1082
00:42:57.980 --> 00:42:59.449
INTÉRPRETE – ESPAÑOL (Ezequiel): And the email to which.

1083
00:42:59.450 --> 00:43:00.339
Tommy Alexander: Can send any written.

1084
00:43:00.340 --> 00:43:02.719
INTÉRPRETE – ESPAÑOL (Ezequiel): And comments, and as a reminder.

1085
00:43:02.920 --> 00:43:03.970
Tommy Alexander: Scope and comments will be.

1086
00:43:03.970 --> 00:43:05.160
INTÉRPRETE – ESPAÑOL (Ezequiel): Accepted for.

1087
00:43:05.160 --> 00:43:05.660
Tommy Alexander: About another.

1088
00:43:05.660 --> 00:43:06.590
INTÉRPRETE – ESPAÑOL (Ezequiel): 2 weeks.

1089
00:43:06.590 --> 00:43:07.340
Tommy Alexander: Through August.

1090
00:43:07.340 --> 00:43:10.189
INTÉRPRETE – ESPAÑOL (Ezequiel): 30, 2024, at 5 o'clock Pm.

1091
00:43:10.890 --> 00:43:12.780
Tommy Alexander: Also go to the project. Webpage.

1092
00:43:12.780 --> 00:43:14.459
INTÉRPRETE – ESPAÑOL (Ezequiel): Linked at the bottom of.

1093
00:43:14.460 --> 00:43:15.910
Tommy Alexander: The slide for additional.

1094
00:43:15.910 --> 00:43:16.930
INTÉRPRETE – ESPAÑOL (Ezequiel): So information.

1095
00:43:18.280 --> 00:43:19.250
Tommy Alexander: With that we'll close it.

1096
00:43:19.280 --> 00:43:19.999
INTÉRPRETE – ESPAÑOL (Ezequiel): Thank you all again.

1097
00:43:20.000 --> 00:43:20.580
Tommy Alexander: And and.

1098
00:43:20.840 --> 00:43:21.360
INTÉRPRETE – ESPAÑOL (Ezequiel): Good evening!

Appendix F
Written Scoping Comments

California Department of Transportation

DISTRICT 4
OFFICE OF REGIONAL AND COMMUNITY PLANNING
P.O. BOX 23660, MS–10D | OAKLAND, CA 94623-0660
www.dot.ca.gov

August 29, 2024

SCH #: 2024071095
GTS #: 04-MULTIPLE-2024-00404
GTS ID: 33486
Co/Rt/Pm: VAR/VAR/VAR

Tommy Alexander, Public Utilities Regulatory Analyst
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: LSPGC Power the South Bay Project – Notice of Preparation (NOP) for a Draft Environmental Impact Report (DEIR)

Dear Tommy Alexander:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the LSPGC Power the South Bay Project. The Local Development Review (LDR) Program reviews land use projects and plans to ensure consistency with our mission and state planning priorities. The following comments are based on our review of the July 2024 NOP.

Please note this correspondence does not indicate an official position by Caltrans on this project and is for informational purposes only.

Project Understanding
The proposed project would improve the reliability of a California Independent System Operator (CAISO)-controlled grid located in the cities of Fremont, Milpitas, San José, and Santa Clara. The proposed project would construct two new high-voltage direct current terminals and associated new transmission lines which would connect the existing Pacific Gas & Electric Company Newark substation and the existing Silicon Valley Power Northern Receiving Station substation. The project runs parallel to Interstate (I)-880 and crosses State Route (SR)-237.

Construction-Related Impacts
Potential impacts to the State Right-of-Way (ROW) from project-related temporary access points should be analyzed. Mitigation for significant impacts due to construction and noise should be identified. Project work that requires movement of oversized or excessive load vehicles on State roadways requires a transportation

permit that is issued by Caltrans. To apply, please visit Caltrans Transportation Permits (*link*).

Prior to construction, coordination may be required with Caltrans to develop a Transportation Management Plan (TMP) to reduce construction traffic impacts to the State Transportation Network (STN).

Encroachment Permit
Please be advised that any permanent work or temporary traffic control that encroaches onto Caltrans' ROW requires a Caltrans-issued encroachment permit. As part of the encroachment permit submittal process, you may be asked by the Office of Encroachment Permits to submit a completed encroachment permit application package, digital set of plans clearly delineating Caltrans' ROW, digital copy of signed, dated and stamped (include stamp expiration date) traffic control plans, this comment letter, your response to the comment letter, and where applicable, the following items: new or amended Maintenance Agreement (MA), approved Design Standard Decision Document (DSDD), approved encroachment exception request, and/or airspace lease agreement. The project will likely require an encroachment policy exception for the portion of the facility crossing Caltrans ROW.

The checklist TR-0416 (*link*) is used to determine the appropriate Caltrans review process for encroachment projects. The Office of Encroachment Permit requires 100% complete design plans and supporting documents to review and circulate the permit application package. To obtain more information and download the permit application, please visit Caltrans Encroachment Permits (*link*). Your application package may be emailed to D4Permits@dot.ca.gov.

Thank you again for including Caltrans in the environmental review process. Should you have any questions regarding this letter, please contact Melissa Hernandez, Associate Transportation Planner, via LDR-D4@dot.ca.gov. For future early coordination opportunities or project referrals, please contact LDR-D4@dot.ca.gov.

Sincerely,

Marley Mathews

MARLEY MATHEWS
Acting Branch Chief, Local Development Review
Office of Regional and Community Planning

c: State Clearinghouse

Valley Water File 34728 - NOP of EIR for Power the South Bay

Matthew Sasaki <MSasaki@valleywater.org>

Thu 8/29/2024 11:16 AM

To:PowerTheSouthBay <PowerTheSouthBay@esassoc.com>

Hello,

The Santa Clara Valley Water District (Valley Water) has reviewed the Notice of Preparation of an Environmental Impact Report (EIR) for the Power the South Bay project, received on July 29, 2024.

Based on our review, we have the following comments:

1. Valley Water has facilities and owns fee title property and easements along the proposed route of the project. In accordance with Valley Water's Water Resources Protection Ordinance, a Valley Water encroachment permit is required for any work that affects Valley Water facilities or is within Valley Water's fee title property and easements. LS Power Grid California has been coordinating with Valley Water to secure encroachment permits for this work. Valley Water's permitting is a discretionary act under CEQA that requires Valley Water to be considered a responsible agency.
2. The proposed route crosses the Coyote Creek Trail and the Guadalupe River Trail which are located on Valley Water property. Impacts on these two trails should be analyzed in the Recreation section of the EIR. The sections of the Coyote Creek Trail and the Guadalupe River Trail that are proposed to be crossed by this project are managed under Joint Use Agreements with the City of Milpitas and the City of San Jose, respectively. The crossings of the trails will also require Valley Water's encroachment permit to cross Valley Water property.
3. The subject project proposes to cross the Guadalupe River at Highway 237, which will require a Valley Water encroachment permit. Additionally, Valley Water's Lower Guadalupe River Project (LGRP), which will restore the river's flood protection level to its design capacity of a 100-year flood and provide natural flood protection primarily by raising levees between Gold Street and Highway 880, is currently in design with construction anticipated to begin in 2028. . Consideration of the LGRP should be made in the planning and design of the LS Power project. A discussion of how the LS Power project will interact with the LGRP, including ensuring levee raising and operations and maintenance activities are not impacted, need to be included in the Draft EIR.
4. The project alignment crosses special flood hazard areas and impacts related to proposed above-ground infrastructure should be discussed in the Draft EIR.
5. The Draft EIR should evaluate potential impacts from the project to the Salt-marsh Harvest Mouse, and Ridgeways' rail, both of which are federally- and state-listed endangered species, the Black Rail, a state-listed threatened species, and any other special status species which may be found in the project area.
6. The Draft EIR should evaluate potential impacts to tidal marsh and wetlands, as well as riparian habitat.

Please provide a copy of the Draft EIR when it is available for review. This project has been assigned to Valley Water File 34728. Please reference this number on future correspondence regarding this project.

Thank you,

MATT SASAKI
Pronouns: he/him
Acting Associate Engineer - Civil
Community Projects Review Unit
msasaki@valleywater.org
Tel. (408) 630-3776

Santa Clara Valley Water District is now known as:



Clean Water • Healthy Environment • Flood Protection
5750 Almaden Expressway, San Jose CA 95118
www.valleywater.org

Docusign Envelope ID: CCC805C9-561C-499D-8253-1BA6C9C6004C

State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Bay Delta Region
2825 Cordelia Road, Suite 100
Fairfield, CA 94534
(707) 428-2002
www.wildlife.ca.gov

GAVIN NEWSOM, Governor
CHARLTON H. BONHAM, Director

August 30, 2024

Tommy Alexander, Public Utilities Regulatory Analyst
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Tommy.Alexander@cpuc.ca.gov

Subject: LSPGC Power the South Bay Project, Notice of Preparation of a Draft Environmental Impact Report, SCH No. 2024071095; Santa Clara County

Dear Tommy Alexander:

The California Department of Fish and Wildlife (CDFW) received a Notice of Preparation (NOP) of a draft Environmental Impact Report (EIR) from the California Public Utilities Commission (Lead Agency) for the LSPGC Power the South Bay Project (Project) pursuant the California Environmental Quality Act (CEQA) and CEQA Guidelines.[1]

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, we appreciate the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under the Fish and Game Code.

CDFW ROLE

CDFW is California's **Trustee Agency** for fish and wildlife resources and holds those resources in trust by statute for all the people of the State. (Fish & G. Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a).) CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species. (*Id.*, § 1802.) Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources.

CDFW is also submitting comments as a **Responsible Agency** under CEQA. (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority over the Project pursuant to the Fish and Game Code. For example, the Project may be subject to CDFW's Lake and Streambed

[1] CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

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Alteration (LSA) regulatory authority, if the Project impacts the bed, channel or bank of any river, stream or lake within the State (Fish & G. Code, § 1600 et seq.). Likewise, to the extent the Project may result in "take" as defined by State law of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 et seq.), the Project proponent may seek related take authorization as provided by the Fish and Game Code.

REGULATORY REQUIREMENTS

California Endangered Species Act

A CESA Incidental Take Permit (ITP) must be obtained from CDFW if the Project has the potential to result in "take" of plants or animals listed under CESA, either during construction or over the life of the Project. Under CESA, "take" means "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill." (Fish & G. Code, § 86). CDFW's issuance of an ITP is subject to CEQA and to facilitate permit issuance, any Project modifications and mitigation measures must be incorporated into the CEQA document analysis, discussion, and mitigation monitoring and reporting program. If the Project will impact CESA listed species, early consultation is encouraged, as significant modification to the Project and mitigation measures may be required in order to obtain a CESA permit.

CEQA requires a mandatory finding of significance if a project is likely to substantially impact threatened or endangered species. (Pub. Resources Code, §§ 21001, subd. (c) & 21083; CEQA Guidelines, §§ 15380, 15064 & 15065). In addition, pursuant to CEQA, the Lead Agency cannot approve a project unless all impacts to the environment are avoided or mitigated to less-than-significant levels, or the Lead Agency makes and supports Findings of Overriding Consideration (FOC) for impacts that remain significant despite the implementation of all feasible mitigation. FOC under CEQA, however, does not eliminate the Project proponent's obligation to comply with the Fish and Game Code.

Lake and Streambed Alteration

CDFW requires an LSA Notification, pursuant to Fish and Game Code section 1600 et seq., for Project activities affecting rivers, lakes or streams and associated riparian habitat. Notification is required for any activity that may substantially divert or obstruct the natural flow; change or use material from the bed, channel, or bank (including associated riparian or wetland resources); or deposit or dispose of material where it may pass into a river, lake, or stream. Work within ephemeral streams, drainage ditches, washes, watercourses with a subsurface flow, and floodplains is generally subject to notification requirements. In addition, infrastructure installed beneath such aquatic features, such as through hydraulic directional drilling, is also generally subject

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to notification requirements**.** Therefore, any impact to the mainstems, tributaries, or floodplains or associated riparian habitat caused by the proposed Project will likely require an LSA Notification.

Migratory Birds and Raptors

CDFW has authority over actions that may result in the disturbance or destruction of active bird nest sites or the unauthorized take of birds. Fish and Game Code sections protecting birds, their eggs, and nests include section 3503 (regarding unlawful take, possession, or needless destruction of the nests or eggs of any bird), section 3503.5 (regarding the take, possession, or destruction of any birds-of-prey or their nests or eggs), and section 3513 (regarding unlawful take of any migratory nongame bird). Migratory birds are also protected under the federal Migratory Bird Treaty Act (MBTA).

Fully Protected Species

Several Fully Protected Species (Fish & G. Code § 3511 and 4700) have the potential to occur within or adjacent to the Project area, including, but not limited to: salt-marsh harvest mouse (*Reithrodontomys raviventris*), white-tailed kite (*Elanus leucurus*), golden eagle (*Aquila chrysaetos*), California least tern (*Sternula antillarum browni*), and California Ridgway's rail (*Rallus obsoletus obsoletus*).

Project activities described in the draft EIR should be designed to completely avoid any fully protected species that have the potential to be present within or adjacent to the Project area. Fully protected species may not be taken or possessed at any time and no licenses or permits may be issued for their take except as follows:

- Take is for necessary scientific research;
- Efforts to recover a fully protected, endangered, or threatened species, live capture and relocation of a bird species for the protection of livestock; or
- They are a covered species whose conservation and management is provided for in a Natural Community Conservation Plan (Fish & G. Code, §§ 3511, 4700, 5050, & 5515).

Specified types of infrastructure projects may be eligible for an ITP for unavoidable impacts to fully protected species if certain conditions are met (Fish & G. Code §2081.15).

CDFW also recommends the draft EIR analyze potential adverse impacts to fully protected species due to habitat modification, loss of foraging habitat, and/or interruption of migratory and breeding behaviors. CDFW recommends that the Lead Agency include in the analysis how appropriate avoidance, minimization and mitigation measures will

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reduce indirect impacts to fully protected species. Project proponents should consult with CDFW early in the Project planning process.

PROJECT DESCRIPTION SUMMARY

Proponent: California Public Utilities Commission

Objective: The Project would include the construction of two new high-voltage direct current (HVDC) terminals and associated new transmission lines which would connect the existing Pacific Gas and Electric Company (PG&E) Newark 230 kilovolt (kV) substation and the existing Silicon Valley Power (SVP) Northern Receiving Station (NRS) 230 kV substation. The two new HVDC terminals would include a new Albrae HVDC converter station terminal (Albrae terminal) interconnected to the existing PG&E Newark substation, and a new Baylands HVDC converter station terminal (Baylands terminal) interconnected to the existing SVP NRS substation. The new transmission lines would extend approximately 12.5 miles and would be a combination of both overhead and underground lines. The Project would include all new facilities as well as modifications to the existing PG&E Newark and SVP NRS substations to accommodate interconnection specifically to the new HVDC terminals via the new transmission lines.

Location: Cities of Fremont, Milpitas, San Jose, Santa Clara, Santa Clara County, and GPS coordinates 37°25'44.7"N 121°57'08.6"W.

Timeframe: Not noted.

ENVIRONMENTAL SETTING

Sufficient information regarding the environmental setting is necessary to understand any potentially significant impacts on the environment of the proposed Project (CEQA Guidelines, §§15063 & 15360). CDFW recommends that a full list or table is included in the updated Biological Resources Section of the draft EIR that notes species common name, scientific name, state and federal listing status (as applicable), habitat type preference and determination on presence, for all special-status species with the potential to occur within the Project area.

CDFW recommends the draft EIR provide baseline habitat assessments for special-status plant, fish and wildlife species located and potentially located within the Project area and surrounding lands, including all rare, threatened, and endangered species (CEQA Guidelines, §15380). The draft EIR should describe aquatic habitats, such as wetlands or waters of the U.S. or State, and any sensitive natural communities or riparian habitat occurring on or adjacent to the Project area (for sensitive natural communities see:
https://wildlife.ca.gov/Data/VegCAMP/NaturalCommunities#sensitive%20natural%20co

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mmunities), and any stream or wetland set back distances the City or Santa Clara County may require.

CDFW recommends that the California Natural Diversity Database (CNDDB), as well as previous studies performed in the area, be consulted to assess the potential presence of sensitive species and habitats. A nine United States Geologic Survey 7.5-minute quadrangle search is recommended to determine what may occur in the region, larger if the Project area extends past one quad (see *Data Use Guidelines* on the Department webpage, www.wildlife.ca.gov/Data/CNDDB/Maps-and-Data). Please review the webpage for information on how to access the database to obtain current information on any previously reported sensitive species and habitat, including Significant Natural Areas identified under Chapter 12 of the Fish and Game Code, in the vicinity of the Project. CDFW recommends that CNDDB Field Survey Forms be completed and submitted to CNDDB to document survey results. Online forms can be obtained and submitted at: https://www.wildlife.ca.gov/Data/CNDDB/Submitting-Data.

Please note that CDFW's CNDDB is not exhaustive in terms of the data it houses, nor is it an absence database. CDFW recommends that it be used as a starting point in gathering information about the *potential presence* of species within the general area of the Project site. Other sources for identification of species and habitats near or adjacent to the Project area should include, but may not be limited to, State and federal resource agency lists, California Wildlife Habitat Relationship System, California Native Plant Society Inventory, agency contacts, environmental documents for other projects in the vicinity, academics, and professional or scientific organizations. Only with sufficient data and information can the Lead Agency adequately assess which special-status species are likely to occur in the Project vicinity.

According to Biogeographic Information and Observation System (BIOS) records, the Project site contains positive detections of several special-status species and has the potential to support numerous special-status species and their associated habitat. Species with potential to occur on-site include but are not limited to those listed in Attachment 1.

IMPACT ANALYSIS AND MITIGATION MEASURES

The draft EIR should discuss all direct and indirect impacts (temporary and permanent) that may occur with implementation of the Project (CEQA Guidelines, § 15126.2). This includes evaluating and describing impacts such as:

- Land use changes that would reduce open space or agricultural land uses and increase residential or other land use involving increased development;

- Encroachments into riparian habitats, wetlands or other sensitive areas;

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- Potential for impacts to special-status species;
- Loss or modification of breeding, nesting, dispersal and foraging habitat, including vegetation removal, alternation of soils and hydrology, and removal of habitat structural features (e.g., snags, roosts, vegetation overhanging banks);
- Permanent and temporary habitat disturbances associated with ground disturbance, noise, lighting, reflection, air pollution, traffic or human presence; and
- Obstruction of movement corridors, fish passage, or access to water sources and other core habitat features.

The draft EIR should also identify existing and reasonably foreseeable future projects in the Project vicinity, disclose any cumulative impacts associated with these projects, determine the significance of each cumulative impact, and assess the significance of the Project's contribution to each impact (CEQA Guidelines, §15355). Although a project's impacts may be insignificant individually, its contributions to a cumulative impact may be considerable; a contribution to a significant cumulative impact – e.g., reduction of available habitat for a special-status species – should be considered cumulatively considerable without mitigation to minimize or avoid the impact.

COMMENTS AND RECOMMENDATIONS

CDFW offers the comments and recommendations below to assist the Lead Agency in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct and indirect impacts on fish and wildlife (biological) resources.

I. Environmental Setting and Related Impact Shortcoming

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

COMMENT 1: Nesting Birds

The Project has the potential to disturb special-status species and nesting habitat for birds and raptors. Impacts could occur through direct damage or mortality to birds and nests as well as potential electrocution. Take of nesting birds, birds in the orders Falconiformes or Strigiformes, and migratory nongame bird as designated in the MBTA is a violation of Fish and Game Code (§ 3503, 3503.5, 3513).

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Electric distribution lines are typically placed within the range of average bird flight level and are difficult for birds to see. Many birds, particularly raptors and waterbirds, seek out tall perches like distribution poles to hunt for food or perch and roost. Frequent use of poles increases the exposure to energized parts when flying on and off a pole. Nesting material may also cause an electrical connection, or the nest material could catch on fire, killing the bird and damaging the power structure.

Linear features such as generator-tie lines and interior and perimeter fences present collision hazard to birds, and electric lines represent a potential electrocution hazard. The draft EIR should include measures that require all powerlines to be placed underground, if feasible.

Recommended Mitigation Measure 1: Nesting Bird Surveys

If Project-related work is scheduled during the nesting season (typically February 15 to August 30 for small bird species such as passerines; January 15 to September 15 for owls; and February 15 to September 15 for other raptors), a qualified biologist experienced with the applicable species and habitat shall conduct two surveys for active nests of such birds within 14 days prior to the beginning of Project construction, with a final survey conducted within 48 hours prior to construction. Appropriate minimum survey radii surrounding the work area are typically the following: i) 250 feet for passerines; ii) 500 feet for small raptors such as accipiters; and iii) 1,000 feet for larger raptors such as buteos. Surveys shall be conducted at the appropriate times of day and during appropriate nesting times.

Recommended Mitigation Measure 2: Active Nest Buffers

If the qualified biologist identifies active nests within the Project area or in nearby surrounding areas, an appropriate buffer between the nest and active construction should be established. The buffer should be clearly marked and maintained until the young have fledged and are foraging independently. Prior to construction, the qualified biologist should conduct baseline monitoring of the nest to characterize “normal” bird behavior and establish a buffer distance which allows the birds to exhibit normal behavior. The qualified biologist should monitor the nesting birds daily during construction activities and increase the buffer if the birds show signs of unusual or distressed behavior (e.g., defensive flights and vocalizations, standing up from a brooding position, and/or flying away from the nest). If buffer establishment is not possible, the qualified biologist or construction foreman should have the authority to cease all construction work in the area until the young have fledged and the nest is no longer active.

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Recommended Mitigation Measure 3: Avian Electrocution Assessment

The Lead Agency shall investigate methods to prevent bird nesting and perching on transmission line infrastructure leading to potential electrocution through design changes or installation of deterrents to the greatest extent feasible. All aboveground lines should be fitted with bird flight diverters or visibility enhancement devices. When lines cannot be placed underground, appropriate avian protection designs should be employed. As a minimum requirement, the electrical line system should conform with the most current edition of the Avian Power Line Interaction Committee guidelines to prevent electrocutions. Resources may be found on the Avian Power Line Interaction Committee website at https://www.aplic.org/mission. CDFW staff are available to assist in determination of measures to protect avian species.

COMMENT 2: Golden Eagle

The NOP does not discuss potential impacts to the golden eagle (*Aquila chrysaetos*, State Fully Protected and Federally Protected under the Bald and Golden Eagle Protection Act). Please be advised that a golden eagle pair has successfully nested within the past several years approximately adjacent to the Project site (Menzel and Higgins 2020, Menzel and Higgins 2022). The Project area and surrounding grasslands are within a typical golden eagle pair's home range (Katzner et al. 2012a, Katzner et al. 2012b) and could potentially support eagle nesting and foraging habitat. See also Comment 1 on nesting habitat and electrocution risks.

Loss of nesting and foraging habitat resulting in take or reduced nesting success (loss or reduced health or vigor of eggs or young).

Take of nesting birds, birds in the orders Falconiformes or Strigiformes, and migratory nongame bird as designated in the MBTA is a violation of Fish and Game Code (§ 3503, 3503.5, 3513). The golden eagle is a Fully Protected Species under California Fish and Game Code (§ 3511). Project impacts may result in unmitigated foraging habitat loss, impacts to nesting golden eagles, and cumulative impacts resulting in the restriction in the range of this species.

Recommended Mitigation Measure 4: Habitat Assessment and Surveys

The draft EIR should include a thorough habitat assessment of potential golden eagle nesting and foraging habitat within the Project area and surrounding areas. A qualified biologist should conduct a field assessment that includes all areas that could be directly or indirectly impacted by the Project and include data such as vegetation type, vegetation structure, and evidence of type and abundance of prey.

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A qualified biologist should conduct protocol-level surveys in all suitable golden eagle habitat within the Project area and surrounding areas where Project activities could adversely affect eagles during the nesting season (late January to August).

Guidance and resources can be found on our website at https://wildlife.ca.gov/Conservation/Birds/Golden-Eagles and in consultation with the USFWS Migratory Bird Program.

Recommended Mitigation Measure 5: Compensatory Mitigation

If permanent or temporary impacts of the proposed Project to golden eagle nesting or foraging habitat cannot be completely avoided, the draft EIR should include effective compensatory mitigation to offset all eagle habitat loss. A mitigation plan should be prepared in consultation with CDFW and USFWS.

COMMENT 3: Western Burrowing Owl

Burrowing owl is designated by CDFW as a California species of special concern (SSC) due to population decline and breeding range retraction. The species has also experienced a severe population decline in Santa Clara County. Known populations of burrowing owl occur within and adjacent to the Project area, including the grasslands south of the San Jose-Santa Clara Regional Wastewater Facility and other suitable habitat.

The Project includes grassland and herbaceous vegetation that may be potential burrowing owl habitat. Direct mortality could occur through crushing of adults or young within burrows, loss of nesting burrows, loss of nesting habitat, loss of foraging habitat resulting in reduced nesting success (loss or reduced health or vigor of eggs or young), nest abandonment, and reduced frequency or duration of care for young resulting in reduced health or vigor of young.

Recommended Mitigation Measure 6: Habitat Assessment and Surveys

The draft EIR should include a thorough habitat assessment of potential burrowing owl habitat within and adjacent to the Project area. A professional biologist experienced with burrowing owl and their habitat should conduct a field assessment that includes all areas that could be directly or indirectly impacted by the Project and include data such as vegetation type, vegetation structure and presence of burrows. Specific information on habitat assessment, burrowing owl survey methods, buffer distances and mitigation is provided in the CDFW Staff Report on Burrowing Owl Mitigation, dated March 7, 2012, and available at https://wildlife.ca.gov/Conservation/Survey-Protocols#377281284-birds.

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COMMENT 4: Marsh and Shoreline Birds

The draft EIR does not state potential impacts to shoreline and marsh birds from the Project. A number of marsh bird species occur along the shoreline within and adjacent to the Project area, including the Don Edwards San Francisco Bay National Wildlife Refuge. These include, but are not limited to Alameda song sparrow (*Melospiza melodia pusillula*), black skimmer (*Rynchops niger*), California least tern, California black rail, California Ridgway's rail, saltmarsh common yellowthroat (*Geothlypis trichas sinuosa*), and western snowy plover (*Charadrius alexandrinus nivosus*). Any in-water and shoreline work has the potential to cause the take of state listed and fully protected marsh and shoreline bird species.

Recommended Mitigation Measure 7: Surveys

CDFW recommends the Project include a measure for marsh bird surveys following the 2017 Site-Specific Protocol for Monitoring Marsh Birds (https://ecos.fws.gov/ServCat/Reference/Profile/68062). CDFW recommends inclusion of avoidance and minimization measures in the Biological Resources Section of the draft EIR to reduce impacts below a level of significance.

COMMENT 5: Bats

A number of bats have the potential to occur in or adjacent to the project area, including, but not limited to Townsend's big-eared bat and Pallid bat. Townsend’s big-eared bats and pallid bats are protected by CDFW as California SSC.

Construction activities may result in the disturbance of hibernation or maternal roost sites, which may result in the harm, death, displacement of individual bats and/or the disruption of reproductive success of nursery colony roosts. Proposed activities may result in the disturbance and/or loss of hibernation or maternal roost sites, which may result in the harm, death, displacement of individual bats and/or the disruption of reproductive success of nursery colony roosts.

Bats are considered non-game mammals and are protected by state law from take and/or harassment (Fish and Game Code §4150, CCR §251.1). In order to determine the extent to which impacts may occur to bats and determine where habitat loss may occur from the removal of trees, the draft EIR should propose measures to conduct a bat habitat assessment of suitable bat roosting habitat.

Recommended Mitigation Measure 8: Habitat Assessment and Monitoring

The habitat assessment shall include a visual inspection of features within the work area for potential roosting features including trees, crevices, portholes, expansion joints and hollow areas (bats need not be present). include a visual inspection of features

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within 200 feet of the work area for potential roosting features including trees, crevices, portholes, expansion joints and hollow areas (bats need not be present). The draft EIR should also include a section that discusses the results of the suitable habitat assessment and if any bats or signs of bats (feces or staining at entry/exit points) are discovered. The surveys should occur at least two seasons in advance of Project initiation. The draft EIR should include:

- Bat Habitat Monitoring by a qualified biologist of suitable habitat from March 1 to April 1 or August 31 to October 15 prior to construction activities. If the focused survey reveals the presence of roosting bats, then the appropriate exclusionary or avoidance measures will be implemented prior to construction during the period between March 1 to April 15 or August 31 to October 15; and

- Bat Project Avoidance: If active bat roosts are observed during environmental assessments or during construction, at any time, all Project activities should stop until the qualified biologist develops a bat avoidance plan to be implemented at the Project site. The bat avoidance plan should utilize seasonal avoidance, phased construction as well as temporary and permanent bat housing structures developed in coordination with CDFW.

COMMENT 6: State Listed Fish Species

The NOP does not include potential impacts to state listed fish species known to be present in the Project area, including green sturgeon (Acipenser medirostris pop. 1), white sturgeon (*Acipenser transmontanus*), Sacramento hitch (*Lavinia exilicauda exilicauda*), Sacramento splittail (*Pogonichthys macrolepidotus*), steelhead - central California coast distinct population segment (DPS, [*Oncorhynchus mykiss irideus*]) and longfin smelt (*Spirinchus thaleichthys*) along the South Bay shoreline and throughout the Don Edwards San Francisco Bay National Wildlife Refuge. The south bay serves as nursery habitat for a number of these species and project impacts could occur as direct and indirect impacts from construction equipment, pile driving, dredging, stranding from water diversion, and erosion impacts to water quality.

Recommended Mitigation Measure 9: Construction Activities and Work Windows

The draft EIR should include mitigation measures to avoid potential impacts to aquatic species for construction methods such as pile driving and dredging. In-water construction shall only occur during the CDFW approved work window of June 1 through November 30. A vibratory pile driver shall be used to the maximum extent possible. If an impact hammer is to be considered for construction, the Lead Agency shall consult with CDFW regarding a CESA ITP for potential impacts to state listed species such as longfin smelt and Chinook salmon (*Oncorhynchus tshawytscha*).

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COMMENT 7: Western Pond Turtle

Western pond turtle (*Actinemys marmorata*) have the potential to occur in the Project site. Western pond turtle are known to nest in the spring or early summer within 100 meters of a water body, although nest sites as far away as 500 meters have also been reported.

Without appropriate avoidance and minimization measures for western pond turtle, potentially significant impacts associated with Project activities could include nest reduction, inadvertent entrapment, reduced reproductive success, reduction in health or vigor of eggs and/or young, and direct mortality.

Recommended Mitigation Measure 10: Western Pond Turtle Surveys

CDFW recommends a qualified biologist conduct focused surveys for western pond turtle 10 days prior to Project implementation using a best available methodology for the intended purpose CDFW maintains a list of recommended survey protocols for western pond turtle and other fish and wildlife species online at: https://wildlife.ca.gov/Conservation/Survey-Protocols#377281283-reptiles.

Recommended Mitigation Measure 11: Western Pond Turtle Relocation

CDFW recommends that if any western pond turtle are discovered at the site immediately prior to or during Project activities, they should be allowed to move out of the area on their own volition. If a western pond turtle is unable to move out of the Project area on its own, a qualified biologist shall relocate western pond turtle out of the Project area into habitat similar to where it was found.

COMMENT 8: Crotch's bumble bee

Crotch's bumble bee (*Bombus crotchii*) are candidate species under CESA (CEQA Guidelines, §15380, subds. (c)(1)). The NOP does not address whether the proposed Project could result in impacts to Crotch's bumble bee. Crotch's bumble bee occurrences have been documented within the vicinity of the Project area and historic observations occur elsewhere in Santa Clara County (CDFW 2023, County). The Project location is within the Crotch's bumble bee range (https://wildlife.ca.gov/Conservation/CESA) and grassland within and adjacent to the Project area may contain potential habitat for Crotch's bumble bee.

The Project includes ground disturbance that may occur within ruderal grass and herbaceous vegetation and that may be potential Crotch's bumble bee nesting and foraging habitat. Potential impacts include direct mortality through crushing or filling of active bee colonies and hibernating bee cavities, reduced reproductive success, loss of

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suitable breeding and foraging habitats, loss of native vegetation that may support essential foraging habitat.

Recommended Mitigation Measure 12: Habitat Assessment

A habitat assessment shall be conducted by a qualified entomologist knowledgeable with the life history and ecological requirements of Crotch's bumble bee. The habitat assessment shall include all suitable nesting, overwintering, and foraging habitats within the Project area and surrounding areas. Potential nest habitat (February through October) could include that of other *Bombus* species such as bare ground, thatched grasses, abandoned rodent burrows or bird nests, brush piles, rock piles, and fallen logs. Overwintering habitat (November through January) could include that of other *Bombus* species such as soft and disturbed soil or under leaf litter or other debris. The habitat assessment shall be conducted during peak bloom period for floral resources on which Crotch's bumble bee feed. Further guidance on habitat surveys can be found within *Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bee Species* (https://wildlife.ca.gov/Conservation/CESA).

Recommended Mitigation Measure 13: Herbicide Application: To minimize impacts to bumble bees, avoid the bloom periods for herbicide application and mowing activities. If this is not possible, CDFW recommends that the Project obtain take authorization under an ITP, pursuant to Fish and Game Code section 2081 subdivision (b).

COMMENT 9: Sensitive Natural Plant Communities

The Project would go through habitat for rare species, including federally endangered species. The Native Plant Protection Act (NPPA) (Fish & G. Code §1900 *et seq*.) prohibits the take or possession of state-listed rare and endangered plants, including any part or product thereof, unless authorized by CDFW or in certain limited circumstances. Take of state-listed rare and/or endangered plants due to Project activities may only be permitted through an ITP or other authorization issued by CDFW pursuant to California Code of Regulations, Title 14, section 786.9 subdivision (b).

Impacts to special-status plant species should be considered significant under CEQA unless they are clearly mitigated below a level of significance. CDFW considers plant communities, alliances, and associations with a statewide ranking of S1, S2, S3, and S4 as sensitive and declining at the local and regional level (Sawyer 2009).

Additionally, plants that have a California Native Plant Society (CNPS), California Rare Plant Rank (CRPR) of 1A, 1B, 2A, and 2B are rare throughout their range, endemic to California, and are seriously or moderately threatened in California. All plants constituting CRPR 1A, 1B, 2A, and 2B are eligible for State listing. Impacts to these species or their habitat must be analyzed during preparation of environmental documents relating to CEQA, as they meet the definition of rare or endangered (CEQA

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Guidelines, § 15380). Please see CNPS https://www.cnps.org/rare-plants (CNPS 2022) page for additional rank definitions.

Recommended Mitigation Measure 14: Buffers

To avoid indirect impacts to special-status plants, an appropriate buffer distance should be established between the special-status plant occurrence and the Project impact areas. Appropriate buffer distance should be based upon review of site-specific conditions (e.g. special-status plants located downstream, inland, or in lower elevational areas in relation to the impact location, special-status plants being down wind of earth moving activities, and other conditions).

Recommended Mitigation Measure 15: Compensatory Mitigation and Revegetation

A review of protocol-level survey results should be conducted to establish appropriate compensatory mitigation ratios specific to each special-status plant species. Compensatory mitigation ratios should be developed based on the biological factors specific to each species and should be sufficient to compensate for the loss of those species. Appropriate compensatory mitigation should be through preservation and protection in perpetuity of equal or higher quality habitat, or through creation, enhancement, and/or restoration. A mitigation and monitoring plan should be developed, approved by CDFW prior to any ground disturbance, and include success criteria to be met at the end of the monitoring period. If success criteria are not met, the mitigation plan should include adaptive management actions along with additional years of monitoring as well as additional mitigation for the temporal loss.

Would the Project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? Would the Project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulatations, or by CDFW or USFWS?

COMMENT 10: Permits for Stream, Wetland, and Other Waters Impacts, Impacts to Sensitive Natural Communities, Riparian Habitat, Wetlands, LSA Notification and Clean Water Act compliance

The Project may be subject to the Clean Water Act and the Porter-Cologne Water Quality Control Act, but not Fish and Game Code section 1600 et seq. Development facilitated by the Project may result in impacts to streams and riparian habitats, such as Guadelupe River, Coyote Creek, Coyote River, Penitencia Creek, Scott Creek, Toroges Creek, Aqua Fria Creek, individual ponds, and Coastal Marsh habitat.

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When riparian habitat is substantially altered, riparian functions become impaired, thereby likely substantially adversely impacting aquatic and terrestrial species. Without specific mitigation measures containing performance standards CDFW considers impacts to these resources as potentially significant (CEQA Guidelines, §§ 15065, 15380).

To reduce potential impacts to streams, wetlands, and other waters to less-than-significant and comply with Fish and Game Code section 1600 et seq., the Porter-Cologne Water Quality Control Act, and the Clean Water Act, CDFW recommends including the mitigation measure below in the draft EIR.

Recommended Mitigation Measure 16: Stream and Wetland Mitigation and Resource Agency Permits

The Project shall be designed to minimize fill of jurisdictional waters. If impacts to any streams cannot be avoided, then prior to the impacts the Project shall submit an LSA notification to CDFW and comply with the LSA Agreement, if issued. Additionally, if impacts to any streams, wetlands, or other waters cannot be avoided, the Project shall obtain authorization from the Regional Water Quality Control Board (RWQCB) and the U.S. Army Corps of Engineers (USACE) pursuant to the Porter-Cologne Water Quality Control Act and Clean Water Act sections 401 and 404, as applicable. Impacts to waters, wetlands, and riparian habitat subject to the permitting authority of CDFW, the RWQCB, or the USACE shall be mitigated by providing restoration at a minimum 3:1 restoration to impact ratio in area for permanent impacts and 1:1 ratio for temporary impacts, unless otherwise approved in writing by CDFW or otherwise required by the RWQCB or USACE. A Habitat Mitigation and Monitoring Plan shall be prepared and implemented for the proposed mitigation. The Project shall obtain written approval of this plan from CDFW, the RWQCB, or the USACE as applicable prior to any disturbance of stream or riparian habitat, wetlands, or other waters.

Recommended Mitigation Measure 17: LSA Notification and other Resource Agency Permits

The Project shall notify CDFW pursuant to Fish and Game Code section 1600 et seq. using the Environmental Permit Information Management System (see: https://wildlife.ca.gov/Conservation/Environmental-Review/EPIMS) for Project activities affecting lakes or streams, associated riparian or otherwise hydrologically connected habitat, and any connected wetlands, and shall comply with the LSA Agreement, if issued. Projects shall also obtain and comply with applicable permits from the RWQCB and USACE pursuant to the Clean Water Act and Porter-Cologne Water Quality Control Act.

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Recommended Mitigation Measure 18: Habitat Restoration and Compensation

The Project shall implement restoration on-site or off-site to mitigate temporary or permanent impacts to sensitive natural communities, riparian habitat, and wetlands at a minimum 1:1 (restore on-site temporary impacts) or 3:1 (permanent impacts) mitigation to impact ratio for acres and linear feet of impacts, or habitat compensation including permanent protection of habitat at the same ratio through a conservation easement and preparing and funding implementation of a long-term management plan, unless otherwise approved in writing by CDFW.

ENVIRONMENTAL DATA

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a data base which may be used to make subsequent or supplemental environmental determinations. (Pub. Resources Code, § 21003, subd. (e).) Accordingly, please report any special-status species and natural communities detected during Project surveys to the CNDDB. The CNDDB field survey form can be filled out and submitted online at the following link: https://wildlife.ca.gov/Data/CNDDB/Submitting-Data. The types of information reported to CNDDB can be found at the following link: https://www.wildlife.ca.gov/Data/CNDDB/Plants-and-Animals.

ENVIRONMENTAL DOCUMENT FILING FEES

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of environmental document filing fees is necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the environmental document filing fee is required in order for the underlying project approval to be operative, vested, and final. (See Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089.)

CONCLUSION

CDFW appreciates the opportunity to comment on the NOP to assist the Lead Agency in identifying and mitigating Project impacts on biological resources.

Questions regarding this letter or further coordination should be directed to Marcus Griswold, Senior Environmental Scientist (Specialist), at (707) 815-6451 or Marcus.Griswold@wildlife.ca.gov; or Jason Faridi, Senior Environmental Scientist (Supervisory), at Jason.Faridi@wildlife.ca.gov.

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Sincerely,

Signed by:
Greg Martinelli for
7E1D27B5645E452...
Erin Chappell
Regional Manager
Bay Delta Region

Attachment 1: Special-Status Species and Commercially/Recreationally Important Species

ec: Office of Planning and Research, State Clearinghouse (SCH No. 2024071095)
C. Weightman, Bay Delta Region – Craig.Weightman@wildlife.ca.gov

REFERENCES

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ATTACHMENT 1: Special-Status Species

Species	Status
Fish and Invertebrates	
Crotch's bumble bee (*Bombus crotchii*)	State candidate (SC)
green sturgeon – southern distinct population segment (DPS [Acipenser medirostris pop. 1])	Federally Threatened (FT), State Species of Special Concern (SSC)
steelhead - central California coast DPS (*Oncorhynchus mykiss irideus*)	FT, SSC
longfin smelt (*Spirinchus thaleichthys*)	Proposed FT, State Threatened (ST)
white sturgeon (*Acipenser transmontanus*)	SC
Sacramento hitch (Lavinia exilicauda exilicauda)	SSC
Sacramento splittail (*Pogonichthys macrolepidotus*)	SSC
Birds	
Cooper's hawk (*Accipiter cooperii*)	State Watch List
Alameda song sparrow (*Melospiza melodia pusillula*)	SSC
black skimmer (*Rynchops niger*)	SSC
burrowing owl (*Athene cunicularia*)	SSC
California least tern (*Sternula antillarum browni*)	FE, State Fully Protected (FP)
California Ridgway's rail (*Rallus obsoletus obsoletus*)	FE, State Endangered (SE), FP
California black rail (*Laterallus jamaicensis coturniculus*)	ST, SSC
golden eagle (*Aquila chrysaetos*)	FP
grasshopper sparrow (*Ammodramus savannarum*)	SSC
northern harrier (*Circus hudsonius*)	SSC
saltmarsh common yellowthroat (*Geothlypis trichas sinuosa*)	SSC

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Species	Status
tricolored blackbird (*Agelaius tricolor*)	ST, SSC
western snowy plover (*Charadrius nivosus nivosus*)	FT, SSC
white-tailed kite (*Elanus leucurus*)	FP
Mammals	
pallid bat (*Antrozous pallidus*)	SSC
salt-marsh harvest mouse (*Reithrodontomys raviventris*)	Federal Endangered (FE), FP
San Francisco dusky-footed woodrat (*Neotoma fuscipes annectens*)	SSC
salt-marsh wandering shrew (*Sorex vagrans halicoetes*)	SSC
Townsend's big-eared bat (*Corynorhinus townsendii*)	SSC
Reptiles and Amphibians	
western pond turtle (*Emys marmorata*)	Proposed FT, SSC
Plants	
Hoover's button-celery (*Eryngium aristulatum var. hooveri*)	S1, 1B.1
California alkali grass (*Puccinellia simplex*)	S2, 1B.2
Congdon's tarplant (*Centromadia parryi ssp. congdonii*)	S2, 1B.1
Contra Costa Goldfields (*Lasthenia conjugens*)	FE, S1, 1B.1
Point Reyes salty bird's-beak (*Chloropyron maritimum ssp. palustre*)	S2, 1B.2
California seablite (*Suaeda californica*)	FE, S1, 1B.1
saline clover (*Trifolium hydrophilum*)	S2, 1B.2

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NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

August 1, 2024

Tommy Alexander
California Public Utilities Commission
505 Van Ness Avenue
San Francisco CA 94102

Re: 2024071095 Power the South Bay Project, Alameda and Santa Clara County

Dear Mr. Alexander:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
   a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
   b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
   a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
   b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
   c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Cody.Campagne@NAHC.ca.gov.

Sincerely,

Cody Campagne

Cody Campagne
Cultural Resources Analyst

cc: State Clearinghouse

Appendix C

Air Quality, Greenhouse Gas, and Energy Calculations and Modeling

Power the South Bay Air Quality Construction Emissions: Environmental Science Associates Estimates

As supplemented by Environmental Science Associates to revise the Newark Substation modification construction emissions to reflect PG&E's commitment to use Tier 4 interim compliant equipment and to revise the NRS Substation modification construction emissions to reflect no commitment by SVP to implement equipment controls. The criteria air pollutant emissions presented in Section 3.3 Air Quality reflect the Tier 4 Interim and average emissions for the PG&E and SVP work, respectively, supersede that LSPGC's original estimates.

CalEEMod: PGE Upgrades Newark Detailed Report, 4/7/2025

		PGE Upgrades Newark			
12/31/2026	1/1/2027	12/1/2026	2/15/2028		Total workdays
12/31/2027	1/1/2028			2026	23
12/31/2028				2027	261
				2028	32
				Workdays	316

CalEEMod: PGE Upgrades Newark Detailed Report, 4/7/2025

Average Daily Construction Emissions (Tier 4 Interim)					
	ROG	NOx	PM10E	PM2.5E	
2026	0.01	0.1	0.0049	0.0049	tons/yr
2027	0.09	1.16	0.02	0.02	tons/yr
2028	0.01	0.14	0.0049	0.0049	tons/yr
Annual Totals	0.11	1.40	0.03	0.03	tons/yr
	0.70	**8.86**	**0.19**	**0.19**	lbs/day

CalEEMod: NRS Substation Detailed Report, 5/13/2025

12/31/2025		NRS Substation			
1/1/2026	9/1/2025	2/15/2026			Total workdays
12/31/2026	7/1/2026	9/15/2026	9/15/2026	2/15/2028	2025 88
1/1/2027	10/1/2026	3/15/2027			2026 153
					2027 52
					Workdays 293

CalEEMod: NRS Substation Detailed Report, 5/13/2025

Average Daily Construction Emissions (Average)					
	ROG	NOx	PM10E	PM2.5E	tons/yr
2025	0.07	0.33	0.01	0.01	tons/yr
2026	0.08	0.6	0.03	0.02	tons/yr
2027	0.02	0.19	0.01	0.01	tons/yr
Annual Totals	0.17	1.12	0.05	0.04	tons/yr
	1.16	**7.65**	**0.34**	**0.27**	lbs/day

CalEEMod: Newark - NRS Transmission Line Work (12-18-24) Detailed Report, 12/19/2024

		Newark - NRS Transmission Line Work			
12/31/2026	1/1/2027	8/1/2027	3/15/2028		Total workdays
12/31/2027	1/1/2028	6/1/2026	2/15/2027	2026	154
12/31/2028		8/1/2026	7/15/2027	2027	261
		7/1/2026	1/15/2027	2028	205
		7/1/2026	9/15/2027	Workdays	620
		6/1/2026	9/15/2026		
		6/1/2026	2/15/2027		
		11/1/2027	10/15/2028		
		6/1/2026	9/15/2026		

CalEEMod: Newark - NRS Transmission Line Work (12-18-24) Detailed Report, 12/19/2024

Average Daily Construction Emissions (Tier 4 Final)					
	ROG	NOx	PM10E	PM2.5E	
2026	0.56	6.08	0.18	0.17	tons/yr
2027	0.25	3.75	0.08	0.07	tons/yr
2028	0.04	0.93	0.01	0.0049	tons/yr
Annual Totals	0.85	10.76	0.27	0.24	tons/yr
	2.74	**34.71**	**0.87**	**0.79**	lbs/day

	ROG	NOx	PM10	PM2.5	
Project Total	**4.60**	**51.22**	**1.40**	**1.25**	lbs/day

Power the South Bay Air Quality Construction Emissions: LSPGC Estimates

As supplemented by Environmental Science Associates to revise the Newark Substation modification construction emissions to reflect PG&E's commitment to use Tier 4 interim compliant equipment and to revise the NRS Substation modification construction emissions to reflect no commitment by SVP to implement equipment controls. The criteria air pollutant emissions presented in Section 3.3 Air Quality reflect the Tier 4 Interim and average emissions for the PG&E and SVP work, respectively, supersede that LSPGC's original estimates.

CalEEMod: PGE Upgrades Newark - HVDC Tier 4 Final (12-18-24 Update) Detailed Report, 12/19/2024

PGE Upgrades Newark Construction Schedule Dates

					Total workdays
12/31/2026	1/1/2027	12/1/2026	2/15/2028	2026	23
12/31/2027	1/1/2028			2027	261
12/31/2028				2028	32
				Workdays	316

	Average Daily Construction Emissions				
	ROG	NOx	PM10E	PM2.5E	units
2026	0.1	0.08	0.0049	0.0049	tons/year
2027	0.09	0.87	0.02	0.02	tons/year
2028	0.01	0.11	0.0049	0.0049	tons/year
Annual Totals	0.20	1.06	0.03	0.03	tons/year
	1.27	**6.71**	**0.19**	**0.19**	lbs/day

CalEEMod: NRS Substation Location - HVDC Tier 4 Final (050524 Update) Detailed Report, 5/8/2025

12/31/2025 NRS Substation Construction Schedule Dates

				Total workdays
1/1/2026	9/1/2025	2/15/2026	2025	88
12/31/2026	7/1/2026	9/15/2026	2026	153
1/1/2027	10/1/2026	3/15/2027	2027	52
			Workdays	293

	Average Daily Construction Emissions				
	ROG	NOx	PM10E	PM2.5E	units
2025	0.03	0.27	0.01	0.01	tons/year
2026	0.03	0.35	0.01	0.01	tons/year
2027	0.01	0.1	0.0049	0.0049	tons/year
Annual Totals	0.07	0.72	0.02	0.02	tons/year
	0.48	**4.91**	**0.17**	**0.17**	lbs/day

CalEEMod Newark - NRS Transmission Line Work (12-18-24) Detailed Report, 12/19/2024

Newark - NRS Transmission Line Work Construction Schedule Dates

					Total workdays
12/31/2026	1/1/2027	8/1/2027	3/15/2028	2026	154
12/31/2027	1/1/2028	6/1/2026	2/15/2027	2027	261
12/31/2028		8/1/2026	7/15/2027	2028	205
		7/1/2026	1/15/2027	Workdays	620
		7/1/2026	9/15/2027		
		6/1/2026	9/15/2026		
		6/1/2026	2/15/2027		
		11/1/2027	10/15/2028		
		6/1/2026	9/15/2026		

	Average Daily Construction Emissions				
	ROG	NOx	PM10E	PM2.5E	units
2026	0.56	6.08	0.18	0.17	tons/year
2027	0.25	3.75	0.08	0.07	tons/year
2028	0.04	0.93	0.01	0.0049	tons/year
Annual Totals	0.85	10.76	0.27	0.24	tons/year
	2.74	**34.71**	**0.87**	**0.79**	lbs/day

	ROG	NOx	PM10	PM2.5	
Project Total	**4.49**	**46.33**	**1.23**	**1.15**	lbs/day

Power the South Bay Greenhouse Gas Construction Emissions

Updated Table 5.8-3: Expected Annual Construction CO_2e Emissions	
Year	**CO_2e (MT/Year)**
Newark Substation 2026	43
Newark Substation 2027	503
Newark Substation 2028	63
NRS Substation 2025	145
NRS Substation 2026	219
NRS Substation 2027	71
Transmission Lines 2026	4775
Transmission Lines 2027	3470
Transmission Lines 2028	381
Total	**9,670**
Yearly Average Construction Emissions (MT/year over 30 years)	**322**

Note: Emission estimates are based on annual emissions found in CalEEMod outputs for each component

Power the South Bay Project
Updated Project Fuel Use Calculations - Project Construction
Data Request No. 3

Fuel Usage (gallons) = CO_2 emission (kg) / fuel combustion rate (kg/gallon)

Diesel Emissions		
off road equipment	4231.1	MT
onroad (haul & vendor trips)	4758.8	MT
Total Diesel Emissions	8989.9	MT
kg/MT	1000	
Total CO_2 Emissions (kg)	8989900	kg

Diesel fuel combustion rate	10.21	kg/gallon
Diesel fuel consumption	880,499.51	gallons

Gasoline Emissions		
Worker Trips	711.53	MT
kg/MT	1000	
Total Emissions (kg)	711530	kg

Gasoline combustion rate	8.78	kg/gallon
Gasoline consumption	81,039.86	gallons

Notes
Combustion rates taken from The Climate Registry 2020 default emission factors (Table 2.1).

NRS Substation Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	NRS Substation
Construction Start Date	6/1/2026
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20
Precipitation (days)	25.8
Location	37.50616549232012, -121.98839557092066
County	Alameda
City	Fremont
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1894
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
User Defined Industrial	1.00	User Defined Unit	13.8	10,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.69	7.75	9.90	0.03	0.33	0.93	1.26	0.30	0.24	0.54	—	3,616	3,616	0.11	0.27	3,705
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.79	8.03	9.58	0.03	0.33	0.93	1.26	0.31	0.24	0.54	—	3,580	3,580	0.11	0.27	3,663
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.46	3.31	3.73	0.01	0.14	0.39	0.52	0.13	0.10	0.23	—	1,436	1,436	0.05	0.11	1,472
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.08	0.60	0.68	< 0.005	0.03	0.07	0.10	0.02	0.02	0.04	—	238	238	0.01	0.02	244

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.69	7.42	9.90	0.03	0.23	0.93	1.16	0.21	0.24	0.45	—	3,616	3,616	0.11	0.27	3,705

2026	0.90	7.75	9.09	0.03	0.33	0.93	1.26	0.30	0.24	0.54	—	3,409	3,409	0.11	0.27	3,497
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.68	7.56	9.48	0.03	0.23	0.93	1.16	0.21	0.24	0.45	—	3,580	3,580	0.11	0.27	3,663
2026	1.79	8.03	9.58	0.03	0.33	0.93	1.26	0.31	0.24	0.54	—	3,544	3,544	0.11	0.27	3,627
2027	0.84	7.33	8.53	0.03	0.29	0.93	1.22	0.27	0.24	0.51	—	3,334	3,334	0.11	0.27	3,416
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.40	1.79	2.26	0.01	0.05	0.22	0.27	0.05	0.06	0.11	—	855	855	0.03	0.06	876
2026	0.46	3.31	3.73	0.01	0.14	0.39	0.52	0.13	0.10	0.23	—	1,436	1,436	0.05	0.11	1,472
2027	0.12	1.05	1.24	< 0.005	0.04	0.13	0.18	0.04	0.03	0.07	—	483	483	0.02	0.04	495
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.07	0.33	0.41	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	142	142	< 0.005	0.01	145
2026	0.08	0.60	0.68	< 0.005	0.03	0.07	0.10	0.02	0.02	0.04	—	238	238	0.01	0.02	244
2027	0.02	0.19	0.23	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	80.0	80.0	< 0.005	0.01	82.0

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.32	0.01	0.51	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	22.7	22.7	< 0.005	< 0.005	23.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.25	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	19.7	19.7	< 0.005	< 0.005	20.0
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.29	0.01	0.28	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	20.7	20.7	< 0.005	< 0.005	21.0
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.05	< 0.005	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	3.43	3.43	< 0.005	< 0.005	3.48

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	20.9	20.9	< 0.005	< 0.005	21.2
Area	0.31	< 0.005	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.79	1.79	< 0.005	< 0.005	1.79
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.32	0.01	0.51	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	22.7	22.7	< 0.005	< 0.005	23.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	19.7	19.7	< 0.005	< 0.005	20.0
Area	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.25	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	19.7	19.7	< 0.005	< 0.005	20.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	20.1
Area	0.28	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.88	0.88	< 0.005	< 0.005	0.89

Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.29	0.01	0.28	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	20.7	20.7	< 0.005	< 0.005	21.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	3.33
Area	0.05	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.05	< 0.005	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	3.43	3.43	< 0.005	< 0.005	3.48

3. Construction Emissions Details

3.1. NRS Upgrades P1A (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	5.74	7.42	0.02	0.21	—	0.21	0.19	—	0.19	—	1,467	1,467	0.06	0.01	1,472
Architectural Coatings	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.71	5.74	7.42	0.02	0.21	—	0.21	0.19	—	0.19	—	1,467	1,467	0.06	0.01	1,472
Architectural Coatings	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.37	1.77	< 0.005	0.05	—	0.05	0.05	—	0.05	—	350	350	0.01	< 0.005	351
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.25	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.0	58.0	< 0.005	< 0.005	58.2
Architectural Coatings	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.92	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	492	492	< 0.005	0.02	499
Vendor	0.03	1.58	0.56	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,657	1,657	0.05	0.24	1,734
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.15	1.50	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	456	456	< 0.005	0.02	461

Vendor	0.03	1.67	0.56	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,657	1,657	0.05	0.24	1,730
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.36	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	111
Vendor	0.01	0.39	0.13	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	396	396	0.01	0.06	413
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.1	18.1	< 0.005	< 0.005	18.4
Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.5	65.5	< 0.005	0.01	68.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.3. NRS Upgrades P1A (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	6.32	7.65	0.02	0.31	—	0.31	0.28	—	0.28	—	1,469	1,469	0.06	0.01	1,474
Architectural Coatings	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.57	0.69	< 0.005	0.03	—	0.03	0.03	—	0.03	—	132	132	0.01	< 0.005	133
Architectural Coatings	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.13	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	21.9	21.9	< 0.005	< 0.005	22.0
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.13	1.40	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	447	447	< 0.005	0.02	452
Vendor	0.03	1.59	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,629	1,629	0.05	0.24	1,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	40.5	40.5	< 0.005	< 0.005	41.0
Vendor	< 0.005	0.14	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	147	147	< 0.005	0.02	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.71	6.71	< 0.005	< 0.005	6.80
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.3	24.3	< 0.005	< 0.005	25.4

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. NRS Upgrades P1C (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	6.15	6.75	0.01	0.30	—	0.30	0.28	—	0.28	—	1,298	1,298	0.05	0.01	1,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.93	1.02	< 0.005	0.05	—	0.05	0.04	—	0.04	—	196	196	0.01	< 0.005	196
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.17	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.4	32.4	< 0.005	< 0.005	32.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.81	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	483	483	< 0.005	0.02	489
Vendor	0.03	1.50	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,628	1,628	0.05	0.24	1,706

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.9	67.9	< 0.005	< 0.005	68.7
Vendor	< 0.005	0.24	0.08	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	245	245	0.01	0.04	257
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	11.4
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.6	40.6	< 0.005	0.01	42.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.7. NRS Upgrades P2A (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	6.15	6.75	0.01	0.30	—	0.30	0.28	—	0.28	—	1,298	1,298	0.05	0.01	1,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.11	1.21	< 0.005	0.05	—	0.05	0.05	—	0.05	—	234	234	0.01	< 0.005	234

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.20	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.7	38.7	< 0.005	< 0.005	38.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.13	1.40	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	447	447	< 0.005	0.02	452
Vendor	0.03	1.59	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,629	1,629	0.05	0.24	1,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.25	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.1	81.1	< 0.005	< 0.005	82.1
Vendor	0.01	0.28	0.09	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	293	293	0.01	0.04	307
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	13.6
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	48.5	48.5	< 0.005	0.01	50.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.9. NRS Upgrades P2A (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	5.70	6.71	0.01	0.27	—	0.27	0.25	—	0.25	—	1,299	1,299	0.05	0.01	1,303
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.83	0.97	< 0.005	0.04	—	0.04	0.04	—	0.04	—	188	188	0.01	< 0.005	189
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	31.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.11	1.32	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	439	439	< 0.005	0.02	444
Vendor	0.03	1.52	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,669
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.19	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	64.0	64.0	< 0.005	< 0.005	64.8

Vendor	< 0.005	0.22	0.07	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	231	231	0.01	0.03	242
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	10.7
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.3	38.3	< 0.005	0.01	40.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	< 0.005	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.79	1.79	< 0.005	< 0.005	1.79
Total	0.31	< 0.005	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.79	1.79	< 0.005	< 0.005	1.79
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	0.01	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15
Total	0.05	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
NRS Upgrades P1A	Building Construction	9/1/2025	2/15/2026	5.00	120	—
NRS Upgrades P1C	Building Construction	7/1/2026	9/15/2026	5.00	55.0	—
NRS Upgrades P2A	Building Construction	10/1/2026	3/15/2027	5.00	118	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
NRS Upgrades P1A	Excavators	Diesel	Average	1.00	5.00	70.0	0.38
NRS Upgrades P1A	Rubber Tired Loaders	Diesel	Average	1.00	5.00	275	0.36
NRS Upgrades P1A	Bore/Drill Rigs	Diesel	Average	1.00	4.00	125	0.50
NRS Upgrades P1A	Welders	Diesel	Average	1.00	2.00	395	0.45
NRS Upgrades P1C	Forklifts	Diesel	Average	1.00	4.00	130	0.20
NRS Upgrades P1C	Excavators	Diesel	Average	1.00	5.00	70.0	0.38
NRS Upgrades P1C	Rubber Tired Loaders	Diesel	Average	1.00	5.00	275	0.36
NRS Upgrades P1C	Welders	Diesel	Average	1.00	2.00	395	0.45
NRS Upgrades P2A	Forklifts	Diesel	Average	1.00	4.00	130	0.20
NRS Upgrades P2A	Excavators	Diesel	Average	1.00	5.00	70.0	0.38
NRS Upgrades P2A	Rubber Tired Loaders	Diesel	Average	1.00	5.00	275	0.36
NRS Upgrades P2A	Welders	Diesel	Average	1.00	2.00	395	0.45

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix

NRS Upgrades P1A	—	—	—	—
NRS Upgrades P1A	Worker	15.0	45.0	LDA,LDT1,LDT2
NRS Upgrades P1A	Vendor	12.0	45.0	HHDT,MHDT
NRS Upgrades P1A	Hauling	0.00	45.0	HHDT
NRS Upgrades P1A	Onsite truck	—	—	HHDT
NRS Upgrades P1C	—	—	—	—
NRS Upgrades P1C	Worker	15.0	45.0	LDA,LDT1,LDT2
NRS Upgrades P1C	Vendor	12.0	45.0	HHDT,MHDT
NRS Upgrades P1C	Hauling	0.00	45.0	HHDT
NRS Upgrades P1C	Onsite truck	—	—	HHDT
NRS Upgrades P2A	—	—	—	—
NRS Upgrades P2A	Worker	15.0	45.0	LDA,LDT1,LDT2
NRS Upgrades P2A	Vendor	12.0	45.0	HHDT,MHDT
NRS Upgrades P2A	Hauling	0.00	45.0	HHDT
NRS Upgrades P2A	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
NRS Upgrades P1A	0.00	0.00	15,000	5,000	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
User Defined Industrial	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2025	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	2.74	2.74	2.74	1,000	27.4	27.4	27.4	10,001

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	15,000	5,000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
User Defined Industrial	0.00	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
User Defined Industrial	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.2	annual days of extreme heat
Extreme Precipitation	3.25	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	13.7
AQ-PM	24.0
AQ-DPM	92.7
Drinking Water	10.2
Lead Risk Housing	5.14
Pesticides	5.17
Toxic Releases	50.8
Traffic	87.3
Effect Indicators	—
CleanUp Sites	99.9
Groundwater	95.4
Haz Waste Facilities/Generators	99.5
Impaired Water Bodies	33.2
Solid Waste	93.0
Sensitive Population	—
Asthma	25.4
Cardio-vascular	40.4
Low Birth Weights	70.6

Socioeconomic Factor Indicators	—
Education	20.9
Housing	2.79
Linguistic	53.9
Poverty	3.54
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	98.24201206
Employed	82.72808931
Median HI	97.34377005
Education	—
Bachelor's or higher	97.47209034
High school enrollment	100
Preschool enrollment	67.21416656
Transportation	—
Auto Access	76.73553189
Active commuting	55.34453997
Social	—
2-parent households	98.75529321
Voting	51.93122033
Neighborhood	—
Alcohol availability	69.39561145
Park access	32.96548184
Retail density	79.5970743

Supermarket access	40.89567561
Tree canopy	51.64891569
Housing	—
Homeownership	77.96740665
Housing habitability	96.39419992
Low-inc homeowner severe housing cost burden	94.99550879
Low-inc renter severe housing cost burden	93.13486462
Uncrowded housing	63.4800462
Health Outcomes	—
Insured adults	91.18439625
Arthritis	98.6
Asthma ER Admissions	74.4
High Blood Pressure	98.4
Cancer (excluding skin)	94.8
Asthma	99.9
Coronary Heart Disease	99.1
Chronic Obstructive Pulmonary Disease	99.7
Diagnosed Diabetes	96.7
Life Expectancy at Birth	78.5
Cognitively Disabled	66.4
Physically Disabled	87.9
Heart Attack ER Admissions	65.2
Mental Health Not Good	99.6
Chronic Kidney Disease	98.6
Obesity	99.9
Pedestrian Injuries	90.9
Physical Health Not Good	99.5
Stroke	99.1

Health Risk Behaviors	—
Binge Drinking	93.5
Current Smoker	98.5
No Leisure Time for Physical Activity	88.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	25.4
Children	17.1
Elderly	88.2
English Speaking	34.4
Foreign-born	97.3
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	21.5
Traffic Density	83.1
Traffic Access	60.6
Other Indices	—
Hardship	8.8
Other Decision Support	—
2016 Voting	55.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0
Healthy Places Index Score for Project Location (b)	97.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Approx. 10KSF control enclosure/building
Construction: Construction Phases	Construction Schedule from CalEEMod
Construction: Off-Road Equipment	NRS Upgrades Construction from CalEEMod
Construction: Trips and VMT	Updated per Traffic Identified in CalEEMod
Operations: Architectural Coatings	match
Operations: Energy Use	200 kW load so 1,752,000 kW

PGE Upgrades Newark Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	PGE Upgrades Newark
Construction Start Date	12/15/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20
Precipitation (days)	25.8
Location	37.50616549232012, -121.98839557092066
County	Alameda
City	Fremont
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1894
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
User Defined Industrial	1.00	User Defined Unit	13.8	10,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.72	8.78	15.6	0.03	0.19	0.93	1.12	0.18	0.24	0.41	—	4,204	4,204	0.14	0.27	4,294
Mit.	0.70	6.64	15.6	0.03	0.16	0.93	1.09	0.15	0.24	0.39	—	4,204	4,204	0.14	0.27	4,294
% Reduced	4%	24%	—	—	15%	—	3%	14%	—	6%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.75	9.11	15.3	0.03	0.20	0.93	1.13	0.19	0.24	0.43	—	4,208	4,208	0.14	0.27	4,293
Mit.	0.72	6.97	15.3	0.03	0.17	0.93	1.10	0.16	0.24	0.40	—	4,208	4,208	0.14	0.27	4,293
% Reduced	4%	24%	—	—	14%	—	3%	14%	—	6%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.52	6.33	10.9	0.02	0.14	0.65	0.79	0.13	0.17	0.29	—	2,980	2,980	0.10	0.20	3,042
Mit.	0.50	4.80	10.9	0.02	0.11	0.65	0.77	0.11	0.17	0.27	—	2,980	2,980	0.10	0.20	3,042
% Reduced	4%	24%	—	—	15%	—	3%	14%	—	6%	—	—	—	—	—	—

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.09	1.16	1.98	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	—	493	493	0.02	0.03	504
Mit.	0.09	0.88	1.98	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	—	493	493	0.02	0.03	504
% Reduced	4%	24%	—	—	15%	—	3%	14%	—	6%	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.72	8.78	15.6	0.03	0.19	0.93	1.12	0.18	0.24	0.41	—	4,204	4,204	0.14	0.27	4,294
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.75	9.11	15.3	0.03	0.20	0.93	1.13	0.19	0.24	0.43	—	4,208	4,208	0.14	0.27	4,293
2027	0.72	8.90	15.2	0.03	0.19	0.93	1.12	0.18	0.24	0.41	—	4,169	4,169	0.14	0.27	4,254
2028	0.70	8.73	15.1	0.03	0.18	0.93	1.11	0.16	0.24	0.40	—	4,119	4,119	0.14	0.26	4,201
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.05	0.55	0.93	< 0.005	0.01	0.06	0.07	0.01	0.01	0.03	—	255	255	0.01	0.02	261
2027	0.52	6.33	10.9	0.02	0.14	0.65	0.79	0.13	0.17	0.29	—	2,980	2,980	0.10	0.20	3,042
2028	0.06	0.78	1.36	< 0.005	0.02	0.08	0.10	0.01	0.02	0.04	—	371	371	0.01	0.02	379
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01	0.10	0.17	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	< 0.005	43.2
2027	0.09	1.16	1.98	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	—	493	493	0.02	0.03	504
2028	0.01	0.14	0.25	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.4	61.4	< 0.005	< 0.005	62.7

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.70	6.64	15.6	0.03	0.16	0.93	1.09	0.15	0.24	0.39	—	4,204	4,204	0.14	0.27	4,294
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.72	6.97	15.3	0.03	0.17	0.93	1.10	0.16	0.24	0.40	—	4,208	4,208	0.14	0.27	4,293
2027	0.69	6.76	15.2	0.03	0.16	0.93	1.09	0.15	0.24	0.39	—	4,169	4,169	0.14	0.27	4,254
2028	0.67	6.59	15.1	0.03	0.15	0.93	1.08	0.14	0.24	0.38	—	4,119	4,119	0.14	0.26	4,201
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.04	0.42	0.93	< 0.005	0.01	0.06	0.07	0.01	0.01	0.02	—	255	255	0.01	0.02	261
2027	0.50	4.80	10.9	0.02	0.11	0.65	0.77	0.11	0.17	0.27	—	2,980	2,980	0.10	0.20	3,042
2028	0.06	0.59	1.36	< 0.005	0.01	0.08	0.10	0.01	0.02	0.03	—	371	371	0.01	0.02	379
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01	0.08	0.17	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	< 0.005	43.2
2027	0.09	0.88	1.98	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	—	493	493	0.02	0.03	504
2028	0.01	0.11	0.25	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.4	61.4	< 0.005	< 0.005	62.7

3. Construction Emissions Details

3.1. PGE Upgrades Newark (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	7.40	13.4	0.02	0.18	—	0.18	0.16	—	0.16	—	2,132	2,132	0.09	0.02	2,139
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.45	0.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	129	129	0.01	< 0.005	130
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.4	21.4	< 0.005	< 0.005	21.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.13	1.40	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	447	447	< 0.005	0.02	452
Vendor	0.03	1.59	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,629	1,629	0.05	0.24	1,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.3	27.3	< 0.005	< 0.005	27.7

Vendor	< 0.005	0.09	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.8	98.8	< 0.005	0.01	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.52	4.52	< 0.005	< 0.005	4.58
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	17.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.2. PGE Upgrades Newark (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.25	13.4	0.02	0.15	—	0.15	0.14	—	0.14	—	2,132	2,132	0.09	0.02	2,139
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.32	0.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	129	129	0.01	< 0.005	130
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.4	21.4	< 0.005	< 0.005	21.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.13	1.40	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	447	447	< 0.005	0.02	452
Vendor	0.03	1.59	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,629	1,629	0.05	0.24	1,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.3	27.3	< 0.005	< 0.005	27.7
Vendor	< 0.005	0.09	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.8	98.8	< 0.005	0.01	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.52	4.52	< 0.005	< 0.005	4.58
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	17.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.3. PGE Upgrades Newark (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	7.27	13.4	0.02	0.17	—	0.17	0.15	—	0.15	—	2,134	2,134	0.09	0.02	2,141
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	7.27	13.4	0.02	0.17	—	0.17	0.15	—	0.15	—	2,134	2,134	0.09	0.02	2,141
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	5.20	9.56	0.02	0.12	—	0.12	0.11	—	0.11	—	1,524	1,524	0.06	0.01	1,529
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.95	1.74	< 0.005	0.02	—	0.02	0.02	—	0.02	—	252	252	0.01	< 0.005	253
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.08	1.68	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	474	474	< 0.005	0.02	480
Vendor	0.03	1.43	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,673
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.11	1.32	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	439	439	< 0.005	0.02	444
Vendor	0.03	1.52	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,669
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.07	0.95	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	316	316	< 0.005	0.01	320

Vendor	0.02	1.06	0.36	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,140	1,140	0.04	0.17	1,193
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	52.3	52.3	< 0.005	< 0.005	52.9
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	189	189	0.01	0.03	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.4. PGE Upgrades Newark (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.13	13.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,134	2,134	0.09	0.02	2,141
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.13	13.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,134	2,134	0.09	0.02	2,141
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.66	9.56	0.02	0.10	—	0.10	0.09	—	0.09	—	1,524	1,524	0.06	0.01	1,529
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.67	1.74	< 0.005	0.02	—	0.02	0.02	—	0.02	—	252	252	0.01	< 0.005	253
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.08	1.68	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	474	474	< 0.005	0.02	480
Vendor	0.03	1.43	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,673
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.11	1.32	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	439	439	< 0.005	0.02	444
Vendor	0.03	1.52	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,669
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.07	0.95	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	316	316	< 0.005	0.01	320
Vendor	0.02	1.06	0.36	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,140	1,140	0.04	0.17	1,193
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	52.3	52.3	< 0.005	< 0.005	52.9
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	189	189	0.01	0.03	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. PGE Upgrades Newark (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	7.19	13.4	0.02	0.15	—	0.15	0.14	—	0.14	—	2,130	2,130	0.09	0.02	2,137
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.65	1.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	192	192	0.01	< 0.005	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.7	31.7	< 0.005	< 0.005	31.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.10	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	431	431	< 0.005	0.02	436
Vendor	0.03	1.44	0.48	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,558	1,558	0.05	0.23	1,627
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.1	39.1	< 0.005	< 0.005	39.6

Vendor	< 0.005	0.13	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	140	140	< 0.005	0.02	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.47	6.47	< 0.005	< 0.005	6.55
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	24.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.6. PGE Upgrades Newark (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	5.05	13.4	0.02	0.12	—	0.12	0.12	—	0.12	—	2,130	2,130	0.09	0.02	2,137
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	1.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	192	192	0.01	< 0.005	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.7	31.7	< 0.005	< 0.005	31.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.10	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	431	431	< 0.005	0.02	436
Vendor	0.03	1.44	0.48	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,558	1,558	0.05	0.23	1,627
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.1	39.1	< 0.005	< 0.005	39.6
Vendor	< 0.005	0.13	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	140	140	< 0.005	0.02	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.47	6.47	< 0.005	< 0.005	6.55
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	24.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
PGE Upgrades Newark	Building Construction	12/1/2026	2/15/2028	5.00	316	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
PGE Upgrades Newark	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	5.00	275	0.27
PGE Upgrades Newark	Excavators	Diesel	Tier 4 Interim	1.00	8.00	70.0	0.23
PGE Upgrades Newark	Bore/Drill Rigs	Diesel	Average	2.00	10.0	125	0.25
PGE Upgrades Newark	Rough Terrain Forklifts	Diesel	Tier 4 Interim	1.00	10.0	130	0.24
PGE Upgrades Newark	Welders	Diesel	Average	2.00	2.00	395	0.23

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
PGE Upgrades Newark	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	5.00	275	0.27
PGE Upgrades Newark	Excavators	Diesel	Tier 4 Final	1.00	8.00	70.0	0.23
PGE Upgrades Newark	Bore/Drill Rigs	Diesel	Average	2.00	10.0	125	0.25

PGE Upgrades Newark	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	10.0	130	0.24
PGE Upgrades Newark	Welders	Diesel	Average	2.00	2.00	395	0.23

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
PGE Upgrades Newark	—	—	—	—
PGE Upgrades Newark	Worker	15.0	45.0	LDA,LDT1,LDT2
PGE Upgrades Newark	Vendor	12.0	45.0	HHDT,MHDT
PGE Upgrades Newark	Hauling	0.00	5.00	HHDT
PGE Upgrades Newark	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
PGE Upgrades Newark	—	—	—	—
PGE Upgrades Newark	Worker	15.0	45.0	LDA,LDT1,LDT2
PGE Upgrades Newark	Vendor	12.0	45.0	HHDT,MHDT
PGE Upgrades Newark	Hauling	0.00	5.00	HHDT
PGE Upgrades Newark	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
User Defined Industrial	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2028	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.2	annual days of extreme heat
Extreme Precipitation	3.25	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A

Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	13.7
AQ-PM	24.0
AQ-DPM	92.7
Drinking Water	10.2
Lead Risk Housing	5.14
Pesticides	5.17
Toxic Releases	50.8
Traffic	87.3
Effect Indicators	—

CleanUp Sites	99.9
Groundwater	95.4
Haz Waste Facilities/Generators	99.5
Impaired Water Bodies	33.2
Solid Waste	93.0
Sensitive Population	—
Asthma	25.4
Cardio-vascular	40.4
Low Birth Weights	70.6
Socioeconomic Factor Indicators	—
Education	20.9
Housing	2.79
Linguistic	53.9
Poverty	3.54
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	98.24201206
Employed	82.72808931
Median HI	97.34377005
Education	—
Bachelor's or higher	97.47209034
High school enrollment	100
Preschool enrollment	67.21416656
Transportation	—

Auto Access	76.73553189
Active commuting	55.34453997
Social	—
2-parent households	98.75529321
Voting	51.93122033
Neighborhood	—
Alcohol availability	69.39561145
Park access	32.96548184
Retail density	79.5970743
Supermarket access	40.89567561
Tree canopy	51.64891569
Housing	—
Homeownership	77.96740665
Housing habitability	96.39419992
Low-inc homeowner severe housing cost burden	94.99550879
Low-inc renter severe housing cost burden	93.13486462
Uncrowded housing	63.4800462
Health Outcomes	—
Insured adults	91.18439625
Arthritis	98.6
Asthma ER Admissions	74.4
High Blood Pressure	98.4
Cancer (excluding skin)	94.8
Asthma	99.9
Coronary Heart Disease	99.1
Chronic Obstructive Pulmonary Disease	99.7
Diagnosed Diabetes	96.7
Life Expectancy at Birth	78.5

Cognitively Disabled	66.4
Physically Disabled	87.9
Heart Attack ER Admissions	65.2
Mental Health Not Good	99.6
Chronic Kidney Disease	98.6
Obesity	99.9
Pedestrian Injuries	90.9
Physical Health Not Good	99.5
Stroke	99.1
Health Risk Behaviors	—
Binge Drinking	93.5
Current Smoker	98.5
No Leisure Time for Physical Activity	88.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	25.4
Children	17.1
Elderly	88.2
English Speaking	34.4
Foreign-born	97.3
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	21.5
Traffic Density	83.1
Traffic Access	60.6
Other Indices	—
Hardship	8.8
Other Decision Support	—

2016 Voting	55.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0
Healthy Places Index Score for Project Location (b)	97.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	From 12/19/2024 CalEEMod Att. C: Approx. 10KSF control enclosure/building
Construction: Construction Phases	Construction Schedule from Applicant List
Construction: Off-Road Equipment	Newark PGE Upgrades Construction from Applicant PD
Construction: Trips and VMT	Updated per Traffic Identified in construction spreadsheet

PGE Upgrades Newark - HVDC Tier 4 Final (12-18-24 Update) Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	PGE Upgrades Newark - HVDC Tier 4 Final (12-18-24 Update)
Construction Start Date	12/15/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20
Precipitation (days)	25.8
Location	37.50616549232012, -121.98839557092066
County	Alameda
City	Fremont
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1894
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
User Defined Industrial	1.00	User Defined Unit	13.8	10,000	0.00	—	—	Electrical Substation no buildings

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.69	6.63	15.5	0.03	0.16	0.93	1.09	0.15	0.24	0.39	—	4,196	4,196	0.14	0.27	4,287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.72	6.96	15.3	0.03	0.17	0.93	1.10	0.16	0.24	0.40	—	4,200	4,200	0.14	0.27	4,285
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.49	4.79	10.8	0.02	0.11	0.65	0.77	0.11	0.17	0.27	—	2,974	2,974	0.10	0.20	3,037
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.09	0.87	1.98	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	—	492	492	0.02	0.03	503

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.69	6.63	15.5	0.03	0.16	0.93	1.09	0.15	0.24	0.39	—	4,196	4,196	0.14	0.27	4,287

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.72	6.96	15.3	0.03	0.17	0.93	1.10	0.16	0.24	0.40	—	4,200	4,200	0.14	0.27	4,285
2027	0.69	6.75	15.2	0.03	0.16	0.93	1.09	0.15	0.24	0.39	—	4,161	4,161	0.14	0.27	4,246
2028	0.67	6.58	15.0	0.03	0.15	0.93	1.08	0.14	0.24	0.38	—	4,111	4,111	0.14	0.26	4,193
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.04	0.42	0.93	< 0.005	0.01	0.06	0.07	0.01	0.01	0.02	—	255	255	0.01	0.02	260
2027	0.49	4.79	10.8	0.02	0.11	0.65	0.77	0.11	0.17	0.27	—	2,974	2,974	0.10	0.20	3,037
2028	0.06	0.59	1.35	< 0.005	0.01	0.08	0.10	0.01	0.02	0.03	—	370	370	0.01	0.02	378
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01	0.08	0.17	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.2	42.2	< 0.005	< 0.005	43.1
2027	0.09	0.87	1.98	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	—	492	492	0.02	0.03	503
2028	0.01	0.11	0.25	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.3	61.3	< 0.005	< 0.005	62.6

3. Construction Emissions Details

3.1. PGE Upgrades Newark (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.24	13.4	0.02	0.15	—	0.15	0.14	—	0.14	—	2,124	2,124	0.09	0.02	2,131

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.32	0.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	129	129	0.01	< 0.005	129
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.3	21.3	< 0.005	< 0.005	21.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.13	1.40	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	447	447	< 0.005	0.02	452
Vendor	0.03	1.59	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,629	1,629	0.05	0.24	1,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.3	27.3	< 0.005	< 0.005	27.7
Vendor	< 0.005	0.09	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.8	98.8	< 0.005	0.01	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.52	4.52	< 0.005	< 0.005	4.58
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	17.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.3. PGE Upgrades Newark (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.12	13.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,126	2,126	0.09	0.02	2,133
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.12	13.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,126	2,126	0.09	0.02	2,133
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.66	9.53	0.02	0.10	—	0.10	0.09	—	0.09	—	1,519	1,519	0.06	0.01	1,524
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.67	1.74	< 0.005	0.02	—	0.02	0.02	—	0.02	—	251	251	0.01	< 0.005	252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.08	1.68	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	474	474	< 0.005	0.02	480
Vendor	0.03	1.43	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,673
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.11	1.32	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	439	439	< 0.005	0.02	444
Vendor	0.03	1.52	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,669
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.07	0.95	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	316	316	< 0.005	0.01	320
Vendor	0.02	1.06	0.36	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,140	1,140	0.04	0.17	1,193
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	52.3	52.3	< 0.005	< 0.005	52.9
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	189	189	0.01	0.03	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. PGE Upgrades Newark (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	5.04	13.3	0.02	0.12	—	0.12	0.12	—	0.12	—	2,122	2,122	0.09	0.02	2,129

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	1.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	191	191	0.01	< 0.005	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.6	31.6	< 0.005	< 0.005	31.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.10	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	431	431	< 0.005	0.02	436
Vendor	0.03	1.44	0.48	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,558	1,558	0.05	0.23	1,627
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.1	39.1	< 0.005	< 0.005	39.6
Vendor	< 0.005	0.13	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	140	140	< 0.005	0.02	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.47	6.47	< 0.005	< 0.005	6.55
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	24.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequeste	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
PGE Upgrades Newark	Building Construction	12/1/2026	2/15/2028	5.00	316	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
PGE Upgrades Newark	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	5.00	275	0.27
PGE Upgrades Newark	Excavators	Diesel	Tier 4 Final	1.00	8.00	70.0	0.23
PGE Upgrades Newark	Bore/Drill Rigs	Diesel	Average	2.00	10.0	125	0.25
PGE Upgrades Newark	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	10.0	130	0.24
PGE Upgrades Newark	Welders	Diesel	Average	2.00	2.00	395	0.23

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
PGE Upgrades Newark	—	—	—	—
PGE Upgrades Newark	Worker	15.0	45.0	LDA,LDT1,LDT2
PGE Upgrades Newark	Vendor	12.0	45.0	HHDT,MHDT
PGE Upgrades Newark	Hauling	0.00	45.0	HHDT
PGE Upgrades Newark	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
User Defined Industrial	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2028	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.2	annual days of extreme heat
Extreme Precipitation	3.25	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	13.7
AQ-PM	24.0
AQ-DPM	92.7
Drinking Water	10.2

Lead Risk Housing	5.14
Pesticides	5.17
Toxic Releases	50.8
Traffic	87.3
Effect Indicators	—
CleanUp Sites	99.9
Groundwater	95.4
Haz Waste Facilities/Generators	99.5
Impaired Water Bodies	33.2
Solid Waste	93.0
Sensitive Population	—
Asthma	25.4
Cardio-vascular	40.4
Low Birth Weights	70.6
Socioeconomic Factor Indicators	—
Education	20.9
Housing	2.79
Linguistic	53.9
Poverty	3.54
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	98.24201206
Employed	82.72808931
Median HI	97.34377005

Education	—
Bachelor's or higher	97.47209034
High school enrollment	100
Preschool enrollment	67.21416656
Transportation	—
Auto Access	76.73553189
Active commuting	55.34453997
Social	—
2-parent households	98.75529321
Voting	51.93122033
Neighborhood	—
Alcohol availability	69.39561145
Park access	32.96548184
Retail density	79.5970743
Supermarket access	40.89567561
Tree canopy	51.64891569
Housing	—
Homeownership	77.96740665
Housing habitability	96.39419992
Low-inc homeowner severe housing cost burden	94.99550879
Low-inc renter severe housing cost burden	93.13486462
Uncrowded housing	63.4800462
Health Outcomes	—
Insured adults	91.18439625
Arthritis	98.6
Asthma ER Admissions	74.4
High Blood Pressure	98.4
Cancer (excluding skin)	94.8

Asthma	99.9
Coronary Heart Disease	99.1
Chronic Obstructive Pulmonary Disease	99.7
Diagnosed Diabetes	96.7
Life Expectancy at Birth	78.5
Cognitively Disabled	66.4
Physically Disabled	87.9
Heart Attack ER Admissions	65.2
Mental Health Not Good	99.6
Chronic Kidney Disease	98.6
Obesity	99.9
Pedestrian Injuries	90.9
Physical Health Not Good	99.5
Stroke	99.1
Health Risk Behaviors	—
Binge Drinking	93.5
Current Smoker	98.5
No Leisure Time for Physical Activity	88.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	25.4
Children	17.1
Elderly	88.2
English Speaking	34.4
Foreign-born	97.3
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	21.5

Traffic Density	83.1
Traffic Access	60.6
Other Indices	—
Hardship	8.8
Other Decision Support	—
2016 Voting	55.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0
Healthy Places Index Score for Project Location (b)	97.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Approx. 10KSF control enclosure/building
Construction: Construction Phases	Construction Schedule from Applicant List

Construction: Off-Road Equipment	Newark PGE Upgrades Construction from Applicant PD
Construction: Trips and VMT	Updated per Traffic Identified in construction spreadsheet
Operations: Energy Use	200 kW load so 1,752,000 kWH

NRS Substation Location - HVDC Tier 4 Final (12-18-24 Update) Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	NRS Substation Location - HVDC Tier 4 Final (12-18-24 Update)
Construction Start Date	6/1/2026
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20
Precipitation (days)	25.8
Location	37.50616549232012, -121.98839557092066
County	Alameda
City	Fremont
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1894
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

User Defined Industrial	1.00	User Defined Unit	13.8	10,000	0.00	—	—	Electrical Substation no buildings

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	6.63	15.4	0.03	0.17	0.93	1.10	0.16	0.24	0.40	—	4,195	4,195	0.14	0.27	4,286
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	6.75	15.0	0.03	0.17	0.93	1.10	0.16	0.24	0.40	—	4,159	4,159	0.14	0.27	4,244
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.49	4.64	10.6	0.02	0.11	0.65	0.77	0.11	0.17	0.27	—	2,945	2,945	0.10	0.20	3,007
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.09	0.85	1.94	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	—	488	488	0.02	0.03	498

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.71	6.63	15.4	0.03	0.17	0.93	1.10	0.16	0.24	0.40	—	4,195	4,195	0.14	0.27	4,286
2027	0.69	6.42	15.2	0.03	0.16	0.93	1.09	0.15	0.24	0.39	—	4,155	4,155	0.14	0.27	4,245
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.71	6.75	15.0	0.03	0.17	0.93	1.10	0.16	0.24	0.40	—	4,159	4,159	0.14	0.27	4,244
2027	0.69	6.54	14.9	0.03	0.16	0.93	1.09	0.15	0.24	0.39	—	4,120	4,120	0.14	0.27	4,205
2028	0.66	6.37	14.8	0.03	0.15	0.93	1.08	0.14	0.24	0.38	—	4,071	4,071	0.14	0.26	4,152
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.15	1.42	3.17	0.01	0.04	0.19	0.23	0.03	0.05	0.08	—	880	880	0.03	0.06	898
2027	0.49	4.64	10.6	0.02	0.11	0.65	0.77	0.11	0.17	0.27	—	2,945	2,945	0.10	0.20	3,007
2028	0.06	0.57	1.33	< 0.005	0.01	0.08	0.10	0.01	0.02	0.03	—	367	367	0.01	0.02	374
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03	0.26	0.58	< 0.005	0.01	0.04	0.04	0.01	0.01	0.02	—	146	146	< 0.005	0.01	149
2027	0.09	0.85	1.94	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	—	488	488	0.02	0.03	498
2028	0.01	0.10	0.24	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	60.7	60.7	< 0.005	< 0.005	62.0

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.32	0.01	0.51	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	1,002	1,002	0.16	0.02	1,012
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.25	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	999	999	0.16	0.02	1,009
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.29	0.01	0.28	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	1,000	1,000	0.16	0.02	1,010
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.05	< 0.005	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	166	166	0.03	< 0.005	167

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	20.9	20.9	< 0.005	< 0.005	21.2
Area	0.31	< 0.005	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.79	1.79	< 0.005	< 0.005	1.79
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	979	979	0.16	0.02	989
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.32	0.01	0.51	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	1,002	1,002	0.16	0.02	1,012
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	19.7	19.7	< 0.005	< 0.005	20.0
Area	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	979	979	0.16	0.02	989
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.25	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	999	999	0.16	0.02	1,009

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	20.1
Area	0.28	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.88	0.88	< 0.005	< 0.005	0.89
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	979	979	0.16	0.02	989
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.29	0.01	0.28	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	1,000	1,000	0.16	0.02	1,010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	3.33
Area	0.05	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	162	162	0.03	< 0.005	164
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.05	< 0.005	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	166	166	0.03	< 0.005	167

3. Construction Emissions Details

3.1. NRS Upgrades (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.04	13.1	0.02	0.15	—	0.15	0.14	—	0.14	—	2,083	2,083	0.08	0.02	2,090
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.04	13.1	0.02	0.15	—	0.15	0.14	—	0.14	—	2,083	2,083	0.08	0.02	2,090
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.06	2.76	< 0.005	0.03	—	0.03	0.03	—	0.03	—	440	440	0.02	< 0.005	442
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.50	< 0.005	0.01	—	0.01	0.01	—	0.01	—	72.9	72.9	< 0.005	< 0.005	73.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.81	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	483	483	< 0.005	0.02	489
Vendor	0.03	1.50	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,628	1,628	0.05	0.24	1,706
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.13	1.40	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	447	447	< 0.005	0.02	452
Vendor	0.03	1.59	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,629	1,629	0.05	0.24	1,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.30	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	95.2	95.2	< 0.005	< 0.005	96.4

Vendor	0.01	0.33	0.11	< 0.005	0.01	0.09	0.10	0.01	0.03	0.03	—	344	344	0.01	0.05	360
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	16.0
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	57.0	57.0	< 0.005	0.01	59.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.3. NRS Upgrades (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	4.91	13.1	0.02	0.14	—	0.14	0.13	—	0.13	—	2,085	2,085	0.08	0.02	2,092
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	4.91	13.1	0.02	0.14	—	0.14	0.13	—	0.13	—	2,085	2,085	0.08	0.02	2,092
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	3.51	9.33	0.01	0.10	—	0.10	0.09	—	0.09	—	1,489	1,489	0.06	0.01	1,494
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.64	1.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	247	247	0.01	< 0.005	247
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.08	1.68	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	474	474	< 0.005	0.02	480
Vendor	0.03	1.43	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,673
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.11	1.32	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	439	439	< 0.005	0.02	444
Vendor	0.03	1.52	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,669
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.07	0.95	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	316	316	< 0.005	0.01	320
Vendor	0.02	1.06	0.36	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,140	1,140	0.04	0.17	1,193
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	52.3	52.3	< 0.005	< 0.005	52.9
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	189	189	0.01	0.03	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. NRS Upgrades (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	4.83	13.0	0.02	0.12	—	0.12	0.11	—	0.11	—	2,082	2,082	0.08	0.02	2,089
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.43	1.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	187	187	0.01	< 0.005	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.0	31.0	< 0.005	< 0.005	31.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.10	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	431	431	< 0.005	0.02	436
Vendor	0.03	1.44	0.48	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,558	1,558	0.05	0.23	1,627
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.1	39.1	< 0.005	< 0.005	39.6

Vendor	< 0.005	0.13	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	140	140	< 0.005	0.02	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.47	6.47	< 0.005	< 0.005	6.55
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	24.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	979	979	0.16	0.02	989
Total	—	—	—	—	—	—	—	—	—	—	—	979	979	0.16	0.02	989
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	979	979	0.16	0.02	989

Total	—	—	—	—	—	—	—	—	—	—	—	979	979	0.16	0.02	989
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	162	162	0.03	< 0.005	164
Total	—	—	—	—	—	—	—	—	—	—	—	162	162	0.03	< 0.005	164

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	< 0.005	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.79	1.79	< 0.005	< 0.005	1.79
Total	0.31	< 0.005	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.79	1.79	< 0.005	< 0.005	1.79
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	0.01	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15
Total	0.05	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
NRS Upgrades	Building Construction	9/15/2026	2/15/2028	5.00	371	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
NRS Upgrades	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	5.00	275	0.27
NRS Upgrades	Excavators	Diesel	Tier 4 Final	1.00	5.00	70.0	0.27
NRS Upgrades	Bore/Drill Rigs	Diesel	Average	2.00	10.0	125	0.25
NRS Upgrades	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	10.0	130	0.24
NRS Upgrades	Welders	Diesel	Average	2.00	2.00	395	0.23

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
NRS Upgrades	—	—	—	—
NRS Upgrades	Worker	15.0	45.0	LDA,LDT1,LDT2
NRS Upgrades	Vendor	12.0	45.0	HHDT,MHDT
NRS Upgrades	Hauling	0.00	45.0	HHDT
NRS Upgrades	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
User Defined Industrial	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2028	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Total all Land Uses	2.74	2.74	2.74	1,000	27.4	27.4	27.4	10,000

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	15,000	5,000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
User Defined Industrial	1,752,000	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
User Defined Industrial	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.2	annual days of extreme heat
Extreme Precipitation	3.25	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	13.7
AQ-PM	24.0
AQ-DPM	92.7
Drinking Water	10.2
Lead Risk Housing	5.14
Pesticides	5.17
Toxic Releases	50.8
Traffic	87.3
Effect Indicators	—
CleanUp Sites	99.9
Groundwater	95.4

Haz Waste Facilities/Generators	99.5
Impaired Water Bodies	33.2
Solid Waste	93.0
Sensitive Population	—
Asthma	25.4
Cardio-vascular	40.4
Low Birth Weights	70.6
Socioeconomic Factor Indicators	—
Education	20.9
Housing	2.79
Linguistic	53.9
Poverty	3.54
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	98.24201206
Employed	82.72808931
Median HI	97.34377005
Education	—
Bachelor's or higher	97.47209034
High school enrollment	100
Preschool enrollment	67.21416656
Transportation	—
Auto Access	76.73553189
Active commuting	55.34453997

Social	—
2-parent households	98.75529321
Voting	51.93122033
Neighborhood	—
Alcohol availability	69.39561145
Park access	32.96548184
Retail density	79.5970743
Supermarket access	40.89567561
Tree canopy	51.64891569
Housing	—
Homeownership	77.96740665
Housing habitability	96.39419992
Low-inc homeowner severe housing cost burden	94.99550879
Low-inc renter severe housing cost burden	93.13486462
Uncrowded housing	63.4800462
Health Outcomes	—
Insured adults	91.18439625
Arthritis	98.6
Asthma ER Admissions	74.4
High Blood Pressure	98.4
Cancer (excluding skin)	94.8
Asthma	99.9
Coronary Heart Disease	99.1
Chronic Obstructive Pulmonary Disease	99.7
Diagnosed Diabetes	96.7
Life Expectancy at Birth	78.5
Cognitively Disabled	66.4
Physically Disabled	87.9

Heart Attack ER Admissions	65.2
Mental Health Not Good	99.6
Chronic Kidney Disease	98.6
Obesity	99.9
Pedestrian Injuries	90.9
Physical Health Not Good	99.5
Stroke	99.1
Health Risk Behaviors	—
Binge Drinking	93.5
Current Smoker	98.5
No Leisure Time for Physical Activity	88.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	25.4
Children	17.1
Elderly	88.2
English Speaking	34.4
Foreign-born	97.3
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	21.5
Traffic Density	83.1
Traffic Access	60.6
Other Indices	—
Hardship	8.8
Other Decision Support	—
2016 Voting	55.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0
Healthy Places Index Score for Project Location (b)	97.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Approx. 10KSF control enclosure/building
Construction: Construction Phases	Construction Schedule from Applicant List
Construction: Off-Road Equipment	NRS Upgrades Construction from Applicant PD
Construction: Trips and VMT	Updated per Traffic Identified in construction spreadsheet
Operations: Energy Use	200 kW load so 1,752,000 kWH

Newark - NRS Transmission Line Work (12-18-24) Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Newark - NRS Transmission Line Work (12-18-24)
Construction Start Date	6/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.43227346021219, -121.9649371427572
County	Santa Clara
City	San Jose
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1796
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
User Defined Linear	14.0	Mile	17.0	0.00	0.00	—	—	Transmission Lines (UnderGround)

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.14	87.8	209	0.60	2.77	19.9	22.7	2.63	6.31	8.94	—	75,312	75,312	3.08	4.74	76,890
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.43	58.6	118	0.40	1.40	11.4	12.8	1.34	2.99	4.34	—	53,028	53,028	2.20	4.45	54,412
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.10	33.3	70.9	0.22	0.97	6.76	7.72	0.92	2.00	2.91	—	28,196	28,196	1.16	2.00	28,838
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.56	6.08	12.9	0.04	0.18	1.23	1.41	0.17	0.36	0.53	—	4,668	4,668	0.19	0.33	4,775

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	9.14	87.8	209	0.60	2.77	19.9	22.7	2.63	6.31	8.94	—	75,312	75,312	3.08	4.74	76,890

2027	1.87	27.8	61.3	0.23	0.57	7.60	8.16	0.56	2.00	2.56	—	31,056	31,056	1.30	2.95	32,019
2028	0.32	6.73	11.8	0.02	0.04	0.86	0.90	0.03	0.21	0.25	—	2,768	2,768	0.09	0.12	2,811
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.43	58.6	118	0.40	1.40	11.4	12.8	1.34	2.99	4.34	—	53,028	53,028	2.20	4.45	54,412
2027	4.38	55.6	116	0.40	1.36	11.4	12.7	1.30	2.99	4.30	—	52,381	52,381	2.19	4.45	53,763
2028	0.44	9.67	15.7	0.04	0.07	1.57	1.64	0.06	0.40	0.45	—	5,002	5,002	0.18	0.39	5,122
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.10	33.3	70.9	0.22	0.97	6.76	7.72	0.92	2.00	2.91	—	28,196	28,196	1.16	2.00	28,838
2027	1.35	20.5	39.6	0.15	0.41	5.02	5.43	0.40	1.32	1.72	—	20,345	20,345	0.85	1.94	20,958
2028	0.24	5.10	8.46	0.02	0.03	0.70	0.73	0.03	0.17	0.20	—	2,253	2,253	0.08	0.14	2,299
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.56	6.08	12.9	0.04	0.18	1.23	1.41	0.17	0.36	0.53	—	4,668	4,668	0.19	0.33	4,775
2027	0.25	3.75	7.22	0.03	0.08	0.92	0.99	0.07	0.24	0.31	—	3,368	3,368	0.14	0.32	3,470
2028	0.04	0.93	1.54	< 0.005	0.01	0.13	0.13	< 0.005	0.03	0.04	—	373	373	0.01	0.02	381

3. Construction Emissions Details

3.1. HVDC Cable Install (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.28	3.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	478	478	0.02	< 0.005	479

Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.28	3.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	478	478	0.02	< 0.005	479
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.46	1.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	172	172	0.01	< 0.005	172
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.4	28.4	< 0.005	< 0.005	28.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.05	0.96	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	250	250	< 0.005	0.01	254
Vendor	0.03	1.52	0.64	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,616	1,616	0.08	0.24	1,693
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.06	0.73	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	231	231	< 0.005	0.01	234
Vendor	0.03	1.60	0.65	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,616	1,616	0.08	0.24	1,690
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.27	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	84.1	84.1	< 0.005	< 0.005	85.2
Vendor	0.01	0.56	0.23	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	581	581	0.03	0.09	608
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.9	13.9	< 0.005	< 0.005	14.1
Vendor	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.1	96.1	< 0.005	0.01	101
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.3. HVDC Cable Install (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.28	3.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	477	477	0.02	< 0.005	479
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.23	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	84.0	84.0	< 0.005	< 0.005	84.3
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.9	13.9	< 0.005	< 0.005	14.0
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.06	0.69	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	227	227	< 0.005	0.01	230
Vendor	0.03	1.51	0.61	0.01	0.02	0.45	0.48	0.01	0.13	0.14	—	1,576	1,576	0.06	0.23	1,646
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.12	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	40.5	40.5	< 0.005	< 0.005	41.0
Vendor	0.01	0.26	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	278	278	0.01	0.04	290
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.71	6.71	< 0.005	< 0.005	6.79
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	46.0	46.0	< 0.005	0.01	48.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. HVDC Survey / Potholing (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.42	14.2	0.03	0.05	—	0.05	0.05	—	0.05	—	2,874	2,874	0.12	0.02	2,883
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.27	1.42	14.2	0.03	0.05	—	0.05	0.05	—	0.05	—	2,874	2,874	0.12	0.02	2,883
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.71	7.13	0.01	0.03	—	0.03	0.03	—	0.03	—	1,444	1,444	0.06	0.01	1,449
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.13	1.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	239	239	0.01	< 0.005	240
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.09	1.80	0.00	0.00	0.45	0.45	0.00	0.10	0.10	—	446	446	< 0.005	0.01	452
Vendor	0.02	1.07	0.45	0.01	0.02	0.30	0.32	0.02	0.08	0.10	—	1,100	1,100	0.05	0.16	1,152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.12	1.37	0.00	0.00	0.45	0.45	0.00	0.10	0.10	—	413	413	< 0.005	0.02	417
Vendor	0.02	1.14	0.45	0.01	0.02	0.30	0.32	0.02	0.08	0.10	—	1,100	1,100	0.05	0.16	1,149
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.05	0.71	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	210	210	< 0.005	0.01	212
Vendor	0.01	0.56	0.23	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	553	553	0.03	0.08	578
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34.7	34.7	< 0.005	< 0.005	35.1
Vendor	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	91.5	91.5	< 0.005	0.01	95.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.7. HVDC Survey / Potholing (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.42	14.2	0.03	0.05	—	0.05	0.05	—	0.05	—	2,876	2,876	0.12	0.02	2,886
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.15	1.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	311	311	0.01	< 0.005	312
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.03	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.4	51.4	< 0.005	< 0.005	51.6
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.11	1.28	0.00	0.00	0.45	0.45	0.00	0.10	0.10	—	405	405	< 0.005	0.01	410
Vendor	0.02	1.06	0.43	0.01	0.02	0.30	0.32	0.02	0.08	0.10	—	1,078	1,078	0.05	0.16	1,127
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.14	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.3	44.3	< 0.005	< 0.005	44.8
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	116	116	0.01	0.02	122

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.33	7.33	< 0.005	< 0.005	7.42
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.3	19.3	< 0.005	< 0.005	20.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.9. Transmission Line Construction - Crossings (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	4.32	31.2	0.06	0.12	—	0.12	0.12	—	0.12	—	6,234	6,234	0.25	0.05	6,256
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	4.32	31.2	0.06	0.12	—	0.12	0.12	—	0.12	—	6,234	6,234	0.25	0.05	6,256
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.22	1.55	11.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,240	2,240	0.09	0.02	2,248
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.28	2.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	371	371	0.02	< 0.005	372
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.05	0.90	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	223	223	< 0.005	0.01	226
Vendor	0.05	2.64	1.12	0.02	0.04	0.74	0.78	0.04	0.21	0.24	—	2,714	2,714	0.12	0.40	2,842
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.06	0.69	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	206	206	< 0.005	0.01	209
Vendor	0.05	2.81	1.10	0.02	0.04	0.74	0.78	0.04	0.21	0.24	—	2,714	2,714	0.12	0.40	2,835
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.25	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	75.0	75.0	< 0.005	< 0.005	75.9
Vendor	0.02	0.99	0.40	0.01	0.01	0.26	0.28	0.01	0.07	0.09	—	975	975	0.04	0.14	1,020

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.4	12.4	< 0.005	< 0.005	12.6
Vendor	< 0.005	0.18	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	161	161	0.01	0.02	169
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.11. Transmission Line Construction - Crossings (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	4.26	31.2	0.06	0.12	—	0.12	0.12	—	0.12	—	6,234	6,234	0.25	0.05	6,255
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	4.26	31.2	0.06	0.12	—	0.12	0.12	—	0.12	—	6,234	6,234	0.25	0.05	6,255
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.28	1.96	14.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,869	2,869	0.12	0.02	2,879
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.36	2.62	< 0.005	0.01	—	0.01	0.01	—	0.01	—	475	475	0.02	< 0.005	477
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.05	0.84	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	219	219	< 0.005	0.01	222
Vendor	0.05	2.50	1.06	0.02	0.04	0.74	0.78	0.04	0.21	0.24	—	2,658	2,658	0.12	0.39	2,785
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.05	0.64	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	203	203	< 0.005	0.01	205
Vendor	0.05	2.63	1.06	0.02	0.04	0.74	0.78	0.04	0.21	0.24	—	2,658	2,658	0.12	0.40	2,779
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.30	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	94.3	94.3	< 0.005	< 0.005	95.5
Vendor	0.02	1.19	0.49	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,224	1,224	0.06	0.18	1,280

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.6	15.6	< 0.005	< 0.005	15.8
Vendor	< 0.005	0.22	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	203	203	0.01	0.03	212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.13. HVDC and HVAC - Vaults (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	2.80	11.6	0.02	0.09	—	0.09	0.08	—	0.08	—	2,565	2,565	0.10	0.02	2,574
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	2.80	11.6	0.02	0.09	—	0.09	0.08	—	0.08	—	2,565	2,565	0.10	0.02	2,574
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.15	1.21	5.00	0.01	0.04	—	0.04	0.04	—	0.04	—	1,108	1,108	0.04	0.01	1,112
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	0.91	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.01	< 0.005	184
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.10	2.05	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	510	510	< 0.005	0.02	517
Vendor	0.10	5.35	2.26	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,501	5,501	0.25	0.80	5,760
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.14	1.57	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	471	471	< 0.005	0.02	477
Vendor	0.10	5.68	2.24	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,501	5,501	0.25	0.80	5,747
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.05	0.69	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	206	206	< 0.005	0.01	209
Vendor	0.04	2.40	0.98	0.02	0.03	0.64	0.68	0.03	0.18	0.21	—	2,377	2,377	0.11	0.35	2,485

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34.1	34.1	< 0.005	< 0.005	34.5
Vendor	0.01	0.44	0.18	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	394	394	0.02	0.06	411
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.15. HVDC and HVAC - Vaults (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	2.71	11.5	0.02	0.08	—	0.08	0.08	—	0.08	—	2,564	2,564	0.10	0.02	2,573
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	90.3	90.3	< 0.005	< 0.005	90.6
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.0	15.0	< 0.005	< 0.005	15.0
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.12	1.46	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	463	463	< 0.005	0.02	468
Vendor	0.10	5.32	2.15	0.04	0.08	1.51	1.59	0.08	0.42	0.50	—	5,388	5,388	0.25	0.80	5,633
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.5	16.5	< 0.005	< 0.005	16.7
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	190	190	0.01	0.03	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.73	2.73	< 0.005	< 0.005	2.76
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.4	31.4	< 0.005	< 0.005	32.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.17. HVDC and HVAC - Duct Bank and Restoration (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.47	13.9	0.03	0.18	—	0.18	0.17	—	0.17	—	3,719	3,719	0.15	0.03	3,732
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.47	13.9	0.03	0.18	—	0.18	0.17	—	0.17	—	3,719	3,719	0.15	0.03	3,732
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.37	6.00	0.01	0.08	—	0.08	0.07	—	0.07	—	1,607	1,607	0.07	0.01	1,613
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.43	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	266	266	0.01	< 0.005	267

Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.43	8.48	0.00	0.00	2.10	2.10	0.00	0.49	0.49	—	2,103	2,103	0.01	0.07	2,132
Vendor	0.29	16.0	6.78	0.12	0.24	4.53	4.77	0.24	1.25	1.49	—	16,502	16,502	0.76	2.40	17,279
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.57	6.46	0.00	0.00	2.10	2.10	0.00	0.49	0.49	—	1,945	1,945	0.01	0.07	1,967
Vendor	0.29	17.1	6.71	0.12	0.24	4.53	4.77	0.24	1.25	1.49	—	16,504	16,504	0.76	2.40	17,240
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.22	2.86	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	850	850	0.01	0.03	860
Vendor	0.12	7.20	2.94	0.05	0.10	1.93	2.03	0.10	0.53	0.64	—	7,131	7,131	0.33	1.04	7,456
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	141	141	< 0.005	< 0.005	142
Vendor	0.02	1.31	0.54	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	1,181	1,181	0.05	0.17	1,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.19. HVDC and HVAC - Duct Bank and Restoration (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.31	13.9	0.03	0.17	—	0.17	0.16	—	0.16	—	3,719	3,719	0.15	0.03	3,731
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.31	13.9	0.03	0.17	—	0.17	0.16	—	0.16	—	3,719	3,719	0.15	0.03	3,731
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.22	8.42	0.02	0.10	—	0.10	0.10	—	0.10	—	2,253	2,253	0.09	0.02	2,261
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.59	1.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	373	373	0.02	< 0.005	374
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.43	7.93	0.00	0.00	2.10	2.10	0.00	0.49	0.49	—	2,065	2,065	0.01	0.07	2,093
Vendor	0.29	15.2	6.41	0.12	0.24	4.53	4.77	0.24	1.25	1.49	—	16,163	16,163	0.76	2.40	16,933
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.50	6.03	0.00	0.00	2.10	2.10	0.00	0.49	0.49	—	1,909	1,909	0.01	0.07	1,931
Vendor	0.29	16.0	6.46	0.12	0.24	4.53	4.77	0.24	1.25	1.49	—	16,165	16,165	0.76	2.40	16,900
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.30	3.76	0.00	0.00	1.25	1.25	0.00	0.29	0.29	—	1,170	1,170	0.01	0.04	1,185
Vendor	0.17	9.51	3.90	0.07	0.14	2.70	2.85	0.14	0.75	0.89	—	9,793	9,793	0.46	1.46	10,248
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.06	0.69	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	194	194	< 0.005	0.01	196
Vendor	0.03	1.74	0.71	0.01	0.03	0.49	0.52	0.03	0.14	0.16	—	1,621	1,621	0.08	0.24	1,697
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.21. Overhead Transmission Line Construction - Clearing ROW Access (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.93	20.9	20.6	0.07	0.88	—	0.88	0.81	—	0.81	—	7,835	7,835	0.32	0.06	7,862
Dust From Material Movement	—	—	—	—	—	1.19	1.19	—	0.13	0.13	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	5.27	5.19	0.02	0.22	—	0.22	0.20	—	0.20	—	1,975	1,975	0.08	0.02	1,982
Dust From Material Movement	—	—	—	—	—	0.30	0.30	—	0.03	0.03	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.96	0.95	< 0.005	0.04	—	0.04	0.04	—	0.04	—	327	327	0.01	< 0.005	328
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.05	0.90	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	223	223	< 0.005	0.01	226
Vendor	0.01	0.78	0.33	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	796	796	0.04	0.12	833
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	52.6	52.6	< 0.005	< 0.005	53.2
Vendor	< 0.005	0.20	0.08	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	201	201	0.01	0.03	210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.71	8.71	< 0.005	< 0.005	8.81
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.2	33.2	< 0.005	< 0.005	34.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.23. Overhead Transmission Line Construction Foundation/Structures/WIre (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64	14.1	24.2	0.05	0.55	—	0.55	0.50	—	0.50	—	5,795	5,795	0.24	0.05	5,814

Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64	14.1	24.2	0.05	0.55	—	0.55	0.50	—	0.50	—	5,795	5,795	0.24	0.05	5,814
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	7.07	12.2	0.03	0.27	—	0.27	0.25	—	0.25	—	2,912	2,912	0.12	0.02	2,922
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.29	2.22	< 0.005	0.05	—	0.05	0.05	—	0.05	—	482	482	0.02	< 0.005	484
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	1.03	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	255	255	< 0.005	0.01	258
Vendor	0.05	2.67	1.13	0.02	0.04	0.75	0.79	0.04	0.21	0.25	—	2,750	2,750	0.13	0.40	2,880
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.07	0.78	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	236	236	< 0.005	0.01	238
Vendor	0.05	2.84	1.12	0.02	0.04	0.75	0.79	0.04	0.21	0.25	—	2,751	2,751	0.13	0.40	2,873
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.03	0.40	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	120	120	< 0.005	< 0.005	121
Vendor	0.02	1.40	0.57	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,382	1,382	0.06	0.20	1,445
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	19.8	19.8	< 0.005	< 0.005	20.1
Vendor	< 0.005	0.25	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	229	229	0.01	0.03	239
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.25. Overhead Transmission Line Construction Foundation/Structures/WIre (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	13.4	24.2	0.05	0.51	—	0.51	0.48	—	0.48	—	5,794	5,794	0.24	0.05	5,814
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.45	2.61	0.01	0.06	—	0.06	0.05	—	0.05	—	626	626	0.03	0.01	628
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.27	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	104	104	< 0.005	< 0.005	104
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.06	0.73	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	231	231	< 0.005	0.01	234
Vendor	0.05	2.66	1.08	0.02	0.04	0.75	0.79	0.04	0.21	0.25	—	2,694	2,694	0.13	0.40	2,817
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.3	25.3	< 0.005	< 0.005	25.6
Vendor	0.01	0.28	0.12	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	291	291	0.01	0.04	305
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.19	4.19	< 0.005	< 0.005	4.24
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	48.2	48.2	< 0.005	0.01	50.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.27. Commissioning and Testing (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	5.92	9.22	0.02	0.03	—	0.03	0.03	—	0.03	—	1,375	1,375	0.06	0.01	1,380
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.85	1.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	197	197	0.01	< 0.005	198
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.15	0.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.6	32.6	< 0.005	< 0.005	32.7
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.15	1.83	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	579	579	< 0.005	0.02	585
Vendor	0.01	0.79	0.32	0.01	0.01	0.22	0.24	0.01	0.06	0.07	—	798	798	0.04	0.12	834
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.27	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	83.8	83.8	< 0.005	< 0.005	84.9
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	114	114	0.01	0.02	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.9	13.9	< 0.005	< 0.005	14.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.9	18.9	< 0.005	< 0.005	19.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.29. Commissioning and Testing (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	5.92	9.22	0.02	0.03	—	0.03	0.03	—	0.03	—	1,375	1,375	0.06	0.01	1,380
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	5.92	9.22	0.02	0.03	—	0.03	0.03	—	0.03	—	1,375	1,375	0.06	0.01	1,380
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.16	4.01	6.26	0.01	0.02	—	0.02	0.02	—	0.02	—	933	933	0.04	0.01	936
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.73	1.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	155
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.11	2.26	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	615	615	< 0.005	< 0.005	617
Vendor	0.01	0.70	0.30	0.01	0.01	0.22	0.24	0.01	0.06	0.07	—	778	778	0.03	0.11	814
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.15	1.72	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	569	569	< 0.005	0.02	575
Vendor	0.01	0.75	0.30	0.01	0.01	0.22	0.24	0.01	0.06	0.07	—	778	778	0.03	0.11	812
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.09	1.20	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	390	390	< 0.005	0.01	395
Vendor	0.01	0.50	0.20	< 0.005	0.01	0.15	0.16	< 0.005	0.04	0.05	—	528	528	0.02	0.08	552

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.22	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	64.6	64.6	< 0.005	< 0.005	65.4
Vendor	< 0.005	0.09	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	87.4	87.4	< 0.005	0.01	91.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.31. Road Work, Site and Staging Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	9.53	65.8	0.12	0.49	—	0.49	0.47	—	0.47	—	13,167	13,167	0.53	0.11	13,212
Dust From Material Movement	—	—	—	—	—	6.93	6.93	—	3.08	3.08	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	2.01	13.9	0.03	0.10	—	0.10	0.10	—	0.10	—	2,778	2,778	0.11	0.02	2,787
Dust From Material Movement	—	—	—	—	—	1.46	1.46	—	0.65	0.65	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.37	2.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	460	460	0.02	< 0.005	461
Dust From Material Movement	—	—	—	—	—	0.27	0.27	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
HVDC Cable Install	Linear, Drainage, Utilities, & Sub-Grade	8/1/2027	3/15/2028	6.00	195	—
HVDC Survey / Potholing	Linear, Drainage, Utilities, & Sub-Grade	6/1/2026	2/15/2027	6.00	223	—
Transmission Line Construction - Crossings	Linear, Drainage, Utilities, & Sub-Grade	8/1/2026	7/15/2027	6.00	299	—
HVDC and HVAC - Vaults	Linear, Drainage, Utilities, & Sub-Grade	7/1/2026	1/15/2027	6.00	171	—
HVDC and HVAC - Duct Bank and Restoration	Linear, Drainage, Utilities, & Sub-Grade	7/1/2026	9/15/2027	6.00	379	—
Overhead Transmission Line Construction - Clearing ROW Access	Linear, Drainage, Utilities, & Sub-Grade	6/1/2026	9/15/2026	6.00	92.0	—
Overhead Transmission Line Construction Foundation/Structures/Wire	Linear, Drainage, Utilities, & Sub-Grade	6/1/2026	2/15/2027	6.00	223	—
Commissioning and Testing	Linear, Drainage, Utilities, & Sub-Grade	11/1/2027	10/15/2028	6.00	300	—
Road Work, Site and Staging Preparation	Linear, Drainage, Utilities, & Sub-Grade	6/1/2026	9/15/2026	5.00	77.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
HVDC Cable Install	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	6.00	70.0	0.23

HVDC Cable Install	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	6.00	82.0	0.15
HVDC Cable Install	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	3.00	300	0.08
HVDC Survey / Potholing	Off-Highway Tractors	Diesel	Tier 4 Final	2.00	8.00	525	0.29
Transmission Line Construction - Crossings	Excavators	Diesel	Tier 4 Final	2.00	6.00	275	0.30
Transmission Line Construction - Crossings	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	68.0	0.26
Transmission Line Construction - Crossings	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	6.00	415	0.30
Transmission Line Construction - Crossings	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	6.00	300	0.30
Transmission Line Construction - Crossings	Bore/Drill Rigs	Diesel	Average	1.00	6.00	67.0	0.03
HVDC and HVAC - Vaults	Excavators	Diesel	Tier 4 Final	1.00	6.00	275	0.30
HVDC and HVAC - Vaults	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	68.0	0.26
HVDC and HVAC - Vaults	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	275	0.26
HVDC and HVAC - Vaults	Cranes	Diesel	Tier 4 Final	2.00	2.00	260	0.04
HVDC and HVAC - Vaults	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	3.00	415	0.30
HVDC and HVAC - Vaults	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	4.00	300	0.30
HVDC and HVAC - Duct Bank and Restoration	Excavators	Diesel	Average	1.00	6.00	275	0.30

HVDC and HVAC - Duct Bank and Restoration	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	68.0	0.26
HVDC and HVAC - Duct Bank and Restoration	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	275	0.26
HVDC and HVAC - Duct Bank and Restoration	Pavers	Diesel	Average	1.00	2.00	235	0.38
HVDC and HVAC - Duct Bank and Restoration	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	4.00	415	0.36
HVDC and HVAC - Duct Bank and Restoration	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	4.00	300	0.30
HVDC and HVAC - Duct Bank and Restoration	Rollers	Diesel	Average	1.00	3.00	405	0.34
Overhead Transmission Line Construction - Clearing ROW Access	Off-Highway Tractors	Diesel	Tier 4 Final	1.00	8.00	525	0.05
Overhead Transmission Line Construction - Clearing ROW Access	Off-Highway Trucks	Diesel	Average	2.00	10.0	300	0.36
Overhead Transmission Line Construction - Clearing ROW Access	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	275	0.30
Overhead Transmission Line Construction - Clearing ROW Access	Off-Highway Trucks	Diesel	Average	3.00	5.00	415	0.30
Overhead Transmission Line Construction - Clearing ROW Access	Graders	Diesel	Average	1.00	8.00	250	0.33

Overhead Transmission Line Construction - Clearing ROW Access	Tractors/Loaders/Back	Diesel	Average	1.00	5.00	70.0	0.30
Overhead Transmission Line Construction - Clearing ROW Access	Skid Steer Loaders	Diesel	Average	2.00	4.00	74.3	0.30
Overhead Transmission Line Construction - Clearing ROW Access	Scrapers	Diesel	Average	1.00	5.00	407	0.43
Overhead Transmission Line Construction Foundation/Structures/Wire	Cranes	Diesel	Average	6.00	4.00	367	0.23
Overhead Transmission Line Construction Foundation/Structures/Wire	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	250	0.23
Overhead Transmission Line Construction Foundation/Structures/Wire	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	125	0.30
Overhead Transmission Line Construction Foundation/Structures/Wire	Cranes	Diesel	Tier 4 Final	2.00	8.00	260	0.06
Overhead Transmission Line Construction Foundation/Structures/Wire	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	3.00	415	0.19
Overhead Transmission Line Construction Foundation/Structures/Wire	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	4.00	300	0.38
Overhead Transmission Line Construction Foundation/Structures/Wire	Cranes	Diesel	Average	1.00	4.00	400	0.23

Overhead Transmission Line Construction Foundation/Structures/Wire	Air Compressors	Diesel	Average	1.00	6.00	60.0	0.36
Overhead Transmission Line Construction Foundation/Structures/Wire	Off-Highway Trucks	Diesel	Average	2.00	3.00	300	0.10
Overhead Transmission Line Construction Foundation/Structures/Wire	Bore/Drill Rigs	Diesel	Average	1.00	6.00	82.0	0.30
Overhead Transmission Line Construction Foundation/Structures/Wire	Skid Steer Loaders	Diesel	Average	2.00	4.00	74.3	0.30
Commissioning and Testing	Generator Sets	Diesel	Tier 4 Final	2.00	10.0	45.0	0.74
Commissioning and Testing	Aerial Lifts	Diesel	Average	3.00	8.00	49.0	0.22
Commissioning and Testing	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	5.00	130	0.23
Commissioning and Testing	Forklifts	Diesel	Tier 4 Final	1.00	5.00	49.0	0.12
Road Work, Site and Staging Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	10.0	300	0.36
Road Work, Site and Staging Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	275	0.30
Road Work, Site and Staging Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	6.00	5.00	415	0.30
Road Work, Site and Staging Preparation	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.30
Road Work, Site and Staging Preparation	Rollers	Diesel	Tier 4 Final	2.00	8.00	405	0.30
Road Work, Site and Staging Preparation	Off-Highway Tractors	Diesel	Tier 4 Final	1.00	9.00	640	0.02

Road Work, Site and Staging Preparation	Skid Steer Loaders	Diesel	Average	1.00	4.00	74.3	0.30
Road Work, Site and Staging Preparation	Off-Highway Tractors	Diesel	Tier 4 Final	1.00	8.00	525	0.05
Road Work, Site and Staging Preparation	Scrapers	Diesel	Tier 4 Final	1.00	5.00	407	0.43
Road Work, Site and Staging Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	7.00	170	0.12
Road Work, Site and Staging Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	5.00	70.0	0.30

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
HVDC Cable Install	—	—	—	—
HVDC Cable Install	Worker	8.00	45.0	LDA,LDT1,LDT2
HVDC Cable Install	Vendor	12.0	45.0	HHDT,MHDT
HVDC Cable Install	Hauling	0.00	20.0	HHDT
HVDC Cable Install	Onsite truck	—	—	HHDT
HVDC Survey / Potholing	—	—	—	—
HVDC Survey / Potholing	Worker	14.0	45.0	LDA,LDT1,LDT2
HVDC Survey / Potholing	Vendor	8.00	45.0	HHDT,MHDT
HVDC Survey / Potholing	Hauling	0.00	20.0	HHDT
HVDC Survey / Potholing	Onsite truck	—	—	HHDT
Transmission Line Construction - Crossings	—	—	—	—
Transmission Line Construction - Crossings	Worker	7.00	45.0	LDA,LDT1,LDT2
Transmission Line Construction - Crossings	Vendor	20.0	44.4	HHDT,MHDT

Transmission Line Construction - Crossings	Hauling	0.00	20.0	HHDT
Transmission Line Construction - Crossings	Onsite truck	—	—	HHDT
HVDC and HVAC - Vaults	—	—	—	—
HVDC and HVAC - Vaults	Worker	16.0	45.0	LDA,LDT1,LDT2
HVDC and HVAC - Vaults	Vendor	40.0	45.0	HHDT,MHDT
HVDC and HVAC - Vaults	Hauling	0.00	20.0	HHDT
HVDC and HVAC - Vaults	Onsite truck	—	—	HHDT
HVDC and HVAC - Duct Bank and Restoration	—	—	—	—
HVDC and HVAC - Duct Bank and Restoration	Worker	66.0	45.0	LDA,LDT1,LDT2
HVDC and HVAC - Duct Bank and Restoration	Vendor	120	45.0	HHDT,MHDT
HVDC and HVAC - Duct Bank and Restoration	Hauling	0.00	20.0	HHDT
HVDC and HVAC - Duct Bank and Restoration	Onsite truck	—	—	HHDT
Overhead Transmission Line Construction - Clearing ROW Access	—	—	—	—
Overhead Transmission Line Construction - Clearing ROW Access	Worker	7.00	45.0	LDA,LDT1,LDT2
Overhead Transmission Line Construction - Clearing ROW Access	Vendor	6.00	43.4	HHDT,MHDT
Overhead Transmission Line Construction - Clearing ROW Access	Hauling	0.00	20.0	HHDT
Overhead Transmission Line Construction - Clearing ROW Access	Onsite truck	—	—	HHDT

Overhead Transmission Line Construction Foundation/Structures/WIre	—	—	—	—
Overhead Transmission Line Construction Foundation/Structures/WIre	Worker	8.00	45.0	LDA,LDT1,LDT2
Overhead Transmission Line Construction Foundation/Structures/WIre	Vendor	20.0	45.0	HHDT,MHDT
Overhead Transmission Line Construction Foundation/Structures/WIre	Hauling	0.00	20.0	HHDT
Overhead Transmission Line Construction Foundation/Structures/WIre	Onsite truck	—	—	HHDT
Commissioning and Testing	—	—	—	—
Commissioning and Testing	Worker	20.0	45.0	LDA,LDT1,LDT2
Commissioning and Testing	Vendor	6.00	44.4	HHDT,MHDT
Commissioning and Testing	Hauling	0.00	20.0	HHDT
Commissioning and Testing	Onsite truck	—	—	HHDT
Road Work, Site and Staging Preparation	—	—	—	—
Road Work, Site and Staging Preparation	Worker	0.00	11.7	LDA,LDT1,LDT2
Road Work, Site and Staging Preparation	Vendor	0.00	8.40	HHDT,MHDT
Road Work, Site and Staging Preparation	Hauling	0.00	20.0	HHDT
Road Work, Site and Staging Preparation	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
HVDC Cable Install	—	—	17.0	0.00	—
HVDC Survey / Potholing	—	—	17.0	0.00	—
Transmission Line Construction - Crossings	—	—	17.0	0.00	—
HVDC and HVAC - Vaults	—	—	17.0	0.00	—
HVDC and HVAC - Duct Bank and Restoration	—	—	17.0	0.00	—
Overhead Transmission Line Construction - Clearing ROW Access	—	—	17.0	0.00	—
Overhead Transmission Line Construction Foundation/Structures/WIre	—	—	17.0	0.00	—
Commissioning and Testing	—	—	17.0	0.00	—
Road Work, Site and Staging Preparation	—	—	17.0	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt

User Defined Linear	17.0	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2028	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.2	annual days of extreme heat
Extreme Precipitation	2.50	annual days with precipitation above 20 mm
Sea Level Rise	2.62	meters of inundation depth
Wildfire	10.5	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	2	1	1	3
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	15.0
AQ-PM	19.4

AQ-DPM	29.0
Drinking Water	39.0
Lead Risk Housing	50.6
Pesticides	0.00
Toxic Releases	30.3
Traffic	94.1
Effect Indicators	—
CleanUp Sites	99.4
Groundwater	94.2
Haz Waste Facilities/Generators	93.2
Impaired Water Bodies	91.9
Solid Waste	100.0
Sensitive Population	—
Asthma	38.0
Cardio-vascular	40.0
Low Birth Weights	98.8
Socioeconomic Factor Indicators	—
Education	73.4
Housing	23.8
Linguistic	—
Poverty	27.9
Unemployment	36.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	65.64865905

Employed	58.03926601
Median HI	67.43231105
Education	—
Bachelor's or higher	46.42627999
High school enrollment	100
Preschool enrollment	71.06377518
Transportation	—
Auto Access	50.77633774
Active commuting	35.32657513
Social	—
2-parent households	66.12344412
Voting	58.42422687
Neighborhood	—
Alcohol availability	48.03028359
Park access	58.14192224
Retail density	62.49197998
Supermarket access	14.28204799
Tree canopy	39.85628128
Housing	—
Homeownership	46.75991274
Housing habitability	62.22250738
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	47.02938535
Uncrowded housing	42.73065572
Health Outcomes	—
Insured adults	53.9715129
Arthritis	0.0
Asthma ER Admissions	20.1

High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	80.1
Cognitively Disabled	95.5
Physically Disabled	78.7
Heart Attack ER Admissions	65.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	3.9
Children	55.0
Elderly	87.4
English Speaking	31.8
Foreign-born	65.1
Outdoor Workers	23.6

Climate Change Adaptive Capacity	—
Impervious Surface Cover	21.5
Traffic Density	88.2
Traffic Access	46.8
Other Indices	—
Hardship	40.7
Other Decision Support	—
2016 Voting	69.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	67.0
Healthy Places Index Score for Project Location (b)	64.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	Approx. 10KSF control enclosure/building
Construction: Construction Phases	Construction Schedule from Applicant
Construction: Off-Road Equipment	Construction Activity Input (UPDATE 11/1/2024)
Construction: Trips and VMT	Updated per Traffic Identified in construction spreadsheet 66 120

NRS Substation Location - HVDC Tier 4 Final (050524 Update) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	NRS Substation Location - HVDC Tier 4 Final (050524 Update)
Construction Start Date	6/1/2026
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20
Precipitation (days)	25.8
Location	37.50616549232012, -121.98839557092066
County	Alameda
City	Fremont
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1894
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

User Defined Industrial	1.00	User Defined Unit	13.8	10,000	0.00	—	—	Electrical Substation no buildings

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.64	6.15	11.6	0.03	0.15	0.93	1.08	0.14	0.24	0.38	—	3,616	3,616	0.11	0.27	3,705
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.63	6.28	11.2	0.03	0.15	0.93	1.08	0.14	0.24	0.38	—	3,580	3,580	0.11	0.27	3,663
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	1.93	3.36	0.01	0.04	0.39	0.43	0.04	0.10	0.14	—	1,289	1,289	0.04	0.11	1,324
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.03	0.35	0.61	< 0.005	0.01	0.07	0.08	0.01	0.02	0.02	—	213	213	0.01	0.02	219

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.64	6.15	11.6	0.03	0.15	0.93	1.08	0.14	0.24	0.38	—	3,616	3,616	0.11	0.27	3,705
2026	0.35	4.12	7.59	0.02	0.09	0.93	1.02	0.08	0.24	0.32	—	2,963	2,963	0.09	0.26	3,050
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.63	6.28	11.2	0.03	0.15	0.93	1.08	0.14	0.24	0.38	—	3,580	3,580	0.11	0.27	3,663
2026	0.59	6.09	11.0	0.03	0.13	0.93	1.06	0.13	0.24	0.36	—	3,544	3,544	0.11	0.27	3,627
2027	0.33	3.87	7.05	0.02	0.08	0.93	1.01	0.07	0.24	0.31	—	2,889	2,889	0.09	0.26	2,969
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.15	1.49	2.67	0.01	0.04	0.22	0.25	0.03	0.06	0.09	—	855	855	0.03	0.06	876
2026	0.17	1.93	3.36	0.01	0.04	0.39	0.43	0.04	0.10	0.14	—	1,289	1,289	0.04	0.11	1,324
2027	0.05	0.55	1.02	< 0.005	0.01	0.13	0.14	0.01	0.03	0.04	—	419	419	0.01	0.04	431
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.27	0.49	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	142	142	< 0.005	0.01	145
2026	0.03	0.35	0.61	< 0.005	0.01	0.07	0.08	0.01	0.02	0.02	—	213	213	0.01	0.02	219
2027	0.01	0.10	0.19	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	69.3	69.3	< 0.005	0.01	71.3

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.32	0.01	0.51	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	1,002	1,002	0.16	0.02	1,012
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.25	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	999	999	0.16	0.02	1,009
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.29	0.01	0.28	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	1,000	1,000	0.16	0.02	1,010
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.05	< 0.005	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	166	166	0.03	< 0.005	167

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	20.9	20.9	< 0.005	< 0.005	21.2
Area	0.31	< 0.005	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.79	1.79	< 0.005	< 0.005	1.79
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	979	979	0.16	0.02	989
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.32	0.01	0.51	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	1,002	1,002	0.16	0.02	1,012
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	19.7	19.7	< 0.005	< 0.005	20.0
Area	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	979	979	0.16	0.02	989
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.25	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	999	999	0.16	0.02	1,009

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	0.01	0.07	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	20.1
Area	0.28	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.88	0.88	< 0.005	< 0.005	0.89
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	979	979	0.16	0.02	989
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.29	0.01	0.28	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.00	1,000	1,000	0.16	0.02	1,010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	3.33
Area	0.05	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	162	162	0.03	< 0.005	164
Water	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.05	< 0.005	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	166	166	0.03	< 0.005	167

3. Construction Emissions Details

3.1. NRS Upgrades P1A (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	4.46	9.10	0.02	0.12	—	0.12	0.12	—	0.12	—	1,467	1,467	0.06	0.01	1,472
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	4.46	9.10	0.02	0.12	—	0.12	0.12	—	0.12	—	1,467	1,467	0.06	0.01	1,472
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.07	2.17	< 0.005	0.03	—	0.03	0.03	—	0.03	—	350	350	0.01	< 0.005	351
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.0	58.0	< 0.005	< 0.005	58.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.92	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	492	492	< 0.005	0.02	499
Vendor	0.03	1.58	0.56	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,657	1,657	0.05	0.24	1,734
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.15	1.50	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	456	456	< 0.005	0.02	461
Vendor	0.03	1.67	0.56	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,657	1,657	0.05	0.24	1,730
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.36	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	111

Vendor	0.01	0.39	0.13	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	396	396	0.01	0.06	413
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.1	18.1	< 0.005	< 0.005	18.4
Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.5	65.5	< 0.005	0.01	68.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.3. NRS Upgrades P1A (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	4.37	9.07	0.02	0.11	—	0.11	0.10	—	0.10	—	1,469	1,469	0.06	0.01	1,474
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.39	0.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	133
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.9	21.9	< 0.005	< 0.005	22.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.13	1.40	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	447	447	< 0.005	0.02	452
Vendor	0.03	1.59	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,629	1,629	0.05	0.24	1,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	40.5	40.5	< 0.005	< 0.005	41.0
Vendor	< 0.005	0.14	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	147	147	< 0.005	0.02	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.71	6.71	< 0.005	< 0.005	6.80
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.3	24.3	< 0.005	< 0.005	25.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. NRS Upgrades P1C (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.53	5.24	0.01	0.06	—	0.06	0.06	—	0.06	—	852	852	0.03	0.01	855
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.38	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	129
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.3	21.3	< 0.005	< 0.005	21.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.81	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	483	483	< 0.005	0.02	489
Vendor	0.03	1.50	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,628	1,628	0.05	0.24	1,706
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.9	67.9	< 0.005	< 0.005	68.7
Vendor	< 0.005	0.24	0.08	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	245	245	0.01	0.04	257
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	11.4
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.6	40.6	< 0.005	0.01	42.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.7. NRS Upgrades P2A (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.53	5.24	0.01	0.06	—	0.06	0.06	—	0.06	—	852	852	0.03	0.01	855
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.94	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.4	25.4	< 0.005	< 0.005	25.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.13	1.40	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	447	447	< 0.005	0.02	452

Vendor	0.03	1.59	0.53	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,629	1,629	0.05	0.24	1,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.25	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.1	81.1	< 0.005	< 0.005	82.1
Vendor	0.01	0.28	0.09	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	293	293	0.01	0.04	307
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	13.6
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	48.5	48.5	< 0.005	0.01	50.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.9. NRS Upgrades P2A (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.24	5.22	0.01	0.05	—	0.05	0.05	—	0.05	—	853	853	0.03	0.01	856
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.32	0.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	124	124	0.01	< 0.005	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.5	20.5	< 0.005	< 0.005	20.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.11	1.32	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	439	439	< 0.005	0.02	444
Vendor	0.03	1.52	0.50	0.01	0.02	0.45	0.48	0.02	0.13	0.15	—	1,596	1,596	0.05	0.24	1,669
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.19	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	64.0	64.0	< 0.005	< 0.005	64.8
Vendor	< 0.005	0.22	0.07	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	231	231	0.01	0.03	242
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	10.7
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.3	38.3	< 0.005	0.01	40.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	979	979	0.16	0.02	989
Total	—	—	—	—	—	—	—	—	—	—	—	979	979	0.16	0.02	989
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	979	979	0.16	0.02	989
Total	—	—	—	—	—	—	—	—	—	—	—	979	979	0.16	0.02	989
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	162	162	0.03	< 0.005	164
Total	—	—	—	—	—	—	—	—	—	—	—	162	162	0.03	< 0.005	164

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	< 0.005	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.79	1.79	< 0.005	< 0.005	1.79

Total	0.31	< 0.005	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.79	1.79	< 0.005	< 0.005	1.79
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15
Total	0.05	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.15	0.15	< 0.005	< 0.005	0.15

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
NRS Upgrades P1A	Building Construction	9/1/2025	2/15/2026	5.00	120	—
NRS Upgrades P1C	Building Construction	7/1/2026	9/15/2026	5.00	55.0	—
NRS Upgrades P2A	Building Construction	10/1/2026	3/15/2027	5.00	118	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
NRS Upgrades P1A	Excavators	Diesel	Tier 4 Final	1.00	5.00	70.0	0.38
NRS Upgrades P1A	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	5.00	275	0.36

NRS Upgrades P1A	Bore/Drill Rigs	Diesel	Average	1.00	4.00	125	0.50
NRS Upgrades P1A	Welders	Diesel	Average	1.00	2.00	395	0.45
NRS Upgrades P1C	Forklifts	Diesel	Tier 4 Final	1.00	4.00	130	0.20
NRS Upgrades P1C	Excavators	Diesel	Tier 4 Final	1.00	5.00	70.0	0.38
NRS Upgrades P1C	Rubber Tired Loaders	Diesel	Average	1.00	5.00	275	0.36
NRS Upgrades P1C	Welders	Diesel	Tier 4 Final	1.00	2.00	395	0.45
NRS Upgrades P2A	Forklifts	Diesel	Tier 4 Final	1.00	4.00	130	0.20
NRS Upgrades P2A	Excavators	Diesel	Tier 4 Final	1.00	5.00	70.0	0.38
NRS Upgrades P2A	Rubber Tired Loaders	Diesel	Average	1.00	5.00	275	0.36
NRS Upgrades P2A	Welders	Diesel	Tier 4 Final	1.00	2.00	395	0.45

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
NRS Upgrades P1A	—	—	—	—
NRS Upgrades P1A	Worker	15.0	45.0	LDA,LDT1,LDT2
NRS Upgrades P1A	Vendor	12.0	45.0	HHDT,MHDT
NRS Upgrades P1A	Hauling	0.00	45.0	HHDT
NRS Upgrades P1A	Onsite truck	—	—	HHDT
NRS Upgrades P1C	—	—	—	—
NRS Upgrades P1C	Worker	15.0	45.0	LDA,LDT1,LDT2
NRS Upgrades P1C	Vendor	12.0	45.0	HHDT,MHDT
NRS Upgrades P1C	Hauling	0.00	45.0	HHDT
NRS Upgrades P1C	Onsite truck	—	—	HHDT
NRS Upgrades P2A	—	—	—	—
NRS Upgrades P2A	Worker	15.0	45.0	LDA,LDT1,LDT2
NRS Upgrades P2A	Vendor	12.0	45.0	HHDT,MHDT

NRS Upgrades P2A	Hauling	0.00	45.0	HHDT
NRS Upgrades P2A	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
User Defined Industrial	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005

2025	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	2.74	2.74	2.74	1,000	27.4	27.4	27.4	10,000

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	15,000	5,000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

User Defined Industrial	1,752,000	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
User Defined Industrial	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.2	annual days of extreme heat
Extreme Precipitation	3.25	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	1	2
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	13.7
AQ-PM	24.0
AQ-DPM	92.7
Drinking Water	10.2
Lead Risk Housing	5.14

Pesticides	5.17
Toxic Releases	50.8
Traffic	87.3
Effect Indicators	—
CleanUp Sites	99.9
Groundwater	95.4
Haz Waste Facilities/Generators	99.5
Impaired Water Bodies	33.2
Solid Waste	93.0
Sensitive Population	—
Asthma	25.4
Cardio-vascular	40.4
Low Birth Weights	70.6
Socioeconomic Factor Indicators	—
Education	20.9
Housing	2.79
Linguistic	53.9
Poverty	3.54
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	98.24201206
Employed	82.72808931
Median HI	97.34377005
Education	—

Bachelor's or higher	97.47209034
High school enrollment	100
Preschool enrollment	67.21416656
Transportation	—
Auto Access	76.73553189
Active commuting	55.34453997
Social	—
2-parent households	98.75529321
Voting	51.93122033
Neighborhood	—
Alcohol availability	69.39561145
Park access	32.96548184
Retail density	79.5970743
Supermarket access	40.89567561
Tree canopy	51.64891569
Housing	—
Homeownership	77.96740665
Housing habitability	96.39419992
Low-inc homeowner severe housing cost burden	94.99550879
Low-inc renter severe housing cost burden	93.13486462
Uncrowded housing	63.4800462
Health Outcomes	—
Insured adults	91.18439625
Arthritis	98.6
Asthma ER Admissions	74.4
High Blood Pressure	98.4
Cancer (excluding skin)	94.8
Asthma	99.9

Coronary Heart Disease	99.1
Chronic Obstructive Pulmonary Disease	99.7
Diagnosed Diabetes	96.7
Life Expectancy at Birth	78.5
Cognitively Disabled	66.4
Physically Disabled	87.9
Heart Attack ER Admissions	65.2
Mental Health Not Good	99.6
Chronic Kidney Disease	98.6
Obesity	99.9
Pedestrian Injuries	90.9
Physical Health Not Good	99.5
Stroke	99.1
Health Risk Behaviors	—
Binge Drinking	93.5
Current Smoker	98.5
No Leisure Time for Physical Activity	88.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	25.4
Children	17.1
Elderly	88.2
English Speaking	34.4
Foreign-born	97.3
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	21.5
Traffic Density	83.1

Traffic Access	60.6
Other Indices	—
Hardship	8.8
Other Decision Support	—
2016 Voting	55.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	45.0
Healthy Places Index Score for Project Location (b)	97.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Approx. 10KSF control enclosure/building
Construction: Construction Phases	Construction Schedule from Applicant List
Construction: Off-Road Equipment	NRS Upgrades Construction from Applicant PD

Construction: Trips and VMT	Updated per Traffic Identified in construction spreadsheet
Operations: Energy Use	200 kW load so 1,752,000 kWH

AERMOD PRIME - (DATED 21112)

AERMODPrMSPx VERSION
(C) COPYRIGHT 1998-2021, Trinity Consultants

```
 ***************************************************************************************************
 *  CAUTION: There is a known bug in U.S. EPA AERMOD version 21112 that occurs when RLINE Roadway and   *
 *  RLINEXT Roadway sources are included in a model run and the order of the receptors is changed. Due  *
 *  to this bug, running the BREEZE-Enhanced version of AERMOD 21112 can result in differences in       *
 *  results when compared with U.S. EPA AERMOD 21112 if RLINE and/or RLINEXT Roadway sources are        *
 *  included. A new BREEZE-Enhanced version will be released as soon as U.S. EPA fixes the bug.         *
 *  Note: if RLINE and/or RLINEXT Roadway sources are not included in the model run, then the           *
 *  BREEZE-Enhanced version of AERMOD 21112 can be used without this caution.                           *
 ***************************************************************************************************

 Run Began on  5/07/2025 at 15:29:18

** BREEZE AERMOD
** Trinity Consultants
** VERSION  12.0

CO STARTING
CO TITLEONE  NRS Substation Construction DPM
CO MODELOPT  DFAULT  CONC  NODRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  ANNUAL
CO POLLUTID  PM10
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  EA0A8004  AREAPOLY  591639  4140062.9  0
** SRCDESCR  NRS Substation Work
SO SRCPARAM  EA0A8004  3.38E-08  3  13  1
SO AREAVERT  EA0A8004  591639 4140062.9  591623.7 4140054.6  591602 4140096.7  591516.6 4140051.4
SO AREAVERT  EA0A8004  591565.7 4139958.3  591651.7 4140006.2  591648.6 4140012.5  591659.4 4140018.9
SO AREAVERT  EA0A8004  591657.5 4140024  591643.5 4140018.3  591633.3 4140038.7  591648.6 4140046.9
SO AREAVERT  EA0A8004  591639 4140062.9
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE DISCCART  591670.2  4140141.9  0  0
** SENSITIV
** RCPDESCR  R1
RE DISCCART  591714.2  4140072.4  0  0
** SENSITIV
** RCPDESCR  R2
RE DISCCART  591657.5  4139928.4  0  0
** SENSITIV
** RCPDESCR  R3
RE DISCCART  591603.9  4139899.7  0  0
** SENSITIV
** RCPDESCR  R4
RE FINISHED

ME STARTING
ME SURFFILE  "C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Recieving Station
NRS\AERMOD\KSJC_2017.SFC"
** SURFFILE  "C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Recieving Station
NRS\AERMOD\KSJC_2017.SFC"
ME PROFFILE  "C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Recieving Station
NRS\AERMOD\KSJC_2017.PFL"
** PROFFILE  "C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Recieving Station
NRS\AERMOD\KSJC_2017.PFL"
ME SURFDATA  23293 2017
ME UAIRDATA  23230 2017
ME PROFBASE  0  METERS
ME FINISHED

OU STARTING
OU FILEFORM  FIX
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10000
OU FINISHED

** **************************************************************************
** It is recommended that the user not edit any data below this line
** **************************************************************************
```

```
** AMPTYPE
** AMPDATUM  -1
** AMPZONE  -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,
0,0,0,0,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",1
1],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  11
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
** TEMPLATE USERDEFINED
** AERMODEXE  AERMOD_BREEZE_21112_64.EXE
** AERMAPEXE  AERMAP_EPA_18081_64.EXE



  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      56       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187      56       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 21112  ***   ***  NRS Substation Construction DPM                                  ***        05/07/25
 *** AERMET - VERSION  18081 ***   ***                                                                 ***       15:29:18
                                                                                                                PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

 **Other Options Specified:
```

```
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM10

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      1 Source(s);       1 Source Group(s); and       4 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     0.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 *** AERMOD - VERSION 21112  ***   ***  NRS Substation Construction DPM                                    ***        05/07/25
 *** AERMET - VERSION  18081 ***   ***                                                                    ***        15:29:18
                                                                                                                     PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  ADJ_U*


                                          *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE
   SOURCE      PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID        CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 EA0A8004         0   0.33800E-07  591639.0 4140062.9     0.0     3.00      13         1.00     NO
 *** AERMOD - VERSION 21112  ***   ***  NRS Substation Construction DPM                                    ***        05/07/25
 *** AERMET - VERSION  18081 ***   ***                                                                    ***        15:29:18
                                                                                                                     PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  ADJ_U*


                                       *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                    SOURCE IDs
 -----------                                    ----------


  ALL        EA0A8004    ,
 *** AERMOD - VERSION 21112  ***   ***  NRS Substation Construction DPM                                    ***        05/07/25
 *** AERMET - VERSION  18081 ***   ***                                                                    ***        15:29:18
                                                                                                                     PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  ADJ_U*

                                     *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                  (1=YES; 0=NO)

          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
```

```
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Re Met Version: 18081
Profile file: C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Re
Surface format: FREE
Profile format: FREE
Surface station no.: 23293 Upper air station no.: 23230
Name: UNKNOWN Name: UNKNOWN
Year: 2017 Year: 2017

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
17	01	01	1	01	-22.4	0.219	-9.000	-9.000	-999.	246.	52.9	0.02	0.68	1.00	3.36	121.	7.9	277.5	2.0
17	01	01	1	02	-12.5	0.138	-9.000	-9.000	-999.	125.	21.0	0.02	0.68	1.00	2.17	180.	7.9	278.1	2.0
17	01	01	1	03	-16.7	0.164	-9.000	-9.000	-999.	160.	29.6	0.02	0.68	1.00	2.55	137.	7.9	278.8	2.0
17	01	01	1	04	-17.5	0.172	-9.000	-9.000	-999.	172.	32.7	0.02	0.68	1.00	2.67	125.	7.9	279.2	2.0
17	01	01	1	05	-21.8	0.215	-9.000	-9.000	-999.	239.	50.6	0.02	0.68	1.00	3.29	122.	7.9	279.2	2.0
17	01	01	1	06	-15.2	0.153	-9.000	-9.000	-999.	145.	25.8	0.02	0.68	1.00	2.39	154.	7.9	279.9	2.0
17	01	01	1	07	-18.9	0.187	-9.000	-9.000	-999.	194.	38.3	0.02	0.68	1.00	2.88	124.	7.9	279.9	2.0
17	01	01	1	08	-17.7	0.175	-9.000	-9.000	-999.	176.	33.7	0.02	0.68	0.74	2.71	132.	7.9	279.9	2.0
17	01	01	1	09	5.8	0.168	0.369	0.005	314.	166.	-74.7	0.02	0.68	0.39	2.32	134.	7.9	280.9	2.0
17	01	01	1	10	35.9	0.138	0.923	0.018	792.	123.	-6.6	0.02	0.68	0.27	1.59	138.	7.9	282.0	2.0
17	01	01	1	11	59.1	0.123	1.168	0.019	974.	104.	-2.9	0.02	0.68	0.23	1.28	129.	7.9	284.2	2.0
17	01	01	1	12	72.0	0.252	1.293	0.020	1085.	304.	-20.1	0.02	0.68	0.21	3.34	280.	7.9	284.9	2.0
17	01	01	1	13	87.9	0.389	1.384	0.019	1089.	582.	-60.3	0.05	0.68	0.21	4.65	263.	7.9	285.9	2.0
17	01	01	1	14	65.5	0.353	1.256	0.019	1091.	504.	-60.5	0.05	0.68	0.22	4.22	270.	7.9	285.9	2.0
17	01	01	1	15	46.1	0.403	1.118	0.018	1093.	613.	-128.0	0.05	0.68	0.25	4.97	244.	7.9	285.4	2.0
17	01	01	1	16	18.2	0.370	0.820	0.018	1094.	542.	-252.7	0.02	0.68	0.33	5.44	281.	7.9	285.4	2.0
17	01	01	1	17	-32.0	0.420	-9.000	-9.000	-999.	653.	209.2	0.02	0.68	0.57	6.43	279.	7.9	283.1	2.0
17	01	01	1	18	-28.9	0.288	-9.000	-9.000	-999.	382.	91.1	0.05	0.68	1.00	3.85	243.	7.9	282.0	2.0
17	01	01	1	19	-18.6	0.185	-9.000	-9.000	-999.	197.	37.6	0.05	0.68	1.00	2.52	246.	7.9	282.0	2.0
17	01	01	1	20	-13.3	0.147	-9.000	-9.000	-999.	135.	23.7	0.05	0.68	1.00	2.03	225.	7.9	280.9	2.0
17	01	01	1	21	-7.4	0.105	-9.000	-9.000	-999.	82.	14.3	0.02	0.68	1.00	1.69	116.	7.9	282.0	2.0
17	01	01	1	22	-10.4	0.130	-9.000	-9.000	-999.	112.	19.0	0.05	0.68	1.00	1.76	94.	7.9	281.4	2.0
17	01	01	1	23	-14.5	0.149	-9.000	-9.000	-999.	138.	24.5	0.02	0.68	1.00	2.33	133.	7.9	280.9	2.0
17	01	01	1	24	-21.8	0.215	-9.000	-9.000	-999.	240.	51.0	0.02	0.68	1.00	3.30	114.	7.9	280.4	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
17	01	01	01	7.9	1	121.	3.36	277.6	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): EA0A8004 ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC

                                *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER   1 YEARS ***

                                 ** CONC OF PM10   IN MICROGRAMS/M**3   **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.03625 AT (591657.50, 4139928.40, 0.00, 0.00, 0.00)	SR	
	2ND HIGHEST VALUE IS	0.01494 AT (591714.20, 4140072.40, 0.00, 0.00, 0.00)	SR	
	3RD HIGHEST VALUE IS	0.01238 AT (591670.20, 4140141.90, 0.00, 0.00, 0.00)	SR	
	4TH HIGHEST VALUE IS	0.01108 AT (591603.90, 4139899.70, 0.00, 0.00, 0.00)	SR	
	5TH HIGHEST VALUE IS	0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   3 Warning Message(s)
 A Total of   194 Informational Message(s)

 A Total of   8784 Hours Were Processed

 A Total of   52 Calm Hours Identified

 A Total of   142 Missing Hours Identified (1.62 Percent)

    ******** FATAL ERROR MESSAGES ********
              *** NONE ***

    ********   WARNING MESSAGES   ********
 ME W186   56   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
 ME W187   56   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W481   8785   MAIN: Data Remaining After End of Year. Number of Hours=   24

    ****
    *** AERMOD Finishes Successfully ***
    ****

Air Quality Health Risk Calculations (Worst-Case)
NRS Substation Construction R1

From CalEE Annual Output	Emission per day (Ton/Total Construction Duration)	**0.0124**
	Construction Start	**9/1/2025**
	Construction Complete	**3/15/2027**
	Total Work Days Modeled in CalEEMod	**408**
	Construction Emission per day (lb/day)	**0.060784314**
	Annual Duration (Days)	**365**
	Annualized Emission Rate (Grams/Second)	**0.000318696**
	Project Site Size (Acres)	**3.51**
	Project Site Size (meters^2)	**14204.46604**
	Length of Smalles Side (meters)	**119.1824905**
Used as an input to AERMOD	Emission Rate over Grading Area(g/s-m^2)	**2.24E-08**
From AERMOD	Concentration Annual (Ug/M^3)	**0.0082**

	Days	Days to years				
Duration	408	1.117808219				
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000284	0.00000858	0.00000678	0.00000586	0.00000264	0.00000228
Construction Days	408	1.117808219				
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED	0.25	1.117808219	1.117808219	1.117808219	1.117808219	1.117808219
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	9.48956E-08	1.28113E-06	2.5716E-07	2.22514E-07	3.38154E-08	2.9273E-08
Risk per million Exposed	0.094895554	1.281127793	0.257160305	0.222513853	0.033815413	0.029273044

Cancer Risk Per Million Construction Duration	1.38

Air Quality Health Risk Calculations (Worst-Case)
NRS Substation Construction R2

From CalEE Annual Output	Emission per day (Ton/Total Construction Duration)	**0.0124**
	Construction Start	**9/1/2026**
	Construction Complete	**2/15/2028**
	Days	**532**
	Construction Emission per day (lb/day)	**0.090977444**
	Annual Duration (Days)	**365**
	Annualized Emission Rate (Grams/Second)	**0.000477**
	Project Site Size (Acres)	**3.51**
	Project Site Size (meters^2)	**14204.46604**
	Length of Smalles Side (meters)	**119.1824905**
Used as an input to AERMOD	Emission Rate over Grading Area(g/s-m^2)	**2.24E-08**
From AERMOD	Concentration Annual (Ug/M^3)	**0.0099**

	Days	Days to years				
Duration	408	1.117808219				
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000343	0.00001036	0.00000818	0.00000708	0.00000318	0.00000276
Construction Days	408	1.117808219				
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED	0.25	1.117808219	1.117808219	1.117808219	1.117808219	1.117808219
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	1.14569E-07	1.54673E-06	3.10474E-07	2.68645E-07	4.08259E-08	3.53418E-08
Risk per million Exposed	0.114569023	1.546727457	0.310474027	0.268644773	0.040825925	0.035341846
Cancer Risk Per Million Construction Duration	1.66					

Air Quality Health Risk Calculations (Worst-Case)
NRS Substation Construction R3

From CalEE Annual Output	Emission per day (Ton/Total Construction Duration)	**0.0124**
	Construction Start	**9/1/2026**
	Construction Complete	**2/15/2028**
	Days	**408**
	Construction Emission per day (lb/day)	**0.090977444**
	Annual Duration (Days)	**365**
	Annualized Emission Rate (Grams/Second)	**0.000477**
	Project Site Size (Acres)	**3.51**
	Project Site Size (meters^2)	**14204.46604**
	Length of Smalles Side (meters)	**119.1824905**
Used as an input to AERMOD	Emission Rate over Grading Area(g/s-m^2)	**2.24E-08**
From AERMOD	Concentration Annual (Ug/M^3)	**0.024**

		Days	Days to years				
Duration		532	1.457534247				
Age (Years)		3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15		0.024	0.024	0.024	0.024	0.024	0.024
Breathing Rate per agegroup BR/BW (Page 5-25)		361	1090	861	745	335	290
A (Default is 1)		1	1	1	1	1	1
Exposure Frequency = EF (days/365days)		0.96	0.96	0.96	0.96	0.96	0.96
10^-6 Microgram to Milligram / liters to m3		0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh		0.00000832	0.00002511	0.00001984	0.00001716	0.00000772	0.00000668
Construction Days		532	1.457534247				
potency factor for Diesel		1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor		10	10	3	3	1	1
ED		0.25	1.457534247	1.457534247	1.457534247	1.457534247	1.457534247
AT		70	70	70	70	70	70
FAH		0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group		2.77743E-07	4.88924E-06	9.81415E-07	8.49192E-07	1.29052E-07	1.11716E-07
Risk per million Exposed		0.277743086	4.889239496	0.981415223	0.849192034	0.129051648	0.111716352
Cancer Risk Per Million Construction Duration		5.17					

Air Quality Health Risk Calculations (Worst-Case)
NRS Substation Construction R4

From CalEE Annual Output	Emission per day (Ton/Total Construction Duration)	**0.0124**
	Construction Start	**9/1/2026**
	Construction Complete	**2/15/2028**
	Days	**532**
	Construction Emission per day (lb/day)	**0.090977444**
	Annual Duration (Days)	**365**
	Annualized Emission Rate (Grams/Second)	**0.000477**
	Project Site Size (Acres)	**3.51**
	Project Site Size (meters^2)	**14204.46604**
	Length of Smalles Side (meters)	**119.1824905**
Used as an input to AERMOD	Emission Rate over Grading Area(g/s-m^2)	**2.24E-08**
From AERMOD	Concentration Annual (Ug/M^3)	**0.0073**

	Days	Days to years				
Duration	408	1.117808219				
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000253	0.00000764	0.00000603	0.00000522	0.00000235	0.00000203
Construction Days	408	1.117808219				
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED	0.25	1.117808219	1.117808219	1.117808219	1.117808219	1.117808219
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	8.44802E-08	1.14052E-06	2.28935E-07	1.98092E-07	3.0104E-08	2.60601E-08
Risk per million Exposed	0.084480189	1.140516206	0.228935393	0.1980916	0.030103965	0.026060149
Cancer Risk Per Million Construction Duration	1.22					
Cancer Risk Per Million 30-years	1.45					

Attachment 4A - PM2.5 Dispersion Model Input Calculation

NRS Substation Upgrades

Year	PM 2.5 Annual Total from CalEEMod	Construction Start	Construction End	Construction Duration
2025	0.0162	9/1/2025	12/31/2025	121
2026	0.025	12/31/2025	12/31/2026	365
2027	0.0081	12/31/2026	3/15/2027	74

Largest Emission Noted	NRS Substation Upgrade
Year	2026
Emission per day (Ton/Total Construction Duration)	**0.025**
Annual Construction Start	12/31/2025
Annual Construction Completion	12/31/2026
Construction Duration in 2027	365
Construction Emission per day (lb/day)	0.137
Annualized Emission Rate (Grams/Second)	0.00072
Project Site Size (Acres)	3.51
Project Site Size (meters^2)	14204.47
Length of Smalles Side (meters)	119.18
AERMOD Input Emission Rate (g/s-m^2)	5.06E-08

```
1                     AERMOD PRIME - (DATED 23132 )

                     AERMODPrMSPx VERSION
             (C) COPYRIGHT 1998-2022, Trinity Consultants

 Run Began on  5/08/2025 at 12:01:06

** BREEZE AERMOD
** Trinity Consultants
** VERSION  12.0

CO STARTING
CO TITLEONE  NRS Substation Construction PM2.5 Total
CO MODELOPT  DFAULT  CONC  NODRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  ANNUAL
CO POLLUTID  PM25
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  EA0A8004  AREAPOLY  591639  4140062.9  0
** SRCDESCR  NRS Substation Work
SO SRCPARAM  EA0A8004  5.06E-08  3  13  1
SO AREAVERT  EA0A8004  591639 4140062.9  591623.7 4140054.6  591602 4140096.7  591516.6 4140051.4
SO AREAVERT  EA0A8004  591565.7 4139958.3  591651.7 4140006.2  591648.6 4140012.5  591659.4 4140018.9
SO AREAVERT  EA0A8004  591657.5 4140024  591643.5 4140018.3  591633.3 4140038.7  591648.6 4140046.9
SO AREAVERT  EA0A8004  591639 4140062.9
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE DISCCART  591670.2  4140141.9  0  0
** SENSITIV
** RCPDESCR  R1
RE DISCCART  591714.2  4140072.4  0  0
** SENSITIV
** RCPDESCR  R2
RE DISCCART  591657.5  4139928.4  0  0
** SENSITIV
** RCPDESCR  R3
RE DISCCART  591603.9  4139899.7  0  0
** SENSITIV
** RCPDESCR  R4
RE FINISHED

ME STARTING
ME SURFFILE  "C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Recieving Station
NRS\AERMOD\KSJC_2017.SFC"
** SURFFILE  "C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Recieving Station
NRS\AERMOD\KSJC_2017.SFC"
ME PROFFILE  "C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Recieving Station
NRS\AERMOD\KSJC_2017.PFL"
** PROFFILE  "C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Recieving Station
NRS\AERMOD\KSJC_2017.PFL"
ME SURFDATA  23293 2017
ME UAIRDATA  23230 2017
ME PROFBASE  0  METERS
ME FINISHED

OU STARTING
OU FILEFORM  FIX
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10000
OU FINISHED

** ************************************************************************
** It is recommended that the user not edit any data below this line
** ************************************************************************


** AMPTYPE
** AMPDATUM  -1
** AMPZONE  -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,
0,0,0,0,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",1
```

```
1],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  11
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
** TEMPLATE UserDefined
** AERMODEXE  AERMOD_BREEZE_23132_64.EXE
** AERMAPEXE  AERMAP_EPA_18081_64.EXE



  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      56       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187      56       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 23132  ***   ***  NRS Substation Construction PM2.5 Total                          ***        05/08/25
 *** AERMET - VERSION  18081 ***   ***                                                                  ***       12:01:06
                                                                                                                 PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  ADJ_U*

                                        ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses RURAL Dispersion Only.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM25

 **Note that special processing requirements apply for the 24-hour PM2.5 NAAQS - check available guidance.
   Model will process user-specified ranks of high 24-hour values averaged across the number of years modeled, and
   the multi-year average of individual ANNUAL values, averaged across the number of years modeled.

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      1 Source(s);       1 Source Group(s); and       4 Receptor(s)

                with:      0 POINT(s), including
```

```
                    0 POINTCAP(s) and      0 POINTHOR(s)
               and:      0 VOLUME source(s)
               and:      1 AREA type source(s)
               and:      0 LINE source(s)
               and:      0 RLINE/RLINEXT source(s)
               and:      0 OPENPIT source(s)
               and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
               and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     0.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                            ;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

↟ *** AERMOD - VERSION 23132  ***   ***  NRS Substation Construction PM2.5 Total                          ***        05/08/25
 *** AERMET - VERSION  18081 ***   ***                                                                    ***        12:01:06
                                                                                                                    PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  ADJ_U*


                                          *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE    AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID        CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)           (METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 EA0A8004         0   0.50600E-07  591639.0 4140062.9     0.0     3.00      13         1.00     NO                    NO
↟ *** AERMOD - VERSION 23132  ***   ***  NRS Substation Construction PM2.5 Total                          ***        05/08/25
 *** AERMET - VERSION  18081 ***   ***                                                                    ***        12:01:06
                                                                                                                    PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  ADJ_U*


                                       *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                  SOURCE IDs
 -----------                                  ----------


  ALL        EA0A8004    ,
↟ *** AERMOD - VERSION 23132  ***   ***  NRS Substation Construction PM2.5 Total                          ***        05/08/25
 *** AERMET - VERSION  18081 ***   ***                                                                    ***        12:01:06
                                                                                                                    PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  ADJ_U*

                                     *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                (1=YES; 0=NO)

          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

              NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.
```

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Re Met Version: 18081
Profile file: C:\Users\ryan\My Drive\City of San Jose\23-32 Newark HVDC PEA\121924\Northern Re
Surface format: FREE
Profile format: FREE
Surface station no.: 23293 Upper air station no.: 23230
Name: UNKNOWN Name: UNKNOWN
Year: 2017 Year: 2017

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
17	01	01	1	01	-22.4	0.219	-9.000	-9.000	-999.	246.	52.9	0.02	0.68	1.00	3.36	121.	7.9	277.5	2.0
17	01	01	1	02	-12.5	0.138	-9.000	-9.000	-999.	125.	21.0	0.02	0.68	1.00	2.17	180.	7.9	278.1	2.0
17	01	01	1	03	-16.7	0.164	-9.000	-9.000	-999.	160.	29.6	0.02	0.68	1.00	2.55	137.	7.9	278.8	2.0
17	01	01	1	04	-17.5	0.172	-9.000	-9.000	-999.	172.	32.7	0.02	0.68	1.00	2.67	125.	7.9	279.2	2.0
17	01	01	1	05	-21.8	0.215	-9.000	-9.000	-999.	239.	50.6	0.02	0.68	1.00	3.29	122.	7.9	279.2	2.0
17	01	01	1	06	-15.2	0.153	-9.000	-9.000	-999.	145.	25.8	0.02	0.68	1.00	2.39	154.	7.9	279.9	2.0
17	01	01	1	07	-18.9	0.187	-9.000	-9.000	-999.	194.	38.3	0.02	0.68	1.00	2.88	124.	7.9	279.9	2.0
17	01	01	1	08	-17.7	0.175	-9.000	-9.000	-999.	176.	33.7	0.02	0.68	0.74	2.71	132.	7.9	279.9	2.0
17	01	01	1	09	5.8	0.168	0.369	0.005	314.	166.	-74.7	0.02	0.68	0.39	2.32	134.	7.9	280.9	2.0
17	01	01	1	10	35.9	0.138	0.923	0.018	792.	123.	-6.6	0.02	0.68	0.27	1.59	138.	7.9	282.0	2.0
17	01	01	1	11	59.1	0.123	1.168	0.019	974.	104.	-2.9	0.02	0.68	0.23	1.28	129.	7.9	284.2	2.0
17	01	01	1	12	72.0	0.252	1.293	0.020	1085.	304.	-20.1	0.02	0.68	0.21	3.34	280.	7.9	284.9	2.0
17	01	01	1	13	87.9	0.389	1.384	0.019	1089.	582.	-60.3	0.05	0.68	0.21	4.65	263.	7.9	285.9	2.0
17	01	01	1	14	65.5	0.353	1.256	0.019	1091.	504.	-60.5	0.05	0.68	0.22	4.22	270.	7.9	285.9	2.0
17	01	01	1	15	46.1	0.403	1.118	0.018	1093.	613.	-128.0	0.05	0.68	0.25	4.97	244.	7.9	285.4	2.0
17	01	01	1	16	18.2	0.370	0.820	0.018	1094.	542.	-252.7	0.02	0.68	0.33	5.44	281.	7.9	285.4	2.0
17	01	01	1	17	-32.0	0.420	-9.000	-9.000	-999.	653.	209.2	0.02	0.68	0.57	6.43	279.	7.9	283.1	2.0
17	01	01	1	18	-28.9	0.288	-9.000	-9.000	-999.	382.	91.1	0.05	0.68	1.00	3.85	243.	7.9	282.0	2.0
17	01	01	1	19	-18.6	0.185	-9.000	-9.000	-999.	197.	37.6	0.05	0.68	1.00	2.52	246.	7.9	282.0	2.0
17	01	01	1	20	-13.3	0.147	-9.000	-9.000	-999.	135.	23.7	0.05	0.68	1.00	2.03	225.	7.9	280.9	2.0
17	01	01	1	21	-7.4	0.105	-9.000	-9.000	-999.	82.	14.3	0.02	0.68	1.00	1.69	116.	7.9	282.0	2.0
17	01	01	1	22	-10.4	0.130	-9.000	-9.000	-999.	112.	19.0	0.05	0.68	1.00	1.76	94.	7.9	281.4	2.0
17	01	01	1	23	-14.5	0.149	-9.000	-9.000	-999.	138.	24.5	0.02	0.68	1.00	2.33	133.	7.9	280.9	2.0
17	01	01	1	24	-21.8	0.215	-9.000	-9.000	-999.	240.	51.0	0.02	0.68	1.00	3.30	114.	7.9	280.4	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
17	01	01	01	7.9	1	121.	3.36	277.6	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): EA0A8004 ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
591670.20	4140141.90	0.01853	591714.20	4140072.40	0.02237
591657.50	4139928.40	0.05427	591603.90	4139899.70	0.01659

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.05427 AT	(591657.50, 4139928.40, 0.00, 0.00, 0.00)	SR	
	2ND HIGHEST VALUE IS	0.02237 AT	(591714.20, 4140072.40, 0.00, 0.00, 0.00)	SR	
	3RD HIGHEST VALUE IS	0.01853 AT	(591670.20, 4140141.90, 0.00, 0.00, 0.00)	SR	
	4TH HIGHEST VALUE IS	0.01659 AT	(591603.90, 4139899.70, 0.00, 0.00, 0.00)	SR	
	5TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 3 Warning Message(s)
A Total of 194 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 52 Calm Hours Identified

A Total of 142 Missing Hours Identified (1.62 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
ME W186 56 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 56 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W481 8785 MAIN: Data Remaining After End of Year. Number of Hours= 24

****
*** AERMOD Finishes Successfully ***
****

Power the South Bay Air Quality Construction Emissions
Construction Equipment Scenario

CalEEMod: PGE Upgrades Newark Detailed Report, 4/7/2025

	Total workdays
2026	23
2027	261
2028	32
Workdays	316

Average Daily Construction Emissions (Tier 4 Interim)					
	ROG	NOx	PM10E	PM2.5E	
2026	0.01	0.1	0.0049	0.0049	tons/yr
2027	0.09	1.16	0.02	0.02	tons/yr
2028	0.01	0.14	0.0049	0.0049	tons/yr
Annual Totals	0.11	1.40	0.03	0.03	tons/yr
	0.70	**8.86**	**0.19**	**0.19**	lbs/day

CalEEMod: NRS Substation Detailed Report, 5/13/2025

	Total workdays
2025	88
2026	153
2027	52
Workdays	293

Average Daily Construction Emissions (Average)					
	ROG	NOx	PM10E	PM2.5E	tons/yr
2025	0.07	0.33	0.01	0.01	tons/yr
2026	0.08	0.6	0.03	0.02	tons/yr
2027	0.02	0.19	0.01	0.01	tons/yr
Annual Totals	0.17	1.12	0.05	0.04	lbs/day
	1.16	**7.65**	**0.34**	**0.27**	lbs/day

CalEEMod: Newark - NRS Transmission Line Work (12-18-24) Detailed Report, 12/19/2024

	Total workdays
2026	154
2027	261
2028	205
Workdays	620

Average Daily Construction Emissions (Tier 4 Final)					
	ROG	NOx	PM10E	PM2.5E	
2026	0.56	6.08	0.18	0.17	tons/yr
2027	0.25	3.75	0.08	0.07	tons/yr
2028	0.04	0.93	0.01	0.0049	tons/yr
Annual Totals	0.85	10.76	0.27	0.24	tons/yr
	2.74	**34.71**	**0.87**	**0.79**	lbs/day

	ROG	NOx	PM10	PM2.5	
Project Total	**4.60**	**51.22**	**1.40**	**1.25**	lbs/day

MEIR Receptor - Cumulative Risk

	Mitigated				
MEIR Type	**Cancer Risk (per million)**	**HI**	**$PM_{2.5}$ (ug/m^3)**	**UTM X**	**UTM Y**
Construction	5.17	<0.01	0.02	591657.50	4139928.40

<=20	$y = 126.5x^{-1.582}$	gas
<=20	$y = 58.873x^{-1.246}$	generator
<=5	$y = 0.9433e^{-0.007x}$	generic case

BAAQMD Nearby Stationary Sources (report pulled 9/2/2025)

FID	FACID	Name	Address	Type	UTM X	UTM Y	Cancer	Hazard	PM_25
1148	1771	City of Santa Clara	2339 Gianera Street	Generic Case	591352.61	4139747.18	7.96	0.06	6.84
4369	17392	City of Santa Clara Gianera Storm Stat	2337 Gianera Street	Generators	591385.85	4139735.56	4.15	0	0.01
4938	20241	RS Alameda LLC ("Red Sea")	5101 Lafayette Street	Generators	591499.07	4140558.45	4.58	0	0.01

Stationary Source Impacts at MEIR, Construction

FACID	Distance From MEIR (m)	Distance Multiplier	Cancer	Hazard	PM2.5
1148	354.7	0.01	0.09	0.00	0.08
4369	333.1	0.04	0.18	0.00	0.00
4938	649.7	0.02	0.08	0.00	0.00

Construction MEIR	Mitigated		
Source Type	**Cancer Risk (per million)**	**HI**	**$PM_{2.5}$ (ug/m^3)**
Project Construction	5.17	<0.01	0.02
Stationary	0.35	0.00	0.08
Cumulative Project: 2303 Gianera	4.82	0.01	0.28
Railway	7.00	<0.01	<0.01
Mobile Source	5.00	<0.01	<0.01
Total	22.34	0.01	0.38

Gasoline Dispensing Facility (GDF) Distance Multiplier Tool: This distance multiplier tool refines the screening values for cancer risk and chronic hazard index found in the District's Stationary Source Screening Analysis Tool for GDF's, to represent adjusted risk and hazard impacts that can be expected with farther distances from the source of emissions.

Gas Station

Distance (meters)	Distance (feet)	Distance adjustment multiplier	Enter Risk or Hazard	Adjusted Risk or Hazard
0	0.0	1.000		0.0000
5	16.4	1.000		0.0000
10	32.8	1.000		0.0000
15	49.2	1.000		0.0000
20	65.6	1.000		0.0000
25	82.0	0.728		0.0000
30	98.4	0.559		0.0000
35	114.8	0.445		0.0000
40	131.2	0.365		0.0000
45	147.6	0.305		0.0000
50	164.0	0.260		0.0000
55	180.4	0.225		0.0000
60	196.9	0.197		0.0000
65	213.3	0.174		0.0000
70	229.7	0.155		0.0000
75	246.1	0.139		0.0000
80	262.5	0.126		0.0000
85	278.9	0.114		0.0000
90	295.3	0.104		0.0000
95	311.7	0.096		0.0000
100	328.1	0.088		0.0000
105	344.5	0.082		0.0000
110	360.9	0.076		0.0000
115	377.3	0.071		0.0000
120	393.7	0.066		0.0000
125	410.1	0.062		0.0000
130	426.5	0.058		0.0000
135	442.9	0.055		0.0000
140	459.3	0.052		0.0000
145	475.7	0.049		0.0000
150	492.1	0.046		0.0000
155	508.5	0.044		0.0000
160	524.9	0.042		0.0000
165	541.3	0.040		0.0000
170	557.7	0.038		0.0000
175	574.1	0.036		0.0000
180	590.6	0.034		0.0000
185	607.0	0.033		0.0000
190	623.4	0.031		0.0000
195	639.8	0.030		0.0000
200	656.2	0.029		0.0000
205	672.6	0.028		0.0000
210	689.0	0.027		0.0000
215	705.4	0.026		0.0000
220	721.8	0.025		0.0000
225	738.2	0.024		0.0000
230	754.6	0.023		0.0000
235	771.0	0.022		0.0000
240	787.4	0.022		0.0000
245	803.8	0.021		0.0000
250	820.2	0.020		0.0000
255	836.6	0.020		0.0000
260	853.0	0.019		0.0000
265	869.4	0.018		0.0000
270	885.8	0.018		0.0000
275	902.2	0.017		0.0000
280	918.6	0.017		0.0000
285	935.0	0.016		0.0000
290	951.4	0.016		0.0000
295	967.8	0.015		0.0000
300	984.3	0.015		0.0000

Diesel Internal Combustion (IC) Engine Distance Multiplier Tool: This distance multiplier tool refines the screening values for cancer risk and PM2.5 concentrations found in the District's Stationary Source Screening Analysis Tool for permitted facilities which contain only diesel IC engines, to represent adjusted risk and hazard impacts that can be expected with farther distances from the source of emissions.

Diesel Backup Generator

Distance (meters)	Distance (feet)	Distance adjustment multiplier	Enter Risk or Hazard	Adjusted Risk or Hazard	Enter PM2.5 Concentration	Adjusted PM2.5 Concentration
0	0.0	1.000		0		0
5	16.4	1.000		0		0
10	32.8	1.000		0		0
15	49.2	1.000		0		0
20	65.6	1.000		0		0
25	82.0	0.85		0		0
30	98.4	0.73		0		0
35	114.8	0.64		0		0
40	131.2	0.58		0		0
50	164.0	0.5		0		0
60	196.9	0.41		0		0
70	229.7	0.31		0		0
80	262.5	0.28		0		0
90	295.3	0.25		0		0
100	328.1	0.22		0		0
110	360.9	0.18		0		0
120	393.7	0.16		0		0
130	426.5	0.15		0		0
140	459.3	0.14		0		0
150	492.1	0.12		0		0
160	524.9	0.1		0		0
180	590.6	0.09		0		0
200	656.2	0.08		0		0
220	721.8	0.07		0		0
240	787.4	0.06		0		0
260	853.0	0.05		0		0
280	918.6	0.04		0		0

Generic Distance Multiplier Tool: This distance multiplier tool refines the screening values to represent adjusted risk and hazard impacts that can be expected with farther distances from the source of emissions.

Generic Case

Distance (meters)	Distance (feet)	Multiplier
0	0.0	1.000
5	16.4	1.000
10	32.8	0.883
15	49.2	0.855
20	65.6	0.827
25	82.0	0.801
30	98.4	0.775
35	114.8	0.750
40	131.2	0.726
45	147.6	0.702
50	164.0	0.679
55	180.4	0.658
60	196.9	0.636
65	213.3	0.616
70	229.7	0.596
75	246.1	0.577
80	262.5	0.558
85	278.9	0.540
90	295.3	0.523
95	311.7	0.506
100	328.1	0.489
105	344.5	0.474
110	360.9	0.458
115	377.3	0.444
120	393.7	0.429
125	410.1	0.415
130	426.5	0.402
135	442.9	0.389
140	459.3	0.376
145	475.7	0.364
150	492.1	0.353
155	508.5	0.341
160	524.9	0.330
165	541.3	0.319
170	557.7	0.309
175	574.1	0.299
180	590.6	0.290
185	607.0	0.280
190	623.4	0.271
195	639.8	0.262
200	656.2	0.254
205	672.6	0.246
210	689.0	0.238
215	705.4	0.230
220	721.8	0.223
225	738.2	0.216
230	754.6	0.209
235	771.0	0.202
240	787.4	0.195
245	803.8	0.189
250	820.2	0.183
255	836.6	0.177
260	853.0	0.171
265	869.4	0.166
270	885.8	0.160
275	902.2	0.155
280	918.6	0.150
285	935.0	0.145
290	951.4	0.141
295	967.8	0.136
300	984.3	0.132

FID	Facility ID	Facility Na	Address	City	State	Zip	County	Latitude	Longitude	Source Details	NAICS Nun	NAICS Sector	NAICS Subsector	NAICS Industry	Cancer Ris	Chronic Ha	PM 2.5	x	y
1148	1771	City of San	2339 Gian	Santa Clar	CA	95050	Santa Clar	37.4	-121.96	No Data	221112	Utilities	Utilities	Fossil Fuel Electric Pov	7.96	0.06	6.84	591352.61	4139747.18
4369	17392	City of San	2337 Gian	Santa Clar	CA	95054	Santa Clar	37.4	-121.97	Generators	221320	Utilities	Utilities	Sewage Treatment Fa	4.15	0	0.01	591385.85	4139735.56
4938	20241	RS Alamed	5101 Lafay	Santa Clar	CA	95054	Santa Clar	37.41	-121.96	Generators	518210	Information	Data Processing, H	Data Processing, Host	4.58	0	0.01	591499.07	4140558.45

Appendix D

Special-Status Species with Potential to Occur in the Project Area

APPENDIX D
SPECIAL-STATUS SPECIES WITH POTENTIAL TO OCCUR AT THE PROJECT AREA

Common Name *Scientific Name*	Status (Federal/ State/CRPR)	Habitat Requirements	Identification/ Survey Period	Potential to Occur
Plants				
alkali milk-vetch *Astragalus tener* var. *tener*	--/--/1B.2	Alkaline flats and low ground in playas, vernally moist grassland, and vernal pools.	Blooming period: March - June	**Moderate.** Suitable habitat is present and CNDDB records within 5 miles of Project area.
brittlescale *Atriplex depressa*	--/--/1B.2	Species is found on alkali clay soils in chenopod scrub, playas, and vernal pools.	Blooming period: April – October	**Moderate.** Suitable habitat is present and CNDDB records within 5 miles of Project area.
lesser saltscale *Atriplex minuscula*	--/--/1B.1	Species is found on alkali clay soils in chenopod scrub, playas, and grassland.	Blooming period: May – October	**Moderate.** Suitable habitat is present and CNDDB records within 5 miles of Project area.
Congdon's tarplant *Centromadia parryi* ssp. *congdonii*	--/--/1B.1	Species is found in terraces, swales, floodplains, grasslands, and disturbed sites.	Blooming period: May – November	**Moderate.** Suitable habitat is present but there are no CNDDB records within 5 miles of Project area.
Point Reyes salty bird's-beak *Chloropyron maritimum* ssp. *palustre*	--/--/1B.2	Species is found in coastal salt marsh.	Blooming period: June – October	**Moderate.** Suitable habitat is present but there are no CNDDB records within 5 miles of Project area.
robust spineflower *Chorizanthe robusta* var. *robusta*	FE/--/ 1B.1	Species is found in coastal bluff scrub, coastal dunes openings in cismontane woodland, on sandy soil.	Blooming period: April - September	**Low.** Suitable habitat is not present and no CNDDB records within 5 miles of Project area.
Hoover's button-celery *Eryngium aristulatum* var. *hooveri*	--/--/1B.1	Species found in vernal pools, seasonal wetlands, occasionally alkaline.	Blooming period: June – August	**Moderate.** Suitable habitat is present and CNDDB records within 5 miles of Project area.
San Joaquin spearscale *Extriplex joaquinana*	--/--/1B.2	Alkaline soils in seasonal alkali wetlands or alkali sink scrub in association with *Distichlis spicata* and *Frankenia*.	Blooming period: April - October	**Moderate.** Suitable habitat is present but no CNDDB records within 5 miles of Project area.
Contra Costa goldfields *Lasthenia conjugens*	FE/--/ 1B.1	Vernal pools, swales, wet meadows, alkaline playas, and low depressions in open grassy areas.	Blooming period: March - June	**Moderate.** Suitable habitat is present and CNDDB records within 5 miles of Project area.
Hall's bush-mallow *Malacothamnus hallii*	--/--/1B.2	Chaparral, coastal scrub.	Blooming period: April – October	**Low.** Suitable habitat is not present and no CNDDB records within 5 miles of Project area.
prostrate vernal pool navarretia *Navarretia prostrata*	--/--/1B.2	Mesic, alkaline soils in grasslands or in vernal pools.	Blooming period: April - July	**Moderate.** Suitable habitat is present and CNDDB records within 5 miles of Project area.
long-styled sand-spurrey *Spergularia macrotheca* var. *longistyla*	--/--/1B.2	Marshes and swamps, meadows and seeps.	Blooming period: February - May	**Moderate.** Suitable habitat is present and CNDDB records within 5 miles of Project area.
most beautiful jewelflower *Streptanthus albidus* ssp. *peramoenus*	--/--/1B.2	Chaparral, valley and foothill grassland, cismontane woodland.	Blooming period: March - October	**Low.** Suitable habitat is not present and there are no CNDDB records within 5 miles of Project area.

Common Name *Scientific Name*	Status (Federal/ State/CRPR)	Habitat Requirements	Identification/ Survey Period	Potential to Occur
California seablite *Suaeda californica*	FE/--/ 1B.1	Coarse beaches at upper elevations of saline tidal marsh.	Blooming period: July - October	**Low.** Suitable habitat is not present and there are no CNDDB records within 5 miles of Project area.
saline clover *Trifolium hydrophilum*	--/--/1B.2	Marshes and swamps, valley and foothill grassland, vernal pools.	Blooming period: April – June	**Moderate.** Suitable habitat is present but there are no CNDDB records within 5 miles of Project area.
California alkali grass *Puccinellia simplex*	--/--/1B.2	Alkaline and vernally mesic soils on sinks, flats, and lake margins.	Blooming period: June – July	**Moderate.** Suitable habitat is present and CNDDB records within 5 miles of Project area.
northern slender pondweed *Stuckenia filiformis* ssp. *alpina*	--/--/2B.2	Shallow freshwater marshes and swamps.	Blooming period: May – July	**Low.** Suitable habitat is limited and there is only one CNDDB record (from 1977) within 5 miles of Project area.
Wildlife				
Invertebrates				
vernal pool tadpole shrimp *Lepidurus packardi*	FE/--	Inhabits vernal pools, swales, and stock ponds in the Central Valley and San Francisco Bay-Delta containing clear to highly turbid water.	USFWS protocol-level wet-season sampling and dry season cyst identification	**Moderate.** Some suitable habitat is present, and there are recent CNDDB records within 5 miles of the Project area in the vicinity of the Newark Substation.
Vernal pool fairy shrimp *Branchinecta lynchi*	FT/--	Endemic to the grasslands of the Central Valley, Central Coast mountains, and South Coast mountains, in astatic rain-filled pools. Inhabit small, clear-water sandstone-depression pools and grassy swale, earth slump, or basalt-flow depression pools.	USFWS protocol-level wet-season sampling and dry season cyst identification	**Low.** Some suitable habitat is present, but there are no recent CNDDB records within 5 miles of the Project area.
monarch - California overwintering population *Danaus plexippus plexippus* pop. 1	FC/--	Monarch butterfly breeding and larval habitat is on milkweed plants in open fields and meadows. During winter it stays in colonies in eucalyptus, Monterey cypress and other trees from northern California and to Baja California, Mexico and at high altitudes in Mexico.	Adults active between April and October.	**Low.** Individuals may occur onsite, but there are no known colonial wintering locations in the Project area. There are two known wintering colonies in CNDDB within 5 miles of the Project area.
Large marble butterfly *Euchloe ausonides ausonides*	--/--	Occur in a variety of open habitats, including grasslands, meadows, and disturbed and weedy areas. Associated with common mustards found throughout the Sacramento Valley and San Francisco Bay areas.	Flight season is estimated to be February - April	**Moderate**. Weedy mustards such as wild radish, field mustard, and black mustard provide potential caterpillar habitat on much of the site.
Western bumble bee *Bombus occidentalis*	--/CT	Found in mixed woodlands, farmlands, meadows and grasslands. Nests underground in burrows or hollows; requires habitat with ample floral resources from spring through autumn.	April - September	**Moderate**. Some suitable habitat is present in the Project area, but the Project area is outside this species' current range and there are no recent CNDDB records within 5 miles of the Project area.
Crotch's bumble bee *Bombus crotchii*	--/CT	Species is found from coastal California east to the Sierra-Cascade crest and south into Mexico in relatively hot and dry grassland and scrub habitats.	April - August	**Moderate.** Some suitable habitat is present, and the Project area is within this species' current range. There are no recent CNDDB records within 5 miles of the Project area.

Common Name *Scientific Name*	Status (Federal/ State/CRPR)	Habitat Requirements	Identification/ Survey Period	Potential to Occur
Amphibians				
California tiger salamander - central California DPS *Ambystoma californiense* pop. 1	FT/CT	Species lives in vacant or mammal-occupied burrows throughout most of the year in grassland, savanna, or open woodland habitats.	October – May	**High.** Suitable habitat is present and there are CNDDB records within 5 miles of Project area.
California red-legged frog *Rana draytonii*	FT/CSC	Found in or within 300 feet of aquatic habitat. Breed in quiet, slow-moving streams, ponds, or marsh communities with emergent vegetation or dense riparian vegetation. May disperse up to two miles between suitable aquatic habitat.	Aquatic surveys of breeding sites optimally after April 15	**Low**. Suitable habitat is limited in Project area and there is one recent CNDDB record within 2 miles.
foothill yellow-legged frog - central coast DPS *Rana boylii* pop. 4	FT/CE	Inhabits partially shaded, rocky streams with perennial flow at low to moderate elevations, in areas of chaparral, open woodland, and forest. Elevation range extends from sea level to around 7,000 feet. San Francisco Peninsula and Diablo Range south of San Francisco Bay Estuary, and south through the Santa Cruz and Gabilan Mountains east of the Salinas River in the southern inner Coast Ranges.	Surveys of breeding sites between April - June	**Low**. Suitable habitat is very limited in Project area and there are no recent CNDDB records within 5 miles.
Reptiles				
Northwestern pond turtle *Actinemys marmorata*	PT/CSC	Agricultural wetlands and other wetlands such as irrigation and drainage canals, low gradient streams, marshes, ponds, sloughs, small lakes, and their associated uplands below 6000 ft elevation.	Active outside of dormancy period November – February	**Moderate.** Suitable habitat is present in Project area and there are several recent CNDDB records within 5 miles.
Northern California legless lizard *Anniella pulchra*	--/CSC	Species is found in sandy or loose loamy soils under sparse vegetation, in coastal sand dunes, desert scrub, chaparral, pine-oak woodland, and riparian, from Contra Costa County south to the tip of the Coast Ranges, in parts of the San Joaquin Valley and the western edge of the Sierra Nevada mountains.	Year-round	**Low.** Suitable habitat is very limited in Project area and there are no recent CNDDB records within 5 miles.
Alameda whipsnake *Masticophis lateralis euryxanthus*	FT/CT	Typically found in chaparral and scrub habitats but will also use adjacent grassland, oak savanna, and woodland habitats.	Active outside of dormancy period November – February	**Low.** Suitable habitat is absent in Project area and there is one recent CNDDB records within 5 miles.
Fish				
steelhead - central California coast DPS *Oncorhynchus mykiss irideus* pop. 8	FT/--	DPS includes all naturally spawned populations of steelhead (and their progeny) in streams from the Russian River to Aptos Creek, Santa Cruz County, California (inclusive). Also includes the drainages of San Francisco and San Pablo Bays.	Year-round	**High.** The Project area has some suitable habitat and Coyote Creek and Guadalupe River are critical habitat for this species.

Common Name *Scientific Name*	Status (Federal/ State/CRPR)	Habitat Requirements	Identification/ Survey Period	Potential to Occur
longfin smelt *Spirinchus thaleichthys*	FC/CT	Euryhaline, nektonic and anadromous. Found in open waters of estuaries, mostly in middle or bottom of water column.	Year-round	**Moderate.** The Project area has some suitable habitat and this species could be found in the tidally-influenced reaches of the rivers, creeks, and sloughs in the Project area.
green sturgeon - southern DPS *Acipenser medirostris* pop. 1	FT/--	Species spawns in the Sacramento, Feather and Yuba Rivers and possibly in upper Stanislaus and San Joaquin Rivers. Non-spawning adults occupy marine/estuarine waters.	Year-round	**Moderate.** The Project area has some suitable habitat and this species could be found in the tidally-influenced reaches of the rivers, creeks, and sloughs in the Project area.
White sturgeon *Acipenser transmontanus*	--/CPT	Found along West Coast, from northern Mexico up to the Aleutian Islands. Primarily live in estuaries of large rivers in deep, soft-bottomed areas of estuaries, where movements in water column depend on salinity. Migrate to spawn in freshwater.	Year-round	**Low.** The Project area has suitable habitat in tidally-influenced waters but species has not been recorded in this area.
Birds				
yellow rail *Coturnicops noveboracensis*	--/CSC	Breeds in moist sedge/rush meadows and marshes. Isolated populations in southeast Oregon and northeast California. Rare but regular winter visitor to San Francisco Bay Estuary wet meadows and coastal tidal marshes.	January – April	**Low.** The Project area has limited suitable habitat and there is one CNDDB record (from 2013) within 5 miles.
California black rail *Laterallus jamaicensis coturniculus*	--/CE, FP	Inhabits saltwater, brackish, and freshwater marshes. Nests in high marsh portions of salt marshes, shallow freshwater marshes, wet meadows, and flooded grass in dense vegetation.	January – May	**Moderate**. The Project area has limited suitable habitat for this species. There are several CNDDB records within 1 mile from the last 10 years.
California Ridgway's rail *Rallus obsoletus obsoletus*	FE/CE, FP	Saltwater and brackish marshes traversed by tidal sloughs in the vicinity of San Francisco Bay. Prefers larger and more saline marshes.	January – April	**Moderate**. The Project area has limited suitable habitat for this species. There are several CNDDB records within 5 miles from the last 10 years.
western snowy plover *Charadrius nivosus nivosus*	FT/--	Species is found on sandy beaches, salt ponds, and shores of large alkali lakes.	Year-round	**Low**. The Project area does not have nesting or foraging habitat for this species. Several CNDDB records within 5 miles from the last 10 years.
black skimmer *Runchos niger*	--/CSC	Species is found on sandy beaches, salt ponds, and shores of large lakes. Nest on open sand or salt marsh, gravel or shell bars with sparse vegetation near water.	April – October	**Moderate**. The Project area does not have nesting habitat for this species, but the species is known to nest at Pond A16 less than 1 mile from proposed Newark to NRS transmission line.
California least tern *Sternula antillarum browni*	FE/CE, FP	Nests in colonies on relatively open beaches along the coast from San Francisco Bay south to northern Baja California.	Year-round	**Low**. The Project area does not have ideal nesting habitat for this species. No CNDDB records within 5 miles within the last 10 years.
white-tailed kite *Elanus leucurus*	--/FP	Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland.	Year-round	**Moderate.** There is suitable foraging and nesting habitat in the Project area, but only one CNDDB record from 2004.

Common Name *Scientific Name*	Status (Federal/ State/CRPR)	Habitat Requirements	Identification/ Survey Period	Potential to Occur
golden eagle *Aquila chrysaetos*	--/FP	Species is found in rolling foothills, mountain areas, sage-juniper flats, and desert.	Year-round	**Moderate.** The Project area has limited suitable foraging habitat and there is one recent CNDDB nesting record within 1 mile.
Bald eagle *Haliaeetus leucocephalus*	--/CE, FP	Typically nest and forage near estuaries, large lakes, reservoirs, rivers, and coasts.	Year-round	**Moderate.** The Project area has limited suitable foraging habitat and there is one CNDDB nesting record within 1 mile.
Northern harrier *Circus hudsonius*	--/CSC	Inhabits marshes, prairies, and grasslands. Nests on ground in shrubby vegetation, usually at marsh edge.	Year-round	**Moderate.** May forage over area but suitable isolated, dense grassland or marsh nesting habitat is very limited.
Swainson's hawk *Buteo swainsoni*	-/CT	Species breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees.	March – April	**Low.** This species is not expected in the Project area and there are no recent CNDDB records within 5 miles.
Western burrowing owl *Athene cunicularia hypugaea*	-/SC	Species is found in open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation.	Year-round	**High.** Numerous records near Project area, especially southeast of Newark Substation.
Peregrine falcon *Falco peregrinus anatum*	--/FP	Found from tundra to tropics in habitat types including wetland, desert, and forest. Nests high off the ground over an open area, often on cliffs or tall buildings.	Year - round	**Low.** Limited nesting habitat and no CNDDB records within 5 miles, but species may forage over Project area.
Bank swallow *Riparia riparia*	--/CT	Nests in riverbanks and forages over riparian areas and adjacent uplands.	April – July	**Low**. The Project area does not provide suitable nesting habitat for this species. No recent CNDDB records are documented within 5 miles.
Alameda song sparrow *Melospiza melodia pusillula*	--/CSC	Resident of salt marshes bordering south arm of San Francisco Bay.	Year-round	**High.** The Project area has some suitable habitat and there are several CNDDB records within 5 miles.
Tricolored blackbird *Agelaius tricolor*	--/CT, CSC/-- (nesting colony)	Nests in dense blackberry, cattail, tules, bulrushes, sedges, willow, or wild rose within freshwater marshes. Nests in large colonies of at least 50 pairs (up to thousands of individuals).	February – August	**Low**. The Project area does not have suitable freshwater marsh habitat large enough for a nesting colony, but annual grassland onsite provides suitable foraging habitat for this species.
saltmarsh common yellowthroat *Geothlypis trichas sinuosa*	--/CSC	Resident of the San Francisco Bay region, in freshwater and saltwater marshes.	February – August	**Moderate.** The Project area has some suitable habitat and there are several CNDDB records within 5 miles.
Mammals				
salt marsh harvest mouse *Reithrodontomys raviventris*	FE/CE, FP	Only in the saline emergent wetlands of San Francisco Bay and its tributaries.	Year-round	**High** ~~**Moderate**~~**.** The Project area has suitable habitat in the vicinity of Coyote Creek, and there are numerous CNDDB records within 5 miles.

Common Name *Scientific Name*	Status (Federal/ State/CRPR)	Habitat Requirements	Identification/ Survey Period	Potential to Occur
salt marsh wandering shrew *Sorex vagrans halicoetes*	--/CSC	Salt marshes of the south arm of San Francisco Bay.	Year-round	**Low.** The Project area has some suitable habitat but there are few recent CNDDB records within 5 miles. Species is secretive and rarely encountered.
American badger *Taxidea taxus*	--/CSC	Prefers open areas, scrub and dry grasslands with loose soil for burrowing, as well as agricultural land.	Year-round	**Low.** The Project area has some suitable habitat, but the few recent CNDDB records within 5 miles are in Mission Hills to the east.
Hoary bat *Lasiurus cinereus*	WBWG-M	Prefers coniferous or mixed forests with edges for foraging; typically roosts in dense foliage of trees.	Year-round	**Low.** May roost in trees within 5 miles of Project area and forage over habitats onsite.
Townsend's big-eared bat *Corynorhinus townsendii*	--/CSC	Roosts in caves or mines in upland forest, chaparral and scrub, grassland, lower montane coniferous forest, meadows, and valley and foothill grassland. Forages in edge habitats near streams.	Year-round	**Low.** No suitable roost habitat in Project area but species may forage over habitats onsite. No CNDDB records within 5 miles.
Pallid bat *Antrozous pallidus*	--/CSC	Roosts in trees, cliffs, or buildings in deserts, grasslands, shrublands, or woodlands. Most common in open, dry habitats with rocky roosting areas. Sensitive to disturbance.	Year-round	**Low.** Suitable roosting habitat is limited in Project area, but species may forage over habitats onsite. No CNDDB records within 5 miles.

Status Codes

Federal:

FE = federal endangered
FT = federal threatened
FC = candidate
PT = proposed threatened
FPD = proposed for delisting
FD = delisted
EFH = Essential Fish Habitat

California:

CE = California state endangered
CT = California state threatened
CR = California state rare
CSC = California species of special Concern
CCT = California state threatened candidate
CFP = California fully protected
SC = California state candidate for listing

CNPS Rank Categories:

1A = Plants presumed extirpated in California and either rare or extinct elsewhere
1B = Plants Rare, Threatened, or Endangered in California and elsewhere.
2A = Plants presumed extirpated in California, but more common elsewhere
2B = Plants Rare, Threatened, or Endangered in California, but more common elsewhere
3 = Plants about which more information is needed - A Review List

CNPS Code Extensions:

.1 = Seriously endangered in California (over 80% of occurrences threatened/high degree and immediacy of threat)
.2 = Fairly endangered in California (20-80% occurrences threatened)

WBWG-M Western Bat Working Group Medium Priority Species

SOURCES: CDFW, 2024; CNPS, 2024; USFWS, 2024
USGS 7.5 minute quadrangles Milpitas, Newark, Niles, San Jose West, San Jose East, Cupertino, Mountain View, and Calaveras Reservoir.

Appendix E
Noise Appendix

CARLSBAD
CLOVIS
IRVINE
LOS ANGELES
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROSEVILLE
SAN LUIS OBISPO

MEMORANDUM

DATE: December 18, 2023

TO: Jeremy Louden, Ldn Consulting, Inc.

FROM: J.T. Stephens, Principal, Senior Noise Specialist
Moe Abushanab, Noise Engineer

SUBJECT: Existing Noise Measurements for the Power the South Bay Project in Newark, California

INTRODUCTION

At the request of Ldn Consulting, Inc., LSA gathered ambient noise measurements at the Power the South Bay Project (project) in the City of Newark. The purpose of the noise assessment is to evaluate the existing noise levels generated by surrounding roadways, commercial and industrial use operations, and aircraft activities in the vicinity of the project.

OVERVIEW OF THE EXISTING NOISE ENVIRONMENT

The dominant sources of noise in the vicinity of the project are traffic noise on Boyce Road, Automall Parkway, Grand Boulevard, Lafayette Street, Highway 237, and other local roadways. Noise from aircraft and railroad operations also contribute to the existing noise environment.

Existing Noise Measurements

To assess noise levels at the project, three long-term 24-hour measurement and three short-term measurements (15 minutes) were gathered from December 12, 2023, to December 13, 2023. Tables A and B present the results of the existing noise measurements and Figure 1 presents the noise monitoring locations.

The results in Table A below indicate that noise levels range from 66.6 dBA L_{dn} to 73.1 dBA L_{dn}, the results in Table B indicate that average noise levels range from 55.8 dBA L_{eq} to 65.3 dBA L_{eq}.

Table A: Existing Noise Level Measurements – Long Term

Location Number	Location Description	Noise Levels (dBA L_{eq})		Average Daily Noise Levels (dBA L_{dn})	Primary Noise Sources
		Daytime[1]	Nighttime[2]		
LT-1	On a tree in the vacant land located at southwest corner of Boyce Road and Automall Parkway, approximately 75 feet from the Boyce Road centerline and approximately 150 feet from the Automall Parkway centerline.	63.2 – 68.9	57.2 – 66.1	68.9	Traffic on Boyce Road and Automall Parkway.
LT-2	On a tree, 1st tree opposite of residence at Grand Boulevard, approximately 25 feet away from Grand Boulevard centerline.	51.8 – 68.7	42.3 – 67.4	66.6	Traffic on Grand Boulevard and Spreckles Avenue. Aircraft noise.
LT-3	On a light pole with sign, east of Lafayette street, approximately 55 feet away from Lafayette Street centerline.	66.9 – 77.0	55.2 – 71.0	73.1	Traffic on Lafayette Street. Aircraft noise Train Passby.

Source: Compiled by LSA (December 2023).
[1] Daytime Noise Levels = noise levels during the hours of 7:00 a.m. to 10:00 p.m.
[2] Nighttime Noise Levels = noise levels during the hours of 10:00 p.m. to 7:00 a.m.
dBA = A-weighted decibels
ft = foot/feet
L_{dn} = day-night noise level
L_{eq} = equivalent continuous sound level
LT = long-term

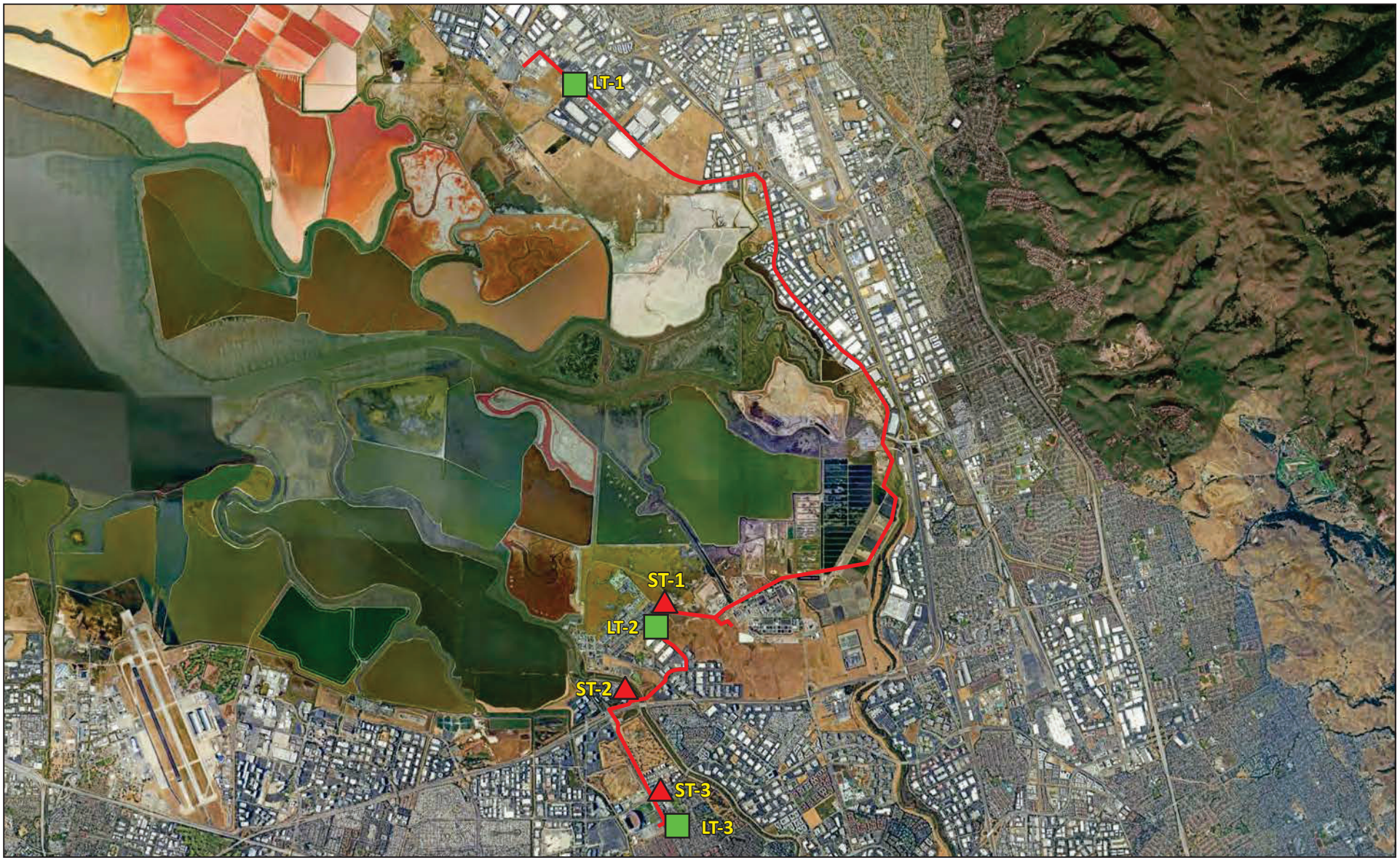
Table B: Existing Noise Level Measurements – Short Term

Location Number	Location Description	Date/Time	Average Noise Level (L_{eq})	Primary Noise Sources
ST-1	Northeast corner of Spreckles Avenue and Grand Boulevard, approximately 35 feet from Grand Boulevard centerline and 50 feet from Spreckles Avenue centerline.	12/12/2023 10:52 a.m. – 11:07 a.m.	65.3	Traffic on Grand Avenue, mainly trucks. Aircraft noise
ST-2	Parking lot of Xperi, 3rd parking spot from west (near park), south of residence on Channel Drive, approximately 550 feet from the freeway 237 centerline.	12/12/2023 11:30 a.m. – 11:45 a.m.	55.8	Traffic on Freeway 237.
ST-3	East of Lafayette Street, opposite residence at 2355 Avenida De Guadalupe, approximately 75 feet away from the Lafayette Street centerline.	12/12/2023 1:10 p.m. – 1:25 p.m.	62.2	Traffic on Lafayette and Tasman Drive. Aircraft noise and train Passby.

Source: Compiled by LSA (December 2023).
dBA = A-weighted decibel(s)
ft = foot/feet
L_{eq} = equivalent continuous sound level
ST = short-term

ATTACHMENT A

FIGURE



LSA

LEGEND

Project Location

ST-1 Short-term Noise Monitoring Location

LT-1 Long-term Noise Monitoring Location

N

0 5.2 1.4

MILES

SOURCE: Google Earth 2023

FIGURE 1

Power the South Bay Project

Noise Monitoring Locations

I:\20231211\G\Noise_Locs.ai (12/15/2023)

ATTACHMENT B

NOISE MEASUREMENT DATA SHEETS

Noise Measurement Survey – 24 HR

Project Number: 20231211
Project Name: Power the South Bay

Test Personnel: Moe Abushanab
Equipment: Spark 906RC (SN:17637)

Site Number: LT-1 Date: 12/12/2023

Time: From 10:00 a.m. To 10:00 a.m.

Site Location: On a tree in the vacant land located at southwest corner of Boyce Road and Automall Parkway, approximately 75 feet from the Boyce Road centerline and approximately 150 feet from the Automall Parkway centerline.

Primary Noise Sources: Traffic on Boyce Road and Automall Parkway

Comments:

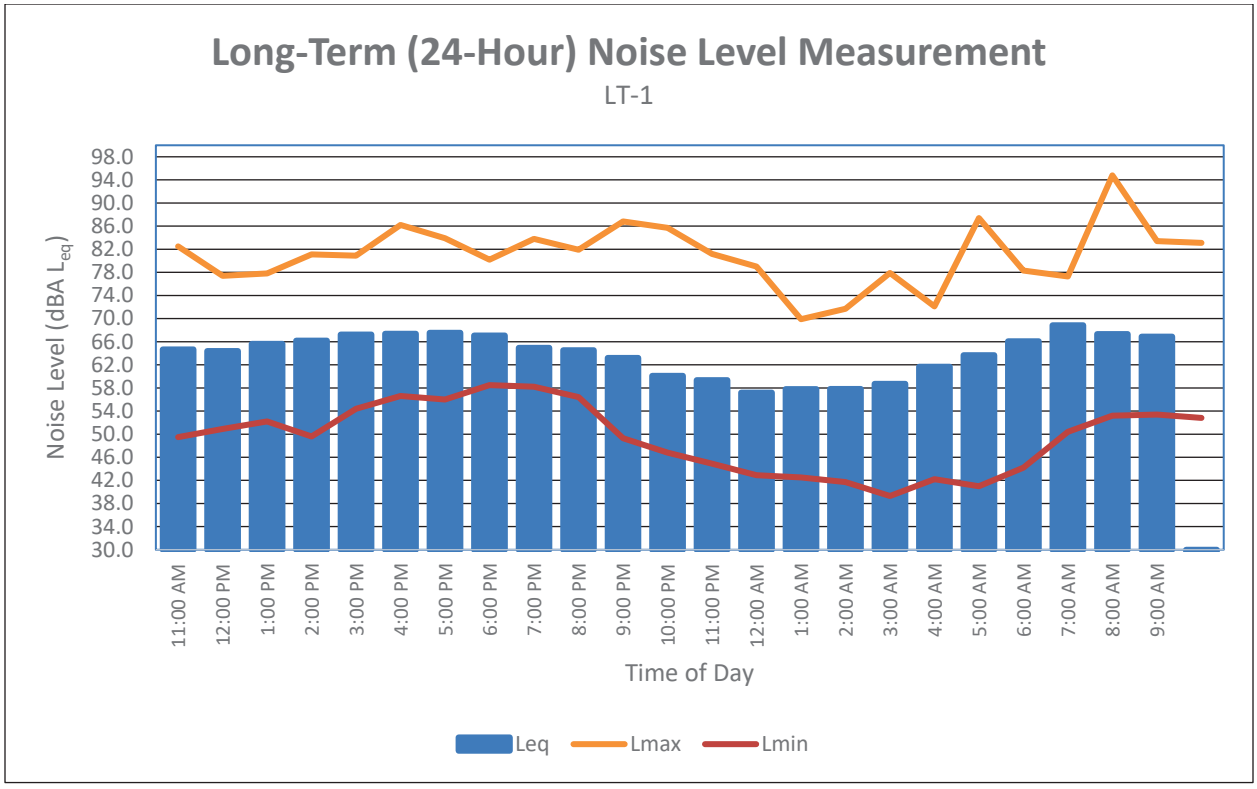
Photo:



Long-Term (24-Hour) Noise Level Measurement Results at LT-1

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
10:00 AM	12/12/23	66.1	82.5	49.5
11:00 AM	12/12/23	64.7	77.4	50.9
12:00 PM	12/12/23	64.4	77.8	52.2
1:00 PM	12/12/23	65.6	81.1	49.6
2:00 PM	12/12/23	66.2	80.9	54.4
3:00 PM	12/12/23	67.2	86.2	56.6
4:00 PM	12/12/23	67.4	83.9	56.0
5:00 PM	12/12/23	67.6	80.2	58.5
6:00 PM	12/12/23	67.1	83.8	58.2
7:00 PM	12/12/23	64.9	81.9	56.4
8:00 PM	12/12/23	64.5	86.8	49.3
9:00 PM	12/12/23	63.2	85.7	46.8
10:00 PM	12/12/23	60.1	81.2	44.9
11:00 PM	12/12/23	59.4	79.0	42.9
12:00 AM	12/13/23	57.2	69.9	42.5
1:00 AM	12/13/23	57.8	71.7	41.7
2:00 AM	12/13/23	57.8	77.9	39.3
3:00 AM	12/13/23	58.7	72.1	42.2
4:00 AM	12/13/23	61.7	87.4	41.0
5:00 AM	12/13/23	63.7	78.3	44.2
6:00 AM	12/13/23	66.1	77.3	50.4
7:00 AM	12/13/23	68.9	94.8	53.2
8:00 AM	12/13/23	67.3	83.4	53.4
9:00 AM	12/13/23	66.9	83.1	52.8

Source: Compiled by LSA Associates, Inc. (2023).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level


Long-Term (24-Hour) Noise Level Measurement
LT-1
Noise Level (dBA Leq)
98.0
94.0
90.0
86.0
82.0
78.0
74.0
70.0
66.0
62.0
58.0
54.0
50.0
46.0
42.0
38.0
34.0
30.0
11:00 AM
12:00 PM
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM
6:00 PM
7:00 PM
8:00 PM
9:00 PM
10:00 PM
11:00 PM
12:00 AM
1:00 AM
2:00 AM
3:00 AM
4:00 AM
5:00 AM
6:00 AM
7:00 AM
8:00 AM
9:00 AM
Time of Day
Leq
Lmax
Lmin

Noise Measurement Survey – 24 HR

Project Number: 20231211
Project Name: Power the South Bay

Test Personnel: Moe Abushanab
Equipment: Spark 906RC (SN:18571)

Site Number: LT-2 Date: 12/12/2023

Time: From 11:00 a.m. To 11:00 a.m.

Site Location: On a tree, 1st tree opposite of residence at Grand Boulevard, approximately 25 feet away from Grand Boulevard centerline.

Primary Noise Sources: Traffic on Grand Boulevard and Spreckles Avenue , Occasional aircraft noise

Comments: Heavy trucks route

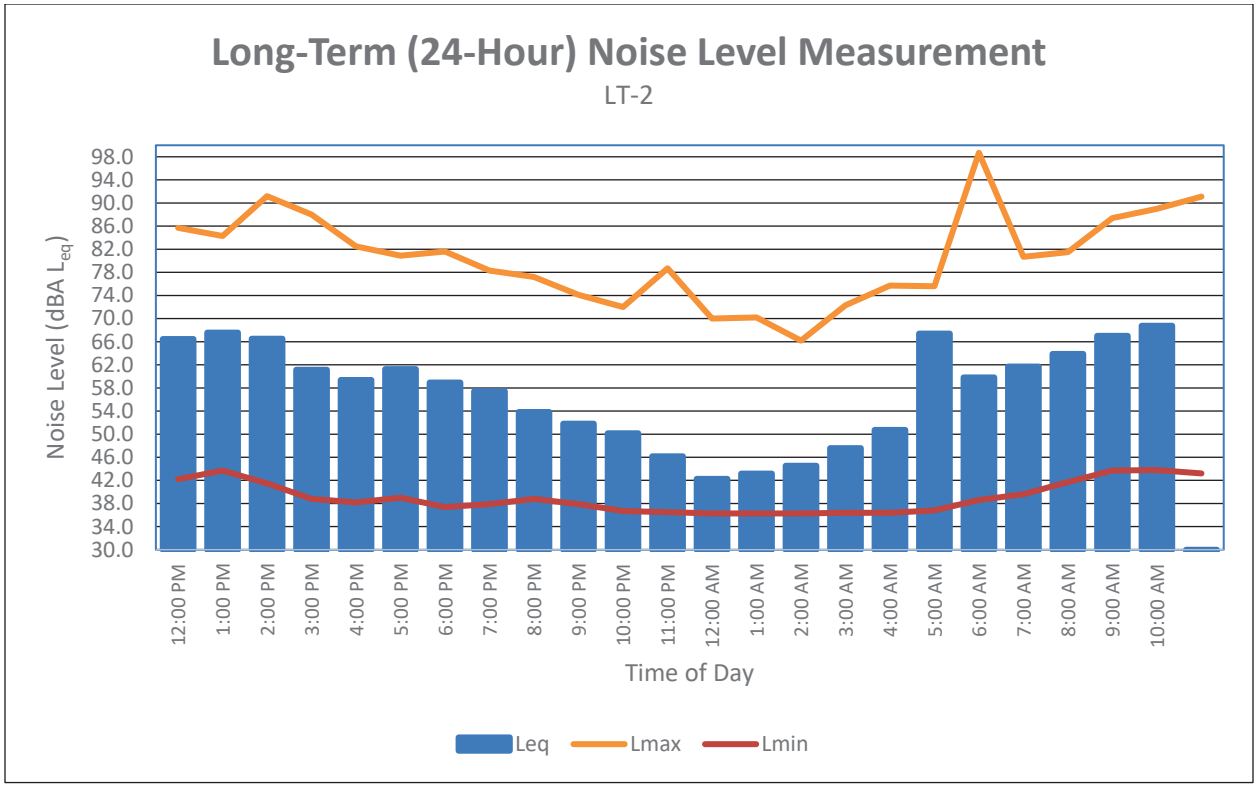
Photo:



Long-Term (24-Hour) Noise Level Measurement Results at LT-2

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
11:00 AM	12/12/23	66.5	85.7	42.2
12:00 PM	12/12/23	66.5	84.3	43.7
1:00 PM	12/12/23	67.6	91.2	41.5
2:00 PM	12/12/23	66.5	88.0	38.8
3:00 PM	12/12/23	61.1	82.5	38.2
4:00 PM	12/12/23	59.4	80.9	39.0
5:00 PM	12/12/23	61.2	81.6	37.4
6:00 PM	12/12/23	58.9	78.3	37.9
7:00 PM	12/12/23	57.4	77.2	38.8
8:00 PM	12/12/23	53.8	74.1	37.9
9:00 PM	12/12/23	51.8	72.0	36.7
10:00 PM	12/12/23	50.2	78.7	36.5
11:00 PM	12/12/23	46.2	70.0	36.3
12:00 AM	12/13/23	42.3	70.2	36.3
1:00 AM	12/13/23	43.2	66.2	36.3
2:00 AM	12/13/23	44.5	72.3	36.4
3:00 AM	12/13/23	47.6	75.7	36.4
4:00 AM	12/13/23	50.7	75.6	36.8
5:00 AM	12/13/23	67.4	98.7	38.6
6:00 AM	12/13/23	59.8	80.7	39.6
7:00 AM	12/13/23	61.7	81.5	41.7
8:00 AM	12/13/23	63.9	87.4	43.7
9:00 AM	12/13/23	67.0	89.0	43.8
10:00 AM	12/13/23	68.7	91.1	43.2

Source: Compiled by LSA Associates, Inc. (2023).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level


Long-Term (24-Hour) Noise Level Measurement
LT-2
Noise Level (dBA Leq)
98.0
94.0
90.0
86.0
82.0
78.0
74.0
70.0
66.0
62.0
58.0
54.0
50.0
46.0
42.0
38.0
34.0
30.0
12:00 PM
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM
6:00 PM
7:00 PM
8:00 PM
9:00 PM
10:00 PM
11:00 PM
12:00 AM
1:00 AM
2:00 AM
3:00 AM
4:00 AM
5:00 AM
6:00 AM
7:00 AM
8:00 AM
9:00 AM
10:00 AM
Time of Day
Leq
Lmax
Lmin

Noise Measurement Survey – 24 HR

Project Number: 20231211
Project Name: Power the South Bay

Test Personnel: Moe Abushanab
Equipment: Spark 906RC (SN:17815)

Site Number: LT-3 Date: 12/12/2023

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: On a light pole with sign, east of Lafayette street, approximately 55 feet away from Lafayette Street centerline

Primary Noise Sources: Traffic on Lafayette Street , Occasional aircraft noise, occasional train Passby

Comments: construction noise at a distance from the water pipeline improvement project

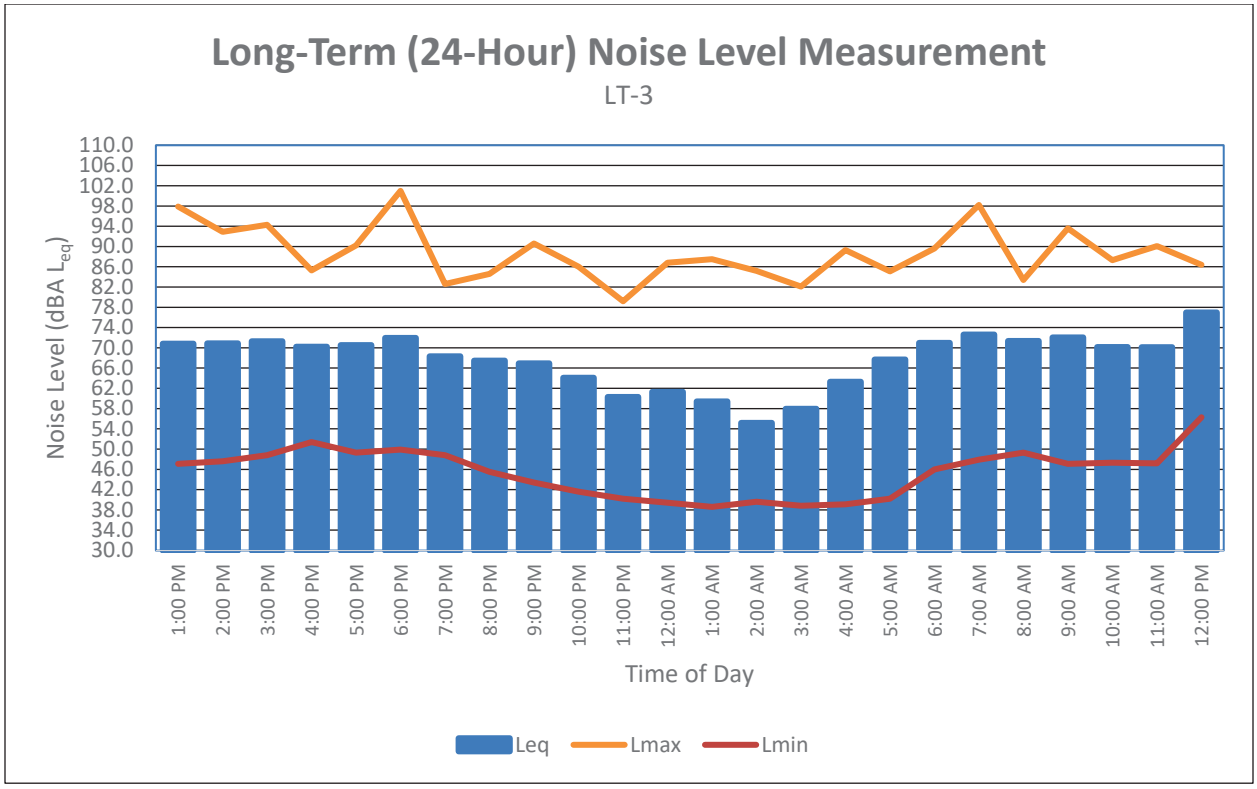
Photo:



Long-Term (24-Hour) Noise Level Measurement Results at LT-3

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
1:00 PM	12/12/23	70.8	97.9	47.1
2:00 PM	12/12/23	70.9	92.9	47.6
3:00 PM	12/12/23	71.3	94.3	48.8
4:00 PM	12/12/23	70.2	85.3	51.4
5:00 PM	12/12/23	70.5	90.2	49.3
6:00 PM	12/12/23	72.0	101.0	49.9
7:00 PM	12/12/23	68.3	82.6	48.8
8:00 PM	12/12/23	67.5	84.6	45.5
9:00 PM	12/12/23	66.9	90.6	43.4
10:00 PM	12/12/23	64.1	86.0	41.6
11:00 PM	12/12/23	60.3	79.2	40.2
12:00 AM	12/13/23	61.3	86.8	39.4
1:00 AM	12/13/23	59.4	87.5	38.6
2:00 AM	12/13/23	55.2	85.2	39.6
3:00 AM	12/13/23	58.0	82.1	38.8
4:00 AM	12/13/23	63.3	89.3	39.1
5:00 AM	12/13/23	67.7	85.1	40.2
6:00 AM	12/13/23	71.0	89.6	46.0
7:00 AM	12/13/23	72.6	98.2	47.9
8:00 AM	12/13/23	71.4	83.4	49.3
9:00 AM	12/13/23	72.1	93.6	47.1
10:00 AM	12/13/23	70.2	87.3	47.3
11:00 AM	12/13/23	70.1	90.1	47.2
12:00 PM	12/13/23	77.0	86.4	56.3

Source: Compiled by LSA Associates, Inc. (2023).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level


Long-Term (24-Hour) Noise Level Measurement
LT-3
Noise Level (dBA Leq)
110.0
106.0
102.0
98.0
94.0
90.0
86.0
82.0
78.0
74.0
70.0
66.0
62.0
58.0
54.0
50.0
46.0
42.0
38.0
34.0
30.0
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM
6:00 PM
7:00 PM
8:00 PM
9:00 PM
10:00 PM
11:00 PM
12:00 AM
1:00 AM
2:00 AM
3:00 AM
4:00 AM
5:00 AM
6:00 AM
7:00 AM
8:00 AM
9:00 AM
10:00 AM
11:00 AM
12:00 PM
Time of Day
Leq
Lmax
Lmin

Noise Measurement Survey

Project Number: 20231211
Project Name: Power the South Bay
Test Personnel: Moe Abushanab
Equipment: Larson Davis LxT

Site Number: ST-1 Date: 12/12/2023 Time: From 10:52 a.m. To 11:07 a.m.

Site Location: Northeast corner of Spreckles Avenue and Grand Boulevard, approximately 35 feet from Grand Boulevard centerline and 50 feet from Spreckles Avenue centerline.

Primary Noise Sources: Traffic on Grand Avenue, mainly trucks
Occasional aircraft

Measurement Results

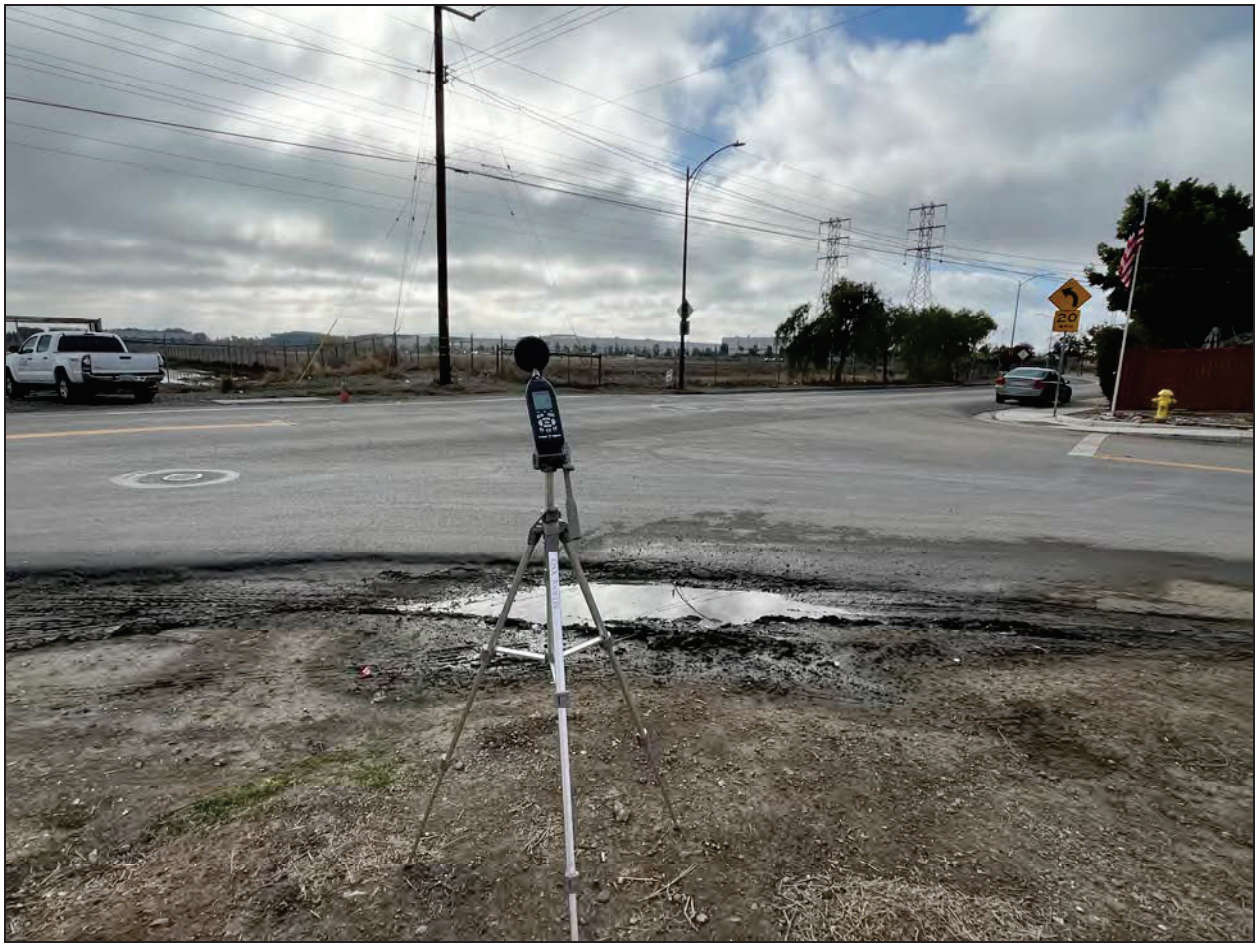
	dBA
L_{eq}	65.3
L_{max}	81.1
L_{min}	42.4
L_{peak}	101.2
L_2	75.3
L_8	70.5
L_{25}	63.5
L_{50}	54.0
L_{90}	43.4
L_{99}	42.8
SEL	

Atmospheric Conditions:

Maximum Wind Velocity (mph)	2.9
Average Wind Velocity (mph)	1.6
Temperature (F)	56.5
Relative Humidity (%)	64.0
Comments:	

Comments:

Location Photo:



Noise Measurement Survey

Project Number: 20231211
Project Name: Power the South Bay
Test Personnel: Moe Abushanab
Equipment: Larson Davis LxT

Site Number: ST-2 Date: 12/12/2023 Time: From 11:30 a.m. To 11:45 a.m.

Site Location: Parking lot of Xperi, 3rd parking spot from west (near park), south of residence on Channel Drive, approximately 550 feet from the Highway 237 centerline

Primary Noise Sources: Traffic on Highway 237

Measurement Results

	dBA
L_{eq}	55.8
L_{max}	60.9
L_{min}	51.5
L_{peak}	88.4
L_2	58.5
L_8	57.5
L_{25}	56.4
L_{50}	55.7
L_{90}	53.8
L_{99}	52.4
SEL	

Atmospheric Conditions:

Maximum Wind Velocity (mph)	1.4
Average Wind Velocity (mph)	0.8
Temperature (F)	61.0
Relative Humidity (%)	64.0
Comments:	

Comments:

Location Photo:



Noise Measurement Survey

Project Number: 20231211
Project Name: Power the South Bay
Test Personnel: Moe Abushanab
Equipment: Larson Davis LxT

Site Number: ST-3 Date: 12/12/2023 Time: From 1:10 p.m. To 1:25 p.m.

Site Location: East of Lafayette Street, opposite residence at 2355 Avenida De Guadalupe, approximately 75 feet away from the Lafayette Street centerline.

Primary Noise Sources: Traffic on Lafayette and Tasman Drive
Occasional aircraft and train passby

Measurement Results

	dBA
L_{eq}	62.2
L_{max}	71.3
L_{min}	49.0
L_{peak}	93.7
L_2	68.5
L_8	67.0
L_{25}	63.8
L_{50}	59.4
L_{90}	52.4
L_{99}	50.0
SEL	

Atmospheric Conditions:

Maximum Wind Velocity (mph)	2.3
Average Wind Velocity (mph)	1.5
Temperature (F)	63.7
Relative Humidity (%)	60.0
Comments:	

Comments:

Location Photo:



Supplement for PEA Section 3.13, *Noise and Vibration* , Table 5.13-5 (page 5.13-16)

Transmission Line Construction

Distance from source (feet)	Source dBA at 50 feet*	dBA at distance from source**
20	82.1	90.05880017

Notes:
*Source dBA at 50 feet obtained from PEA Table 5.13-5, Transportation Line Construction.
**Estimate at 20 feet is based on the basic attenuation rate of geometric spreading loss of 6.0 dBA per doubling of distance for a point source.

Source: Spreadsheet compiled by Environmental Science Associates, 2025.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 05/08/2025
Case Description: Power the South Bay Project - Construction Shoring Noise Levels

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Sensitive Receptor	Residential	70.0	60.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Vibratory Pile Driver	No	20		100.8	100.0	0.0
Crane	No	16		80.6	100.0	0.0
Dump Truck	No	40		76.5	100.0	0.0
Pickup Truck	No	40		75.0	100.0	0.0

Results

			Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Vibratory Pile Driver	94.8	87.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	74.5	66.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck	70.4	66.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pickup Truck	69.0	65.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	94.8	87.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix F
Preliminary Induction Study

ENGINEERING &
TECHNICAL SERVICES, INC.

January 20, 2025

Mr. Jacob Diermann & Mr. Jack Thessen
LS Power Grid California

Re: Power The South Bay Transmission Reliability Project
Electromagnetic Effects of AC High Voltage Circuit on Nearby Utilities-Revision 3
Alameda and Santa Clara Counties, California

Dear Mr. Diermann and Mr. Thessen:

ARK Engineering was contracted by LS Power Grid California to investigate the electromagnetic effects of the proposed AC high voltage circuit in the South Bay area onto nearby utilities to support the comprehensive environmental evaluation associated with the California Environmental Quality Act (CEQA) process.

A proposed 230 kV AC circuit, which will be approximately 2 miles of overhead and 10 miles of underground, will be installed in Alameda and Santa Clara Counties, California. Approximate utility locations within the area of the proposed electric circuits were provided by LS Power Grid California.

For the project's proposed AC circuit, ARK Engineering has identified two (2) gas pipelines that will cross and parallel in Santa Clara, California, and (1) gas pipeline that will cross and parallel in Fremont, California. The first pipeline will parallel the proposed AC circuit along Lafayette Street for approximately one (1) mile, and cross twice at approximate GPS locations: 37.402808°, -121.964418° and 37.416373°, -121.972347°. The second pipeline will parallel the proposed AC circuit along Highway 237 for approximately one thousand one hundred (1,100) feet, and cross the proposed AC circuit at approximate GPS location: 37.416491°, -121.972385° as it continues across Lafayette Street. The third pipeline will parallel the proposed AC circuit for approximately three (3) miles along Fremont Boulevard and will cross twice at approximate GPS locations: 37.489382°, -121.956776° (Cushing Parkway) and 37.454719°, -121.927225° McCarthy Boulevard). An additional study is warranted to evaluate any AC interference mitigation measures that may be required for these pipelines.

1. The following requirements relate to the CEQA guidelines: **Provide a description of potential shock hazards from the induced current caused by the proposed HVAC circuit.**

When coated metallic pipelines are in shared rights-of-way with high voltage electric transmission circuits, the pipelines can incur high induced voltages and currents due to AC interference effects. This situation can cause many safety issues if not mitigated effectively. The possible effects of this AC interference can include personnel subject to electric shock up to

a lethal level, accelerated corrosion, arcing through pipeline coating, arcing across insulators, disbondment or degradation of coating, or possible perforation of the pipeline.

AMPP/NACE Standard SP0177-2014 – Mitigation of Alternating Current and Lightning Effects on Metallic structures and Corrosion Control Systems, Section 5.2.1.1, states, "Safe limits must be determined by qualified personnel based on anticipated exposure conditions. For the purpose of this standard, a steady-state touch voltage of fifteen (15) V or more with respect to local earth at above-grade or exposed sections and appurtenances is considered to constitute a shock hazard."

Step and touch potential effects will be analyzed as part of this project work.

Step potential is the measurement of voltage that passes through the body, from one foot to the other.

Touch potential is the measurement of voltage that passes through the body, from one hand down through the foot.

Touch and step potential analysis will be completed at all above grade piping locations within proximity to the proposed AC transmission circuit.

Simulated AC fault scenarios should be analyzed contingent on their distance to the pipeline and their fault current values.

2. Provide a description of potential corrosion concerns from the induced current caused by the project's HVAC circuit, as applicable.

AC corrosion effects to a pipeline can occur when induced AC current caused by the proposed AC electromagnetic field leaves a metallic pipeline at a coating defect or holiday. AC density, associated with AC corrosion mechanisms, is calculated based on the induced AC potentials on the pipelines along with the soil resistivity in that area and the size of the coating holiday.

3. Provide a description of potential mitigation measures for induction related issues which may occur.

If AC interference effects are determined to be an issue to the nearby coated pipelines, AC mitigation or monitoring measures would be recommended.

Pipeline AC mitigation is accomplished by installation of gradient control wires (zinc ribbon or equivalent) or AC ground wells along the pipeline in the areas of computed high AC interference values. This method also reduces AC interference and AC coating stress voltages during fault conditions on the electric transmission circuits. These gradient control wires or ground wells would be connected to the pipeline at various locations through a solid-state decoupling (SSD) device. The AC mitigation system would be designed to reduce the pipeline AC electrical interference effects to acceptable levels for personnel safety and pipeline integrity.

Touch and step potentials, at above ground pipeline locations, during a fault condition on the electric circuits are mitigated using gradient control mats and/or crushed stone. These techniques reduce the AC potential between a person and the pipeline infrastructure to acceptable levels for personnel safety. These mitigation measures are developed through the

use of state-of-the-art interference modeling software and touch and step safety threshold calculations associated with the electric industry standard document IEEE Standard P80-2013.

4. **Because comprehensive utility and exact routing data for this project is not yet available, ARK Engineering will use estimated metallic utility locations to evaluate if effects the potential shock hazard or cathodic protection needs are below the level at which project-specific mitigation measures would be anticipated.**

Due to lack of verified information provided for this initial analysis, assumptions were utilized to analyze the proposed gas pipeline characteristics. The pipelines have been assumed as a 24" diameter pipeline with fusion bonded epoxy coating. This analysis includes the AC electric circuit conditions operating at steady state load conditions. The locations of the pipelines were approximated through a public GIS Viewer and information provided by LS Power Grid California.

The AC potentials for the three (3) modeled pipelines were computed below the industry standard fifteen (15) Volt design limit as specified by AMPP/NACE Standard SP0177-2014 during the provided peak load current of 1,255 Amps.

- During peak load conditions on the proposed electric transmission circuit, the maximum induced AC pipeline potential for pipeline 3 was computed to be approximately six (6) Volts, with respect to remote earth. Pipeline 2 maximum AC pipeline potentials were computed to be approximately two (2) Volts. Pipeline 1 maximum AC pipeline potentials were computed to be approximately five (5) Volts.

There are additional water lines in the area of study, however additional data is needed to accurately analyze those pipelines.

These touch voltage values do not indicate if the pipelines will have AC corrosion issues related to AC density calculations. Industry standard NACE SP21424-2018, "Alternating Current Corrosion on Cathodically Protected Pipelines: Risk Assessment, Mitigation and monitoring" Section 6.6.2 states that AC corrosion may occur when pipeline AC density levels increase above a time-weighted average of thirty (30) A/m^2 if DC current density exceeds one (1) A/m^2.

Even if the AC touch potentials are below their design limit, low soil resistivity can result in high AC density values. To calculate the AC density the average load current is utilized on all of the nearby high voltage electric transmission circuits. Typical soil resistivity measurements and utilizing the average load currents on the proposed circuit would result in AC density levels less than the NACE standard AC density limit for the pipelines. Actual soil resistivity data and existing high voltage electric transmission circuits would be considered to verify the possible AC density levels of these pipelines.

Any coated-metallic pipelines identified that parallel the proposed AC circuit at a closer separation distance or for a longer length than those modeled in this analysis should be analyzed for AC interference effects.

Multiple water pipelines have been observed to be in proximity of the South Bay AC circuit. These pipelines may need to be evaluated when additional information is available to complete an AC fault analysis.

To complete these studies, a coating stress analysis along with touch and step potential computations are recommended. Circuit fault current values are required to confirm that the effects from the proposed AC electric transmission circuit will not exceed the industry standard design limits for the existing buried infrastructure. Any pipelines found to be at the same distance or closer to the proposed circuit as the modeled pipelines should be evaluated further.

Please call or email the author if you have questions or require additional information regarding this analysis.

Kevin Hughes
Senior Project Engineer
Tel: 781-849-3800
Email: khughes@arkengineering.com

Appendix G

FINAL Mitigation Monitoring, Compliance, and Reporting Program

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

FINAL ~~DRAFT~~ MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM

LS Power Grid California's Power the South Bay Project

(APPLICATION NO. A.24-05-014)

Introduction

This document describes the mitigation monitoring, compliance, reporting, and program (MMCRP) for ensuring the effective implementation of the mitigation measures required for approval by the California Public Utilities Commission (CPUC) of the application by LS Power Grid California, LLC (LSPGC) to construct, operate, and maintain the Power the South Bay Project (Project). The MMCRP includes ~~all~~ Applicant-proposed measures (APMs) proposed by LSPGC, as well as all mitigation measures identified by the CPUC to reduce potentially significant impacts to less than significant.

During the CPUC's review of the Project pursuant to CEQA, the CPUC found that some APMs did not adequately mitigate environmental impacts and needed to be superseded or supplemented. In cases where an APM did not provide adequate mitigation, the CPUC put forth a mitigation measure that superseded the APM. In cases where an APM did provide some mitigative action, but did not fully provide adequate mitigation, the CPUC put forth a mitigation measure that supplemented the APM to provide adequate mitigation. APMs that have been supplemented by CPUC-recommended mitigation measures are considered part of the Project, and upon adoption of the Final EIR, would become part of the Final MMCRP. APMs that have been superseded by CPUC-recommended mitigation measures are not considered part of the Project and are not included in the Final MMCRP, although the mitigation measures that superseded these APMs are included in the Final MMCRP.

Additionally, Pacific Gas and Electric Company (PG&E) has also committed to implementing its own best managements practices (BMPs) and field protocols (FPs) on portions of the Project it would construct and operate, specifically work within the existing PG&E Newark 230 kV Substation and the interconnection line to the LSPGC transmission line. Silicon Valley Power (SVP) would be responsible for interconnection activities within its existing Northern Receiving Station (NRS) 230 kV Substation; however, SVP has proposed no construction measures to be implemented during this Project activity.

If the Project is approved, this MMCRP would serve as a self-contained general reference for the MMCRP adopted by the CPUC for the Project. If ~~and when~~ the Project is approved, the CPUC will compile the Final MMCRP to ensure that it includes all measures as adopted.

California Public Utilities Commission – MMCRP Authority

The California Public Utilities Code in numerous places confers authority upon the CPUC to regulate the terms of service and the safety, practices, and equipment of utilities subject to its jurisdiction. It is the standard practice of the CPUC, pursuant to its statutory responsibility to protect the environment, to require that mitigation measures stipulated as conditions of approval are implemented properly, monitored, and reported on. In 1989, this requirement was codified statewide as Section 21081.6 of the Public Resources Code. Section 21081.6 requires a public agency to adopt a reporting or monitoring program when it adopts a mitigated negative declaration for a project that could have potentially significant environmental effects. California Environmental Quality Act (CEQA) Guidelines Section 15097 was added in 1999 to further clarify agency requirements for mitigation monitoring and reporting.

The purpose of an MMCRP is to ensure that measures adopted to mitigate or avoid significant impacts of a project are implemented. The CPUC views the MMCRP as a working guide to facilitate not only the implementation of mitigation measures by the project proponent, but also the monitoring, compliance, and reporting activities of the CPUC and any monitors it may designate.

The CPUC will address its responsibility under Public Resources Code Section 21081.6 when it takes action on LSPGC's application. If the CPUC approves the application, it also will adopt a MMCRP that includes the mitigation measures, as well as the APMs and PG&E BMPs and FPs, the implementation of which will ultimately be made conditions of approval by the CPUC.

Because the CPUC must decide whether or not to approve the LSPGC application and because the application may cause either direct or reasonably foreseeable indirect effects on the environment, CEQA requires the CPUC to consider the potential environmental impacts that could occur as the result of its decision and to consider mitigation for any identified significant environmental impacts.

If the CPUC approves LSPGC's application for authority to construct the Project, LSPGC would be responsible for implementing all adopted APMs and CPUC-recommended mitigation measures governing the construction, operation, and maintenance of the Project. As noted above, PG&E would be responsible for implementing its BMPs and FPs applicable to its portion of the Project. Though other federal, State, and local agencies would have permit and approval authority over some aspects of the Project, the CPUC would continue to act as the lead agency for monitoring compliance with all mitigation measures required by the certified Final Environmental Impact Report (EIR). All approvals and permits obtained by LSPGC would be submitted to the CPUC prior to commencing the activity for which the permits and approvals were obtained.

In accordance with CEQA, the CPUC reviewed the impacts that would result from approval of the application. The Project primarily consists of a new 230-kilovolt (kV) alternating current (AC) transmission line that would be constructed and operated by LSPGC, plus improvements at PG&E's Newark 230 kV Substation and SVP's NRS 230 kV Substation, pursuant to CPUC General Order (GO) 131-D.[1] The Project is located primarily in the cities of Fremont, Milpitas, San José, and Santa Clara within Alameda and Santa Clara counties. It would originate at the existing PG&E Newark 230 kV Substation to the north

[1] On January 30, 2025, in Decision 25-01-055, the CPUC adopted General Order 131-E (GO 131-E), which supersedes GO 131-D. However, as LSPGC filed its CPCN application prior to the adoption of GO 131-E, the ~~this Draft~~ EIR has been prepared pursuant to the protocol under GO 131-D.

and terminate at the SVP NRS 230 kV Substation to the south. The transmission line would extend approximately 12 miles alternating between overhead and underground for 2 and 10 miles, respectively. The construction of the transmission line would include installation and/or modification of 15 overhead transmission structures. In addition, the Project would also include telecommunication infrastructure that would be co-located with the transmission line, which would include two telecommunication fiber optic cables.

The CPUC review concluded that implementation of the Project would result in one significant unmitigable impact related to air quality. This impact is related to SVP's interconnection work within the SVP NRS 230 kV Substation to accommodate the Project. All other impacts would be mitigated to less-than-significant levels or would be less than significant without the need for mitigation measures. LSPGC has agreed to incorporate all the CPUC-recommended mitigation measures into the Project. The CPUC has included the stipulated mitigation measures as conditions of approval of the application and has circulated a Draft EIR for public review.

The attached Final ~~Draft~~ EIR presents and analyzes potential environmental impacts that would result from construction, operation, and maintenance of the Project, and recommends mitigation measures as appropriate. Based on the Final ~~Draft~~ EIR, approval of the application would have no impact or less-than-significant impacts in the following areas:

- Agriculture and Forestry Resources
- Mineral Resources
- Noise
- Population and Housing

The Final ~~Draft~~ EIR indicates that approval of the application would result in potentially significant impacts in the areas listed below, and so identifies adopted APMs, PG&E BMPS and FPs, and CPUC-recommended mitigation measures that have been accepted by LSPGC to reduce the significance below established thresholds. Those APMs that have been superseded by CPUC-recommended mitigation measures are not considered part of the Project and are not included in the MMCRP.

- Aesthetics
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology, Soils, Seismicity, and Paleontological Resources
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire

Roles and Responsibilities

As the lead agency under CEQA, the CPUC is required to monitor the Project, if approved, to ensure that the required mitigation measures and adopted APMs are implemented. The CPUC will be responsible for

ensuring full compliance with the provisions of this MMCRP and has primary responsibility for implementation of the monitoring program. The purpose of the monitoring program is to document that the mitigation measures and APMs required and relied upon by the CPUC are implemented and that the mitigated environmental impacts are reduced to a less-than-significant level. The CPUC has the authority to halt any activity associated with the Project if the activity is determined to be a deviation from the approved Project or the adopted APMs and mitigation measures. PG&E will be responsible for reporting compliance with its own BMPs and FPs to the CPUC.

Consistent with CEQA Guidelines section 15097(a), the CPUC may delegate duties and responsibilities for monitoring to other mitigation monitors or consultants as deemed necessary. The CPUC will ensure that the person(s) delegated any duties or responsibilities are qualified to monitor compliance.

The CPUC, along with its mitigation monitor, will ensure that any minor Project refinement process, which will be designed specifically for the Project, or any deviation from the procedures identified under the monitoring program, is consistent with CEQA requirements. No minor Project refinement will be approved by the CPUC if it creates new significant environmental impacts. As defined in this MMCRP, a minor Project refinement should be strictly limited to minor Project changes that will not trigger other permit requirements, that does not increase the severity of an impact or create a new impact, and that clearly and strictly complies with the intent of the mitigation measure. A change to the Project that has the potential for creating significant environmental effects will be evaluated to determine whether supplemental CEQA review is required. Any proposed deviation from the approved Project and adopted APMs or mitigation measures, including correction of such deviation, shall be reported immediately to the CPUC project manager and the mitigation monitor assigned to the construction for their review and CPUC approval. In some cases, a minor Project refinement may also require approval by a CEQA responsible agency.

Enforcement and Responsibility

The CPUC is responsible for enforcing the procedures for monitoring through the mitigation monitor. The mitigation monitor shall note any problems with the implementation of mitigation, notify appropriate agencies or individuals about such problems, and report the problems to the CPUC. The CPUC has the authority to halt any construction, operation, or maintenance activity associated with the Project if the activity is determined to be a deviation from the approved Project or adopted APMs or mitigation measures. The CPUC may delegate this authority to its mitigation monitor.

Mitigation Compliance Responsibility

LSPGC is responsible for successfully implementing all of the adopted APMs and mitigation measures in this MMCRP. The MMCRP contains criteria that define whether mitigation is successful. Standards for successful mitigation are also implicit in many mitigation measures that include such requirements as obtaining permits or avoiding a specific impact entirely. Additional mitigation success thresholds will be established by applicable agencies with jurisdiction through the permit process and through the review and approval of specific plans for the implementation of mitigation measures.

LSPGC shall inform the CPUC and its mitigation monitor in writing of any mitigation measures that are not or cannot be successfully implemented. The CPUC, in coordination with its mitigation monitor, will assess whether alternative mitigation is appropriate and will specify to LSPGC the subsequent actions required.

Dispute Resolution Process

The following procedure will be observed for dispute resolution between CPUC staff and LSPGC ~~the applicant~~:

- Disputes and complaints should be directed to the CPUC's designated Project Manager for resolution.
- Should this informal process fail, the CPUC Project Manager may initiate enforcement or compliance action to address deviations from the approved Project.

General Monitoring Procedures

Mitigation Monitor

Many of the monitoring procedures will be conducted during the construction phase of the Project. The CPUC and the mitigation monitor are responsible for integrating the mitigation monitoring procedures into the construction process in coordination with LSPGC. To oversee the monitoring procedures and to ensure success, the mitigation monitor assigned to the construction must be on site during that portion of construction that has the potential to create a significant environmental impact or other impact for which mitigation is required. The mitigation monitor is responsible for ensuring that all procedures specified in this MMCRP are followed.

Construction Personnel

A key feature contributing to the success of mitigation monitoring will be obtaining the full cooperation of construction personnel and supervisors. Many of the mitigation measures and APMs require action on the part of the construction supervisors or crews for successful implementation. To ensure success, the following actions, detailed in specific mitigation measures included in this MMCRP, will be taken:

- LSPGC shall require all contractors to comply with the conditions of Project approval, including all adopted APMs and mitigation measures.
- One or more pre-construction meetings will be held to inform and train all construction personnel about the requirements of the MMCRP.
- LSPGC shall provide a written summary of mitigation monitoring procedures to construction supervisors for all adopted APMs and mitigation measures requiring their attention.

LSPGC will also be responsible for retaining the qualified archaeologists, qualified biologists/biological monitors, qualified paleontologists, licensed engineers, qualified environmental trainers, lead environmental inspectors, etc., specified in the adopted APMs and mitigation measures.

General Reporting Procedures

Site visits and specified monitoring procedures performed by other individuals will be reported to the mitigation monitor assigned to the construction. A monitoring record form will be submitted to the mitigation monitor by the individual conducting the visit or procedure so that details of the visit can be recorded and progress tracked by the mitigation monitor. A checklist will be developed and maintained by the mitigation monitor to track all procedures required for each mitigation measure and to ensure that the timing specified for the procedures is adhered to. The mitigation monitor will note any problems that may occur and take appropriate action to rectify the problems. LSPGC and PG&E shall provide the CPUC with written quarterly reports on the Project, which shall include the progress of construction, resulting impacts, mitigation implemented, and all other noteworthy elements of the Project. Quarterly or annual reports shall be required as long as mitigation measures are applicable.

Public Access to Records

The CPUC will make monitoring records and reports available for public inspection upon request. The CPUC and LSPGC will develop a filing and tracking system.

Condition Effectiveness Review

In order to fulfill its statutory mandates to mitigate or avoid significant effects on the environment and to design an MMCRP to ensure compliance during project implementation (Pub. Res. Code §21081.6):

- The CPUC may conduct a comprehensive review of measures which are not effectively mitigating impacts at any time it deems appropriate, including as a result of the Dispute Resolution Process outlined above; and
- If, in its review, the CPUC determines that any conditions are not adequately mitigating significant environmental impacts caused by the Project, or that recent proven technological advances could provide more effective mitigation, then the CPUC may impose additional reasonable conditions to effectively mitigate these impacts.

These reviews will be conducted in a manner consistent with the CPUC's rules and practices.

Mitigation Monitoring, Compliance, and Reporting Program

The table attached to this MMCRP presents a compilation of the adopted APMs and mitigation measures in the Final ~~Draft~~ EIR. The purpose of the table is to provide a single comprehensive list of impacts, mitigation measures, adopted APMs, monitoring and reporting requirements, and timing. LSPGC proposed APMs to minimize impacts to the environment from implementation of the Project. In some instances, those APMs have been superseded by CPUC-recommended mitigation measures, as described in the Final ~~Draft~~ EIR. The table below identifies only those APMs that have not been superseded and will be implemented as part of the Project.

As discussed in the Final EIR, a light-duty helicopter would likely be required to string the overhead portions of the transmission line. LSPGC will develop a helicopter plan to set forth all safety and operations procedures. LSPGC shall provide the helicopter use plan to the CPUC at least 14 days prior to the commencement of work that uses helicopters.

TABLE G-1
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Aesthetics				
Scenic Quality	**APM BIO-1:** Described below in Biological Resources.			
	~~APM TRA-3: Repair Infrastructure: Described below in Transportation.~~			
Lighting	**APM BIO-10: Outdoor Lighting Measures:** Described below in Biological Resources.			
	Mitigation Measure 3.1-2: Minimize Fugitive Light from Temporary Sources Used for Construction: The use of outdoor lighting shall be minimized during construction, operations, and maintenance. Photocell and motion detection-controlled lighting shall be provided at a level sufficient to provide safe entry and exit to the Project work sites and to ensure the security of the sites. All lighting shall be selectively placed, shielded, and directed to minimize fugitive light. Portable lights shall be operated at the lowest feasible wattage and height. The number of nighttime lights used shall be limited to those necessary to accomplish the task completely and safely. All lighting near sensitive species habitat shall be directed away from these areas where feasible.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	During construction, operations, and maintenance
Agriculture and Forestry Resources				
	No mitigation required.			
Air Quality				
Exceedance of Air Emissions and Health Risk Criteria	**Mitigation Measure 3.3-2a: Construction Fleet Minimum Requirements and Tracking – Tier 4 Final Emissions Controls:** LSPGC shall ensure that at least 75 percent of equipment horsepower hours related to off-road construction equipment include Tier 4 final emissions controls. An initial listing that identifies each off-road unit's certified tier specification to be operated on the Project shall be submitted to the CPUC before the start of construction activities. Construction activities shall not begin until the equipment listing has been submitted to the CPUC. As LSPGC requires new or replacement construction equipment on the Project, LSPGC shall document verification of the certified engine tier before the equipment's use on Project sites. Before the start of construction, LSPGC shall develop a diesel-powered equipment-use hours tracking tool and procedure. The tracking tool shall be utilized by LSPGC to keep track of the certified engine tier and daily equipment use hours of all off-road diesel-powered equipment. If all diesel-powered equipment is Tier 4 final certified, the tracking tool is not required. The tracking tool shall be maintained by LSPGC, and tracking updates shall be submitted to the CPUC on a monthly basis for the duration of construction to track the Project's compliance. The updated tracking tool shall be submitted to the CPUC no later than the tenth day of each month.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction
	Mitigation Measure 3.3-2b: Use Best Management Practices for Construction-Related Fugitive Dust Emissions: LSPGC shall implement all the following best management practices, which would reduce fugitive PM_{10} and $PM_{2.5}$: • All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. The watering regimen may be adjusted during rain events as needed.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Air Quality (cont.)				
Exceedance of Air Emissions and Health Risk Criteria (cont.)	• All haul trucks transporting soil, sand, or other loose material off-site shall be covered. • All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. • All vehicle speeds on unpaved roads shall be limited to 15 mph. • All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used. • All excavation, grading, and/or demolition activities in undeveloped or unpaved Project locations shall be suspended when average wind speeds exceed 20 mph. • All trucks and equipment, including their tires, shall be washed off prior to leaving the site in undeveloped or unpaved Project locations. • Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel. • Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points. • All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. • Post a publicly visible sign with the telephone number and person to contact at the CPUC regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations. • Limit the simultaneous occurrence of excavation, grading, and ground-disturbing construction activities. • Install wind breaks (e.g., trees, fences) on the windward side(s) of actively disturbed areas of ~~construction~~ staging yards used for the Project. Wind breaks should have a maximum of 50 percent air porosity. • Plant vegetative ground cover (e.g., fast-germinating native grass seed) in disturbed areas as soon as possible, unless specified otherwise by the restoration plan, and watered appropriately until vegetation is established. • Install sandbags or other erosion control measures to prevent silt runoff to public roadways from sites with a slope greater than one percent. • Minimize the amount of excavated material or waste materials stored at the site. • Hydroseed or apply non-toxic soil stabilizers to construction areas, including previously graded areas, that are inactive for at least 10 calendar days.			

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Air Quality (cont.)				
Exceedance of Air Emissions and Health Risk Criteria (cont.)	~~**APM AQ-1: Construction Fleet Minimum Requirements and Tracking:** LSPGC shall ensure that at least 75 percent of equipment horsepower hours related to off-road construction equipment include Tier 4 interim or Tier 4 final emissions controls. An initial listing that identifies each off-road unit's certified tier specification to be operated on the Project shall be submitted to the CPUC before the start of construction activities. Construction activities shall not begin until the equipment listing has been submitted to the CPUC.~~ ~~As LSPGC requires new or replacement construction equipment on the Project, LSPGC shall document verification of the certified engine tier before their use on Project sites. Before the start of construction, LSPGC shall develop a diesel-powered equipment use hours tracking tool and procedure. The tracking tool shall be utilized by LSPGC to keep track of the certified engine tier and daily equipment use hours of all off-road diesel-powered equipment. If all diesel-powered equipment is Tier 4 certified, the tracking tool is not required. The tracking tool shall be maintained by LSPGC, and tracking updates shall be submitted to the CPUC on a monthly basis to track the Project's compliance. The updated tracking tool shall be submitted to the CPUC no later than the tenth day of the following month.~~	~~LSPGC and its contractors to implement measure as defined~~	~~CPUC mitigation monitor to inspect compliance~~	~~Prior to and during construction~~
	~~**APM AQ-2: Dust Control Best Management Practices:** LSPGC shall implement the following measures as needed to control fugitive dust during construction activities:~~ ~~• All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. The watering regiment may be adjusted during rain events as needed.~~ ~~• All haul trucks transporting soil, sand, or other loose material off-site shall be covered.~~ ~~• All visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.~~ ~~• All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).~~ ~~• All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible.~~ ~~• Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.~~ ~~• All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.~~ ~~• All trucks and equipment, including their tires, shall be washed off or otherwise cleaned prior to leaving the site.~~ ~~• Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.~~ ~~• Publicly visible signs shall be posted with the telephone number and name of the person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations~~	~~LSPGC and its contractors to implement measure as defined~~	~~CPUC mitigation monitor to inspect compliance~~	~~Prior to and during construction~~

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources				
Sensitive, Protected, and Special-Status Areas and Species	**APM BIO-1: Restoration of Disturbed Areas:** Once construction is complete in a given area, natural vegetation areas (annual grassland, annual grassland/wetland, riparian, wetland, and vernal pools) that are temporarily disturbed by Project activities shall be restored to approximate preconstruction conditions. Areas that are temporarily disturbed by grading, augering, or equipment movement shall be restored to their original contours and drainage patterns. Work areas shall be decompacted, and salvaged topsoil materials shall be respread following recontouring to aid in restoration of temporary disturbed areas. Revegetation activities shall be conducted in accordance with the Project SWPPP and APMs. Restoration could include recontouring, reseeding, and planting replacement of natural vegetation, as appropriate. Temporarily disturbed natural vegetation areas shall be revegetated with appropriate weed-free native seed mixes or species that are characteristic of the plant community that was disturbed.	LSPGC and its contractors to implement measure as defined.	CPUC mitigation monitor to inspect compliance	During and following construction, and prior to construction close out of the Project
	APM BIO-2: Rare Plant Surveys: Protocol surveys following standard guidelines shall be conducted within suitable habitat areas for special-status plants that may occur within the Project impact areas during the appropriate blooming period to determine the location and extent of populations of rare plants, if present. In the event of the discovery of a rare plant, the area shall be marked as a sensitive area and shall be avoided to the extent practicable. If avoidance is not possible, LSPGC shall consult with the USFWS for ITP, as required. There are no CDFW-listed species that were analyzed, but CNPS species would require surveys and potential mitigation if they cannot be avoided. Construction activities that may impact rare plants, including movement of construction equipment and other activities outside of the fenced/paved areas within suitable habitat, shall be monitored by a qualified biologist. Upon the discovery of sensitive plants, the qualified biologist shall have the authority to stop work activities and, following the identification and implementation of steps required to avoid or minimize impacts to sensitive plants, direct construction work to commence once more.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction
	APM BIO-3: Preconstruction Sweeps: Prior to initial vegetation clearance and ground-disturbing activities, a qualified biologist shall conduct preconstruction survey sweeps of the Project work area for special-status wildlife and plants in potentially suitable habitats. In the event of the discovery of a special-status plant, the area shall be marked as a sensitive area and shall be avoided to the extent practicable. If avoidance is not possible, LSPGC shall seek coverage from the Santa Clara Valley HCP, or shall consult with the USFWS and/or CDFW for take ITP or other authorization as well as any additional mitigation. Any other construction activities that may impact sensitive biological resources, including movement of construction equipment and other activities outside of the fenced/paved areas within wildlife habitat, shall be monitored by a qualified biologist. The qualified biologist shall have the authority to stop work activities upon the discovery of sensitive biological resources and allow construction to proceed after the identification and implementation of steps required to avoid or minimize impacts to sensitive resources. These surveys will be conducted within 30 days of the start of construction activities and after protocol surveys for individual species have been conducted. These surveys serve to doublecheck populations, nesting/breeding areas, and sensitive habitats that would be identified during protocol surveys and to ensure that these areas will be avoided by construction activities.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction, during all ground disturbing and vegetation removal activities

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	**APM BIO-4: Sensitive Area Demarcation:** All sensitive biological areas (including creeks, rivers, wetlands, vernal pools, riparian areas, and special-status species habitats) within the Project work area shall be clearly marked prior to construction commencement to restrict construction activities and equipment from entering these areas, except as necessary for construction activities. These markings shall be inspected regularly to ensure that they remain in place.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction
	APM BIO-5: Vehicle Cleaning Prior to Entering Natural Areas: Vehicles and equipment shall be cleaned prior to use in native habitat on the Project areas to avoid the spread of noxious weeds and nonnative invasive plant species.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction
	APM BIO-6: Vehicle Speed Limits: Speed of vehicles driving along proposed access roads and on the Project site during construction and operation shall be limited to 15 mph, except in the case of legal roadgoing vehicles traveling on portions of the Project site that are public roadways, which shall be limited to posted speed limits. In addition, construction and maintenance employees shall be required to stay on established and clearly marked and existing roads, except where not feasible due to physical or safety constraints and shall be advised that care should be exercised when commuting to and from the Project area.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction and operation
	APM BIO-7: Salt Marsh Harvest Mouse Surveys: Suitable habitat for salt marsh harvest mouse (SMHM) and suitable adjacent areas shall be marked as a sensitive area and shall be avoided to the extent practicable. If avoidance is not possible, USFWS and/or CDFW shall be consulted prior to construction activity. Any other construction activities that may impact SMHM including movement of construction equipment within suitable habitat or suitable adjacent areas would be monitored by a qualified biologist. The qualified biologist shall have the authority to stop work activities upon the discovery of live individuals and allow construction to proceed after the identification and implementation of steps required to avoid or minimize impacts to SMHM, such as allowing individuals to leave on their own or temporarily halting construction in areas where SMHM is present. ~~Protocol surveys following standard guidelines shall be conducted within all proposed impact areas and suitable buffers within suitable habitat areas for salt marsh harvest mouse (SMHM) by an approved biologist. In the event of the discovery of SMHM individuals, the area and a suitable buffer shall be marked as a sensitive area and shall be avoided to the extent practicable. If avoidance is not possible, USFWS and/or CDFW shall be consulted prior to construction activity. Any other construction activities that may impact SMHM including movement of construction equipment and other activities outside of the fenced/paved areas within suitable habitat would be monitored by a qualified biologist. The qualified biologist shall have the authority to stop work activities upon the discovery of live individuals and allow construction to proceed after the identification and implementation of steps required to avoid or minimize impacts to SMHM, such as allowing individuals to leave on their own or temporarily halting construction in areas where SMHM is present.~~ All adjacent known SMHM preserve areas shall be clearly marked as well and avoided. This APM would be applied along the transmission line west of the proposed alignment in the vicinity of Coyote Creek Lagoon.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	**APM BIO-8: Excavation Wildlife Safety Best Management Practices:** Excavated holes/trenches that are not within areas that have wildlife exclusion fencing or that are not filled at the end of the workday shall be covered, or a wildlife escape ramp shall be installed to prevent the inadvertent entrapment of wildlife species.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	During construction
	APM BIO-9: Worker Environmental Awareness (WEAP) Training: A WEAP shall be developed and implemented to educate all on-site construction workers on site-specific biological and non-biological resources and proper work practices to avoid harming wildlife during construction activities. This WEAP shall include measures to reduce trash buildup during construction.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	During all Project activities
	APM BIO-10: Outdoor Lighting Measures: The use of outdoor lighting during construction and O&M shall be minimized whenever practicable. All lighting shall be selectively placed, shielded, and directed downward to the extent practicable. All lighting near sensitive species habitat shall be directed away from these areas to the extent practicable. Night work shall be avoided as practicable; however, given the large amount of construction proposed within existing roads, local municipalities may dictate that transmission line construction occurs at nighttime within certain areas of the Project. The most likely areas for nighttime construction are within commercial and industrial areas and not residential or potentially sensitive biological areas. Night work is not anticipated during O&M except during emergencies.	LSPGC and its contractors to implement measure as defined.	CPUC mitigation monitor to inspect compliance	During construction, operation, and maintenance of the Project
	APM BIO-11: Special-status Bird Surveys: Protocol surveys following standard guidelines shall be conducted for California black rail, tricolored blackbird, California clapper rail, burrowing owl, golden eagle, and bald eagle and focused surveys shall be conducted for western snowy plover, white-tailed kite, and other raptors. In the event of the discovery of suitable habitats, nests, or live individuals, the area and a suitable buffer shall be marked as a sensitive area and shall be avoided to the extent practicable. If avoidance is not possible, USFWS and/or CDFW would be consulted. Tricolored blackbird and burrowing owl are covered species under the Santa Clara Valley HCP; if impacts are identified during species-specific protocol surveys, the take for this species shall be covered either under the HCP or covered under a State ITP in consultation with CDFW. If impacts are identified during species-specific protocol surveys for the other State-listed avian species that are not covered under the Santa Clara Valley HCP (California black rail, California clapper rail, Western snowy plover, bald eagle, and any other avian species that are identified), the take shall be covered under a State ITP in consultation with CDFW. Any other construction activities that may impact special-status birds, including movement of construction equipment and other activities outside of the fenced/paved areas within suitable habitat, shall be monitored by a qualified biologist. Additionally, qualified biologists shall monitor all active nests to ensure that construction activities are not disturbing the nest. The monitor/inspector shall have the authority to stop work activities upon the discovery of nests or live individuals and allow construction to proceed after the identification and implementation of steps required to avoid or minimize impacts to sensitive birds.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	**APM BIO-12: Nesting Bird Protection Measures:** If feasible, LSPGC shall avoid certain construction activities such as vegetation trimming/removal during the migratory bird nesting or breeding season. When it is not feasible to avoid construction during the nesting or breeding season (generally February 15–August 31), **APM BIO-15** shall be used. Any construction activities that may impact nesting birds including movement of construction equipment and other activities outside of the fenced/paved areas within suitable habitat shall be monitored by a qualified biologist. Additionally, biologists shall monitor all active nests to ensure that construction activities are not disturbing the nest. The monitor/inspector shall have the authority to stop work activities upon the discovery of nests or live individuals and allow construction to proceed after the identification and implementation of steps required to avoid or minimize impacts to nesting birds.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	During construction
	APM BIO-13: Raptor Surveys: If a raptor nest is observed within 500 feet of the Project during protocol or preconstruction surveys, a qualified biologist shall determine if it is active. If the nest is determined to be active, the qualified biologist shall establish an appropriately sized no construction buffer around the nest and shall monitor the nest to ensure that nesting or breeding activities are not substantially adversely affected. If the biological monitor determines that activities associated with the Project are disturbing or disrupting nesting or breeding activities, the monitor shall make recommendations to reduce noise or disturbance in the vicinity of the nest. If the nest is determined to be inactive, the nest shall be removed under direct supervision of the qualified biologist.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction
	APM BIO-14: Golden Eagle Protection: The USFWS recommends a one mile no disturbance buffer around active nests during the active nesting season (USFWS 2021). LSPGC shall conduct an eagle nest survey within suitable nesting habitat prior to construction. If preconstruction surveys determine that there is an active golden eagle nest within the Survey Area, LSPGC shall consult with the agencies to identify an appropriate disturbance buffer based on existing conditions, including existing visual barriers, existing noise levels, existing high levels of human activity and vehicle traffic, and other factors. In lieu of placing an avoidance buffer, LSPGC could construct a barrier wall, outside of the nesting season, to obstruct construction activities from line of site from the nest. The barrier would also dampen noise from construction activities. A full-time biological monitor shall monitor the bird(s) for signs of distress. If signs of distress are identified, the biological monitor shall require construction to cease until the birds exhibit normal behavior.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction
	APM BIO-15: Nesting Bird Surveys: Preconstruction nest surveys shall be conducted during the nesting or breeding season (generally February 15–August 31) within all proposed impact areas and suitable buffers within suitable habitat areas for Migratory Bird Treaty Act (MBTA)-protected birds. This survey shall be performed to determine the presence or absence of nesting birds and roosting bats. If roosting bats or active nests (i.e., containing eggs or young) are identified, a suitable construction avoidance buffer shall be implemented to ensure that the nesting or breeding activities are not affected. If the nesting or breeding activities by a Federal- or State-listed species are observed, LSPGC shall consult with the USFWS and CDFW as necessary. Monitoring of the nest shall continue until the birds have fledged or construction is no longer occurring on the site.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	**APM BIO-16: Special-Status Invertebrate Surveys:** Protocol surveys following standard guidelines and during appropriate seasons shall be conducted within all proposed impact areas and suitable buffers within potentially suitable habitat areas for vernal pool tadpole shrimp, vernal pool fairy shrimp, monarch butterfly, Western bumblebee, and Crotch's bumblebee. In the event of the discovery of suitable habitat, host plants, or individuals of these special-status invertebrates, the area shall be marked as a sensitive area and shall be avoided to the extent practicable. If impacts are identified during species-specific surveys for vernal pool tadpole shrimp, vernal pool fairy shrimp, monarch butterfly, Western bumblebee, or Crotch's bumblebee which are not covered under the Santa Clara Valley HCP, the take shall be covered under a Federal ITP (vernal pool tadpole shrimp; Federally Endangered, vernal pool fairy shrimp; Federally Threatened, monarch butterfly; Federal candidate species) or State ITP (Western bumblebee and Crotch's bumblebee; State candidate species) in consultation with CDFW or USFWS. Any other construction activities that may impact special-status invertebrates or their habitats, including movement of construction equipment and other activities outside of the fenced/paved areas within suitable habitat, shall be monitored by a qualified biologist. The qualified biologist shall have the authority to stop work activities upon the discovery of individuals or host plants and allow construction to proceed after the identification and implementation of steps required to avoid or minimize impacts to sensitive invertebrates.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction
	APM BIO-17: Wetland, Vernal Pool, and Waterway Construction Timing Restrictions: Construction in the vicinity of waterways, wetlands, and vernal pools such as along the Cushing Parkway bridge that borders the Don Edwards San Francisco Bay National Wildlife Refuge (NWR), near vernal pools north of the existing PG&E Newark substation, and in the vicinity of Coyote Creek and Guadalupe River shall be restricted to occur during the dry season (generally from May 1st through October 15th) to the maximum extent possible. This would minimize the chance of encountering and impacting sensitive species such as vernal pool tadpole shrimp and California tiger salamander that can be found in annual grassland/wetland, wetland, and vernal pool habitat present in these areas as well as fish species such as steelhead, longfin smelt, and green sturgeon that could be using waterways. If construction cannot be conducted during the dry season in the vicinity of waterways, wetlands, and vernal pools, they would be clearly marked and avoided to the maximum extent possible and biological monitors would be present to ensure that no impacts occur.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	During construction
	APM BIO-18: Special-status Amphibian Surveys: Protocol surveys shall be conducted for California tiger salamander ~~and California red-legged frog~~ and preconstruction surveys shall be conducted within all proposed impact areas and suitable buffers within potentially suitable habitat areas for California tiger salamander ~~and California red- legged frog~~. In the event of the discovery of suitable habitats or live individuals, the area and a suitable buffer shall be marked as a sensitive area and shall be avoided to the extent practicable. If avoidance is not possible, USFWS and/or CDFW shall be consulted. California tiger salamander is a ~~and California red-legged frog are~~ covered species under the Santa Clara Valley HCP; if impacts are identified during species-specific surveys, the take for this species shall be covered either under the HCP	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	or covered under a State or Federal ITP in consultation with CDFW and/or USFWS. Any other construction activities that may impact special-status amphibians including movement of construction equipment and other activities outside of the fenced/paved areas within suitable habitat shall be monitored by a qualified biologist. The qualified biologist shall have the authority to stop work activities upon the discovery of live individuals and allow construction to proceed after the identification and implementation of steps required to avoid or minimize impacts to sensitive amphibians.			
	APM BIO-19: Wetland and Aquatic Resources Delineations: Pursuant to property owner approval, a wetland and aquatic resources delineation will be conducted ~~for the~~ on all portions of the proposed Project ~~Newark to NRS 230 kV AC transmission line within Caltrans ROW~~ containing potentially State or Federal jurisdictional waters. Accurate acreages of vernal pools and RWQCB, CDFW, and USACE jurisdictional waters will be defined from these delineations. Vernal pools and jurisdictional waters shall be marked as a sensitive area and shall be avoided to the extent practicable. If these areas cannot be avoided, applicable permits shall be obtained.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to construction
	PG&E BMP BIO-1: Burrowing Owl: A survey for evidence of burrowing owl (sign or presence) shall be conducted prior to initial ground disturbance. The survey shall occur within the best detection timeframe and within two weeks of construction. If burrowing owl are detected, consult with the CDFW.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	Prior to and during construction
	PG&E BMP BIO-2: Nesting Birds: If work is anticipated to occur within the nesting bird season (February through August), nesting birds, including raptors and other species protected under the MBTA, may be impacted. If active nests are discovered, exclusionary measures and/or designated avoidance buffers may be required and implemented according to the guidance in the PG&E Nesting Bird Management Plan. The Project biologist determines if the construction action will impact the nest, and if so, identifies whether alternative actions or monitoring can be implemented to avoid impacts. If active nests are observed during construction, crews must immediately alert the PG&E Project biologist.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	Prior to and during construction
	PG&E FP-1: Worker Training: Hold annual training on HCP requirements for employees and contractors performing covered activities in the Plan Area that are applicable to their job duties and work.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	Prior to and during construction
	PG&E FP-2: Park Outside Sensitive Areas: Park vehicles and equipment on pavement, existing roads, or other disturbed or designated areas (barren, gravel, compacted dirt).	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	PG&E FP-3: Use Existing Access Roads: Use existing access and ROW roads. Minimize the development of new access and ROW roads, including clearing and blading for temporary vehicle access in areas of natural vegetation.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	PG&E FP-4: Minimize Impacts on Biological Resources: Locate off-road access routes and work sites to minimize impacts on plants, shrubs, trees, small mammal burrows, and unique natural features (e.g., rock outcrops).	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	Prior to and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	**PG&E FP-6: Inspect Pipes and Culverts for Species:** Minimize potential for covered species to seek refuge or shelter in pipes and culverts. Inspect pipes and culverts, with a diameter wide enough to be entered by a covered species that could inhabit the area where pipes are stored, for wildlife species prior to moving pipes and culverts. Immediately contact a biologist if a covered species is suspected or discovered.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	Prior to and during construction
	PG&E FP-7: 15 mph Speed Limit: Vehicle speeds on unpaved roads shall not exceed 15 mph.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	PG&E FP-8: No Fires, Litter, or Pets: Prohibit trash dumping, firearms, open fires (such as barbecues), hunting, and pets (except for safety in remote locations) at work sites.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	PG&E FP-10: Minimize Activity Footprint and Time Spent at a Work Location: Minimize the activity footprint and minimize the amount of time spent at a work location to reduce the potential for take of species.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	Prior to and during construction
	PG&E FP-11: Erosion and Sediment Control BMPs: Utilize standard erosion and sediment control BMPs (pursuant to the most current version of PG&E's *Stormwater Field Manual for Construction Best Management Practices*) to prevent construction site runoff into waterways.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	Prior to and during construction
	PG&E FP-12: Contain and Cover Stockpile Soil: Stockpile soil within established work area boundaries and locate stockpiles so as not to enter water bodies, stormwater inlets, or other standing bodies of water. Cover stockpiled soil prior to precipitation events.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	PG&E FP-13: Wildlife Ramps. Fit open trenches or steep-walled holes with escape ramps of plywood boards or sloped earthen ramps at each end if left open overnight. Field crews shall search open trenches or steep-walled holes every morning prior to initiating daily activities to ensure wildlife are not trapped. If any wildlife is found, a biologist shall be notified and shall relocate the species to adjacent habitat or the species shall be allowed to naturally disperse, as determined by a biologist.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	PG&E FP-14: Revegetate with "Weed Free" Seed Mix: If the covered activity disturbs 0.1 acre or more of habitat for a covered species in grasslands, the field crew shall revegetate the area with a commercial "weed free" seed mix.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	PG&E FP-15: Refueling Buffers: Prohibit vehicular and equipment refueling 250 feet from the edge of vernal pools, and 100 feet from the edge of other wetlands, streams, or waterways. If refueling must be conducted closer to wetlands, construct a secondary containment area subject to review by an environmental field specialist (EFS) and/or biologist. Maintain spill prevention and cleanup equipment in refueling areas.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	**PG&E FP-16: Sensitive Area Buffers:** Maintain a buffer of 250 feet from the edge of vernal pools and 50 feet from the edge of wetlands, ponds, or riparian areas. If maintaining the buffer is not possible because the areas are either in or adjacent to facilities, the field crew shall implement other measures as prescribed by the land planner, biologist, or HCP administrator to minimize impacts by flagging access, requiring foot access, restricting work until dry season, or requiring a biological monitor during the activity.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	Mitigation Measure 3.1-2: Minimize Fugitive Light from Temporary Sources Used for Construction: Described above under Aesthetics.	LSPGC and its contractors to implement measure as defined.	CPUC mitigation monitor to inspect compliance	During construction of the Project
	Mitigation Measure 3.4-1a: Avoid Impacts to Rare Plants: Rare plant surveys conducted under APM BIO-2 shall be floristic in nature and shall be conducted by a qualified botanist according to procedures outlined in the CDFW publication *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities* (CDFW, 2018b). The survey(s) shall be conducted between April and July in accordance with CDFW protocol and in conjunction with the blooming seasons of those rare plants with moderate potential to occur in the survey area. If no special-status plants are observed during appropriately timed surveys by a qualified botanist, it shall be assumed that the construction activity will have no impact on special-status plants and no further action is required. If special-status plants are identified within the survey area, the individuals or populations shall be mapped and quantified and reported to the CNDDB and to the City of San José, and the LSPGC project manager shall be notified at least 14 days prior to construction in that area. Impacts on these known occurrences shall be avoided when feasible. LSPGC shall coordinate with CDFW and/or USFWS staff to establish appropriate avoidance and minimization measures, depending on whether the species is federally and/or state listed~~, and shall consult with CDFW and/or USFWS to obtain an ITP as required for any impacts that cannot be avoided~~. Avoidance and minimization measures may include, but need not be limited to: (1) No-disturbance buffers. (2) Work windows for low-impact activities that are compatible with the dormant phase of a special-status plant life cycle but that may kill living plants or severely alter their ability to reproduce. (3) Silt fencing or construction fencing to prevent vehicles, equipment, and personnel from accessing the occupied habitat. (4) Erosion control BMPs such as straw wattles made of rice straw, erosion control blankets, or hydroseeding with a native plant seed mix to prevent sedimentation from upslope construction activities. (5) In consultation with and as authorized by CDFW or USFWS, collection and spreading of seeds or relocation of plants to appropriate locations by a qualified botanist.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	**Mitigation Measure 3.4-1b: Habitat Restoration and Monitoring:** Before construction in areas containing waters of the U.S. and/or state or CDFW-jurisdictional areas, LSPGC ~~the applicant~~ shall obtain all required environmental permits, including a Clean Water Act Section 401 water quality certification for federal and state jurisdictional wetlands, Clean Water Act Section 404 permits for federal jurisdictional, and a CDFW Lake and Streambed Alteration Agreement, and shall adhere to the conditions of each. At least 30 days before the scheduled commencement of Project activities in areas containing waters of the U.S. and/or state or CDFW-jurisdictional areas, LSPGC ~~the applicant~~ shall submit a Restoration Plan to all applicable permitting agencies (e.g., USACE, RWQCB, CDFW) and the CPUC for review and written approval. No Project activities shall commence until the Restoration Plan is approved ~~by CDFW~~ in writing by the applicable resource agency or agencies having jurisdiction. The plan shall detail compensatory mitigation for permanent impacts to riparian and wetland habitat in the form of restoration or enhancement of habitat either on-site (where practicable) or off-site as close to the Project site as practicable. The plan shall also describe the on-site restoration of temporary impacts to riparian and wetland habitat. The Restoration Plan shall also include monitoring and success criteria. Impacts to riparian and wetland habitat shall be restored or otherwise mitigated according to the Restoration Plan within the same calendar year as the impact occurs unless otherwise approved in writing by the applicable resources agency or agencies having jurisdiction ~~CDFW~~. More than one plan may be necessary for restoration activities in different locations. Restoration and monitoring shall be guided by a qualified biologist experienced in wetland habitat restoration. Restoration shall include protocols for replanting native vegetation removed before or during construction, and management and monitoring of the plants to ensure replanting success. The following measures shall apply to site restoration: • Areas affected by construction-related activity shall be replanted or reseeded with locally collected and grown native shrubs and herbaceous species suitable for riparian and wetland locations, under guidance from a qualified restoration biologist. • To ensure a successful revegetation effort, all plants shall be monitored and maintained as necessary for a minimum of 5 years. LSPGC shall submit an annual monitoring report to the CPUC and the applicable resources agency or agencies having jurisdiction ~~CDFW~~ during each year of revegetation. • The revegetation shall be considered successful when, after at least 5 years of monitoring (including at least 3 years without supplemental irrigation), each category of plantings (e.g., herbs, shrubs) has a minimum of 85 percent survival, and restoration areas have attained a relative native cover of 70 percent after 3 years and 75 percent after 5 years, unless approved in writing by the applicable resources agency or agencies having jurisdiction ~~CDFW~~. Survival and cover criteria shall both be required unless the herbaceous or spreading plants cannot be differentiated by individual, in which case the cover success criteria alone may be sufficient if determined in writing by the applicable resources agency or agencies having jurisdiction ~~CDFW~~.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to, during, and following construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	**Mitigation Measure 3.4-1c: Frac-out Plan:** To avoid potential indirect impacts to aquatic resources and associated habitats during horizontal boring or horizontal directional drilling (i.e., trenchless techniques) using pressurized drilling fluids, LSPGC or its contractors shall prepare and submit a Frac-out Plan to the CPUC for preventing and addressing potential inadvertent frac-outs prior to construction at HDD sites. The Frac-out Plan shall specify when a biological monitor will be present during the trenchless technique process, and shall limit work associated with trenchless waterway crossings to daylight hours, unless otherwise authorized by CDFW to allow nighttime work, to enable identification of potential frac-outs and/or potential impacts to sensitive species should a frac-out occur. The Frac-out Plan shall also establish communication protocols and training information for construction personnel, the response materials to be available on site to minimize frac-out effects, and effective responses to potential releases of drilling fluids used during the trenchless technique process. LSPGC's Frac-out Plan shall be submitted to the CPUC 30 days before the start of construction.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to construction
	Mitigation Measure 3.4-1d: Protection of Special-Status Wildlife: A qualified biologist shall conduct preconstruction clearance surveys within 7 days prior to the start of construction activities within suitable habitat for special-status species that are known to be present or have a moderate to high potential to occur. In addition to the preconstruction clearance surveys, a qualified biologist shall also be on-site to conduct daily pre-activity surveys and monitoring during all ground-disturbing and vegetation removal activities in suitable habitat for special-status species. The qualified biologist shall conduct daily clearance surveys of all equipment, vehicles, and stockpiled materials at the beginning of each day and regularly throughout the workday, and maintain barriers protecting sensitive habitat areas. The biologist shall ensure that mats are placed for unavoidable equipment passage across sensitive habitats, including vernal pools. If a special-status species is observed in a work area, the qualified biologist shall mark the area for avoidance for the duration of work in the vicinity. If avoidance is not possible, work activities shall cease until the species has left the area on its own, or until other protective action can be taken as authorized by the Santa Clara Valley HCP or a species-specific ITP, in coordination with USFWS and/or CDFW.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to construction
	Mitigation Measure 3.4-1e: Construction Worker Environmental Awareness Training Program (WEAP): In addition to the requirements of APM BIO-9, LSPGC shall retain a qualified biologist to conduct pre-construction WEAP training for all personnel entering the Project site. • All personnel associated with construction shall attend the WEAP training prior to initiation of construction activities (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation). The training shall include information about the special-status species potentially occurring within the work areas, identification of special-status species and their habitats, a description of the regulatory status and general ecological characteristics of special-status species, and a review of the limits of construction and measures required to avoid and/or minimize impacts to biological resources within the work area. A fact sheet conveying this information and pertinent Project contacts shall also be prepared for distribution to all contractors, their employees, and other personnel involved with construction.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	During all Project activities

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Biological Resources (cont.)				
Sensitive, Protected, and Special-Status Areas and Species (cont.)	• Interpretation shall be provided for non-English-speaking workers. • The same instructions shall be provided for any new workers prior to entering the work area where sensitive species and/or sensitive species habitats may be present. • All employees entering the work areas shall be required to sign a form provided by the qualified biologist(s) documenting they have attended the WEAP and understand the information presented to them. The signed form shall be provided to LSPGC as documentation of training completion. The crew foreman shall be responsible for ensuring crew members adhere to the guidelines and restrictions designed to avoid impacts to special status species and other regulated biological resources. If new personnel are brought onto the work area after completion of the initial WEAP training, the training shall be conducted for all new personnel before they enter the work area where sensitive species and/or their habitats may be present.			
Jurisdictional Areas	**APM BIO-1, APM BIO-4, APM BIO-19, PG&E FP-1, PG&E FP-14, PG&E FP-15, PG&E FP-16, Mitigation Measure 3.4-1b, and Mitigation Measure 3.4-1d: Restoration of Disturbed Areas:** Described above under Sensitive, Protected, and Special-Status Species.	LSPGC and its contractors to implement measure as defined.	CPUC mitigation monitor to inspect compliance	During and following construction, and prior to construction close out of the Project
Wildlife Corridors and Nesting Sites	**APM BIO-1, APM BIO-4, APM BIO-6, APM BIO-9, APM BIO-10, APM BIO-17, PG&E BMP BIO-2:, PG&E FP-1, PG&E FP-2, PG&E FP-3, PG&E FP-4, PG&E FP-6, PG&E FP-10, PG&E FP-11, PG&E FP-12, PG&E FP-14, PG&E FP-15, PG&E FP-16, Mitigation Measure 3.1-2, Mitigation Measures 3.4-1b through 3.4-1e:** Described above under Sensitive, Protected, and Special-Status Species.			
Tree Removal	**Mitigation Measure 3.4-5: Compliance with Local Tree Ordinances:** All removal of street trees within the cities of Fremont, Milpitas, San José, and Santa Clara shall be coordinated with the responsible department in each city (see Section 3.4.3, *Regulatory Setting*) ~~to obtain~~ regarding any ~~necessary~~ ministerial tree removal permits. LSPGC shall make a good-faith effort to comply with all ~~permit conditions~~ requirements including tree replanting and monitoring to help ensure successful replanting. ~~Prior to the start of construction, LSPGC shall provide the CPUC with copies of the permits issued by the applicable jurisdictions.~~	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction
HCPs, NCCPs, Other Approved Habitat Conservation Plans	**PG&E FP-9:** Described below under Wildfire.			
	PG&E BMP BIO-2, PG&E FP-1, PG&E FP-2, PG&E FP-3, PG&E FP-4, PG&E FP-5, PG&E FP-6, PG&E FP-7, PG&E FP-8, PG&E FP-10, PG&E FP-11, PG&E FP-12, PG&E FP-14, PG&E FP-15, PG&E FP-16: Described above under Sensitive, Protected, and Special-Status Species.			
Bird and Bat Electrocution and/or Collision Risk	**APM BIO-9, PG&E BMP BIO-2, PG&E FP-1, and Mitigation Measure 3.4-1e:** Described above under Sensitive, Protected, and Special-Status Species.			

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources				
Cultural Resources	**APM CUL-1: Worker Environmental Awareness Program (WEAP) Training:** LSPGC shall obtain a qualified archaeologist to design the cultural resources component of a WEAP that shall be provided to all Project personnel who may encounter and/or alter historical resources or unique archaeological properties, including construction supervisors and field personnel. The WEAP shall be submitted to the CPUC prior to construction. No construction worker shall be involved in ground-disturbing activities without having participated in the WEAP. The WEAP shall include, at a minimum: • Training on how to identify potential cultural resources and human remains during the construction process; • A review of applicable local, state, and federal ordinances, laws, and regulations pertaining to historic preservation; • A discussion of procedures to be followed in the event that unanticipated cultural resources are discovered during implementation of the Project; • A discussion of disciplinary and other actions that could be taken against persons violating historic preservation laws and LSPGC policies; and • A statement by the construction company or applicable employer agreeing to abide by the WEAP, LSPGC policies, and other applicable laws and regulations. The WEAP may be conducted in concert with other environmental or safety awareness and education programs for the Project, provided that the program elements pertaining to cultural resources are designed by a qualified archaeologist, which is defined as an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archaeology (36 CFR Part 61).	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to and during all Project activities
	APM CUL-2: Archaeological and Native American Monitoring: Archaeological and Native American monitoring shall be conducted during initial ground disturbance associated with the Project when within 100 feet (30 m) of previously recorded prehistoric or ethnohistoric resources, or after unanticipated discovery of same. Archaeological monitoring shall be conducted during ground disturbance associated with the Project when within 100 feet (30 m) of previously recorded historic-period resources, or after unanticipated discovery of same. Prehistoric and/or ethnohistoric archaeological sites have been recorded adjacent to the Project area, and the Sacred Lands File (SLF) search and Tribal outreach indicate that lands sacred to the North Valley Yokuts Tribe and the Ohlone Indian Tribe are present within the Project search area. In addition, historic-era archaeological sites have been recorded within 100 feet (30 m) of the Project area. A qualified archaeologist, or an archaeological monitor under the supervision of a qualified archaeologist, shall be retained by LSPGC to monitor excavation in each work area for the Project in accordance with the above monitoring criteria to ensure that there is no impact to any significant unanticipated historical resource. A qualified archaeologist, and a Native American monitor, if determined during Tribal consultation, shall be retained by LSPGC to monitor excavation in each work area for the Project in accordance with the above monitoring criteria to ensure that there is no impact to any significant unanticipated cultural resource.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to confirm compliance	During construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources (cont.)				
Cultural Resources (cont.)	Procedures to be followed in the event that a Native American monitor is not available shall be determined during Tribal consultation. Native American monitoring requirements established in this APM may be superseded by government-to-government consultation conducted between the CPUC and Tribal organizations as part of the Assembly Bill 52 process or otherwise.			
	APM CUL-3: Unanticipated Discovery of Potentially Significant Prehistoric and Historic Resources: In the event that previously unidentified cultural resources are uncovered during implementation of the Project, all work within 100 feet (30 m) of the discovery shall be halted and redirected to another location. LSPGC's qualified archaeologist shall inspect the discovery and determine whether further investigation is required. If the discovery can be avoided and no further impacts shall occur, the resource shall be documented on State of California Department of Parks and Recreation (DPR) cultural resource records, and no further effort shall be required. If the resource cannot be avoided and may be subject to further impact, LSPGC's qualified archaeologist shall evaluate the significance and California Register of Historic Resources (CRHR) eligibility of the resources and, in consultation with the CPUC, determine appropriate treatment measures. Preservation in place shall be the preferred means to avoid impacts to significant historical resources. Consistent with CEQA Section 15126.4(b)(3), if it is demonstrated that resources cannot feasibly be avoided, LSPGC's qualified archaeologist, in consultation with the CPUC and, if the unearthed resource is prehistoric or Native American in nature, the Native American monitor shall develop additional treatment measures, such as data recovery consistent with CEQA Guidelines 15126.4(b)(3)(C)-(D). Archaeological materials recovered during any investigation shall be curated at an accredited curation facility or transferred to the appropriate Tribal organization.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	During all Project activities
	APM CUL-4: Cultural Resources Inventory: The limits of construction for the proposed Newark to NRS transmission line within Caltrans ROW, and temporary construction Staging Areas 1, 4 through 8, 10, and part of 11, shall be surveyed prior to construction. If additional proposed facilities and ground-disturbing activities move outside the previously surveyed acreage, the new areas shall be subjected to a cultural resources inventory to ensure that any newly identified cultural resources are either avoided by project redesign or evaluated and treated.	LSPGC and its contractors to implement measure as defined	CPUC to review and approve CRMP. CPUC mitigation monitor to confirm compliance	During construction
	APM CUL-5: Unanticipated Discovery of Human Remains: Avoidance and protection of inadvertent discoveries that contain human remains shall be the preferred protection strategy where feasible and otherwise managed pursuant to the standards of CEQA Guidelines 15064.5(d) and (e). If human remains are discovered during construction or O&M activities, all work shall be diverted from the area of the discovery and the CPUC shall be informed immediately. LSPGC's qualified archaeologist shall contact the appropriate County Coroner to determine whether or not the remains are Native American. If the remains are determined to be Native American, the Coroner shall contact the Native American Heritage Commission (NAHC). The NAHC shall then identify the person or persons it believes to be the most likely descendant of the deceased Native American, who in turn shall make recommendations for the appropriate means of treating the human remains and any associated funerary objects. No part of the Project is located on federal land and no federal monies are involved; therefore, the Project is not subject to the Native American Graves Protection and Repatriation Act (NAGPRA) of 1990.	LSPGC and its contractors to implement measure as defined	CPUC to review and approve CRMP. CPUC mitigation monitor to confirm compliance	During all Project activities

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources (cont.)				
Cultural Resources (cont.)	**PG&E BMP CULT-1: Worker Awareness Training:** PG&E will provide environmental awareness training on archeological cultural and paleontological resources protection. This training may be administered by the PG&E cultural resources specialist (CRS) or a designee as a stand-alone training or included as part of the overall environmental awareness training as required by the project and will at minimum include: types of cultural resources or fossils that could occur at the project site; types of soils or lithologies in which the cultural resources or fossils could be preserved; procedures that should be followed in the event of a cultural resource, human remain, or fossil discovery; and penalties for disturbing cultural or paleontological resources.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	Prior to and during construction
	PG&E BMP CULT-2: Inadvertent Discovery: If any new cultural resources are encountered during Project activities, all work must be suspended in the vicinity (approximately 100 feet) of the resource, and the cultural resource specialist (CRS) shall be immediately notified. At that time, the CRS shall coordinate any necessary investigations of the site with appropriate specialists, as needed. PG&E may be required to implement protective measures deemed necessary for the protection of the cultural resources. Prehistoric resources that may be identified during Project implementation may include, but are not limited to, stone tools and manufacturing debris made of obsidian, basalt, and other lithic materials; milling equipment such as bedrock mortars, portable mortars, and pestles; and locally darkened soils (midden) that may contain dietary remains such as shell and bone, as well as human remains. Historic resources that may be identified include, but are not limited to, small cemeteries or burial plots, structural foundations, cabin pads, cans with soldered seams or tops, bottles or fragments of clear and colored glass, cut (square) nails, and ceramics.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	PG&E BMP CULT-3: Human Remains: In keeping with the provisions provided in 7050.5 of the CHSC and Public Resource Code 5097.98, if human remains are encountered (or are suspected) during any project-related activity, PG&E shall: • Stop all work within 100 ft.; • Immediately contact: CRS, who will then notify the county coroner; • Secure location, but do not touch or remove remains and associated artifacts; • Do not remove associated spoils or pick through them; • Record the location and keep notes of all calls and events; and • Treat the find as confidential and do not publicly disclose the location. If the human remains are of Native American origin, the coroner must notify the Native American Heritage Commission within 24 hours of such identification. The most likely descendant shall work with the CRS to develop a program for re-interment or other disposition of the human remains and any associated artifacts. No additional work shall take place within the immediate vicinity of the find until the appropriate actions have been implemented.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources (cont.)				
Cultural Resources (cont.)	**Mitigation Measure 3.5-1: Archaeological Monitoring Plan:** Prior to authorization to proceed, a Secretary of the Interior-qualified archaeologist shall prepare an archaeological monitoring plan. The plan shall be reviewed by the culturally-affiliated Native American Tribe(s) and the CPUC. The plan will include (but not be limited to) the following components: • Training program for all construction and field workers involved in site disturbance. On-site personnel shall attend a mandatory pre-project training led by a Secretary of the Interior-qualified archaeologist and a Native American representative. The training will outline the general cultural sensitivity of the area and the procedures to follow in the event that cultural materials and/or human remains are inadvertently discovered. • Detailed explanation of where monitoring will be completed and under what circumstances based on soil types, geology, distance to known sites, and other factors. • Person(s) responsible for conducting archaeological monitoring activities, including a request to the culturally affiliated Native American Tribe(s) for a tribal monitor. • Identification of the lead Secretary of the Interior-qualified archaeologist responsible for overseeing and directing the monitors. • How the monitoring will be conducted and the required format and content of monitoring reports. • Schedule for submittal of monitoring reports and person(s) responsible for review and approval of monitoring reports. • Protocol for notifications in case of encountering cultural resources, as well as methods of dealing with the encountered resources (e.g., collection, identification, curation). • Methods to ensure security of cultural resources. • Protocol for notifying local authorities (i.e., Sheriff, Police) should site looting and other illegal activities occur during construction. During the course of the monitoring, the lead Secretary of the Interior-qualified archaeologist and lead tribal representative or lead tribal monitor may adjust the frequency of the monitoring from continuous to intermittent or vice versa based on the conditions and professional judgment regarding the potential to impact resources. If cultural materials are encountered, all soil-disturbing activities within 100 ~~50~~ feet in all directions of the find shall cease until the resource is evaluated and the CPUC project manager concurs with the evaluation. The archaeological monitor shall immediately notify the lead Secretary of the Interior-qualified archaeologist, the CPUC, and its consultant of the encountered resource(s). After making a reasonable effort to assess the identity, integrity, and significance of the encountered resource, in consultation with the culturally affiliated Native American Tribe(s), the lead Secretary of the Interior-qualified archaeologist shall present the findings of this assessment to the CPUC for review no later than 10 calendar days after the find. If it is not possible to present the findings within 10 calendar days, the lead Secretary of the Interior-qualified archaeologist shall	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to any Project-related ground disturbing activities and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Cultural Resources (cont.)				
Cultural Resources (cont.)	explain why doing so is infeasible and when it will be possible to present the findings. If the find is determined to be potentially significant by the CPUC, the lead Secretary of the Interior-qualified archaeologist, in consultation with the CPUC and the culturally affiliated Native American Tribe(s), shall determine whether preservation in place is feasible. Consistent with CEQA Guidelines Section 15126.4(b)(3), this may be accomplished through planning construction to avoid the resource; incorporating the resource within open space; capping and covering the resource; or deeding the site into a permanent conservation easement. If avoidance is not feasible, the CPUC shall consult with the culturally affiliated Native American Tribe(s) and other appropriate interested parties to determine treatment measures to avoid, minimize, or mitigate any potential impacts to the resource pursuant to PRC [Public Resources Code] Section 21083.2, and CEQA Guidelines Section 15126.4. This shall include documentation of the resource and may include data recovery (according to PRC Section 21083.2), if deemed appropriate, or other actions such as treating the resource with culturally appropriate dignity and protecting the cultural character and integrity of the resource (according to PRC Section 21084.3).			
	Mitigation Measure 3.5-2: Unanticipated Discovery of Submerged Cultural Resources: If an unanticipated discovery of cultural resources occurs on land under the jurisdiction of the California State Lands Commission (CSLC), the following protocols will be followed. • LSPGC shall immediately notify the CPUC of the discovery and the CPUC shall initiate consultation with CSLC staff within 2 business days of the discovery. • Per Public Resources Code Section 6313(c), any submerged cultural resource remaining in State waters for more than 50 years is presumed to be archaeologically or historically significant. • The qualified archaeologist assessing the find shall have expertise in maritime archaeology if the find is a maritime archaeological resource. • The CPUC shall consult with the CSLC regarding assessment of the find and development of any treatment measures to minimize or mitigate potential impacts on the resource, pursuant to Public Resources Code Section 21083.2 and CEQA Guidelines Section 15126.4. • The CPUC shall submit to the CSLC any report prepared for the resource as part of the assessment of the find and implementation of treatment measures to minimize or mitigate potential impacts.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	During construction
Energy				
Energy Consumption	**PG&E BMP AQ-1: Vehicle Idling:** A vehicle operator is prohibited from idling an on-road diesel-fueled vehicle with a Gross Vehicle Weight of ≥10,001 pounds (lbs), or an off-road diesel-fueled vehicle with a primary engine ≥25 horsepower (hp), in excess of five minutes unless conducting one or more of the following activities: • Doing work for which the vehicle was intended; • Powering equipment necessary to perform a job function;	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Energy (cont.)				
Energy Consumption (cont.)	• Operating lights or signals to direct traffic at a PG&E job site; • Service, testing or maintenance on the vehicle; • Regenerating an exhaust filter; • Idling for safety reasons, including providing light when working after dark, defrosting windows, keeping the cabin warm to avoid a health hazard, and providing air conditioning to avoid heat illness; • Idling due to traffic conditions beyond the vehicle operator's control; • Warming an engine up to operating temperatures, as specified by the equipment manufacturer; Queuing, such as when a line of off-road trucks forms to receive materials from an excavator. Queuing does not include a vehicle waiting for another vehicle to perform a task. Idling while queuing is not allowed within 100 feet of a residential home.			
Geology, Soils, Seismicity, and Paleontological Resources				
Ground Failure, Slope Instability, and Landslides	**APM GEO-1: Geotechnical Studies and Geologic Hazard Reduction Measures:** The following measures shall be implemented during construction to minimize impacts from geological hazards and disturbance to soils: • Keep vehicle and construction equipment within the limits of the Project and in approved construction work areas to reduce disturbance to topsoil; • Geotechnical studies shall be completed to evaluate the risk of geologic hazards associated with the Project. The geotechnical studies shall provide geotechnical engineering recommendations relative to subsurface soil and rock conditions, groundwater conditions, lateral earth pressures, and seismic classifications of the Project area. Recommendations from the geotechnical studies shall be considered in the final design; • Avoid construction in areas with saturated soils, whenever practical, to reduce impacts to soil structure and allow safe access. Similarly, avoid topsoil salvage in saturated soils to maintain soil structure; • Keep topsoil material on-site in the immediate vicinity of the temporary disturbance or at a nearby approved work area to be used in restoration of temporary disturbed areas. Temporary disturbance areas shall be re-contoured following construction to match pre-construction grades. Areas shall be allowed to re-vegetate naturally or be reseeded with a native seed mix from a local source if necessary. On-site material storage shall be sited and managed in accordance with all required permits and approvals; and • Keep vegetation removal and soil disturbance to a minimum and limited to only the areas needed for construction. Removed vegetation shall be disposed of off-site to an appropriate licensed facility or can be chipped on-site to be used as mulch during restoration.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to any Project-related ground disturbing activities and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Geology, Soils, Seismicity, and Paleontological Resources (cont.)				
Paleontological Finds	**APM PALEO-1: Paleontological Mitigation Monitoring Plan (PRMMP):** Prior to the issuance of grading permits, a qualified paleontologist shall be retained to prepare and oversee the PRMMP for the Project. The PRMMP shall contain monitoring procedures, define areas and types of earthwork to be monitored, and provide methods for determining the significance of fossil discoveries. The PRMMP shall direct that a qualified paleontological monitor (working under the supervision of the qualified paleontologist) shall monitor all excavations or grading at depths exceeding seven feet bgs where potentially fossil-bearing alluvial deposits of Pleistocene age may be present. The duration and timing of paleontological monitoring shall be determined by the qualified paleontologist based on the grading plans and construction schedule and may be modified based on the initial results of monitoring. The PRMMP shall state that any fossils that are collected shall be prepared to the point of curation, identified to the lowest reasonable taxonomic level, and curated into a recognized professional repository (e.g., San Diego Natural History Museum [SDNHM], University of California Museum of Paleontology [UCMP]), along with associated field notes, photographs, and compiled fossil locality data. The repository shall be contracted prior to the start of earthwork to curate and store any discovered and recovered fossils. Such an institution shall be a recognized paleontological specimen repository with a permanent curator, such as a museum or university. Donation of the fossils shall be accompanied by financial support for initial specimen curation and storage. Following the completion of the above tasks, the qualified paleontologist shall prepare a final mitigation report that outlines the results of the mitigation program. This report shall include discussions of the methods used, stratigraphic section(s) exposed, fossils collected, and significance of recovered fossils. The report shall be submitted to appropriate agencies, as well as to the designated repository.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to any Project-related ground disturbing activities and during construction
	APM PALEO-2: Paleontological Resources Findings: If paleontological resources are encountered during ground disturbing activities when the qualified paleontologist or paleontological monitor is not on-site (an inadvertent discovery), earthwork within the vicinity of the discovery shall immediately halt, and the qualified paleontologist shall evaluate the significance of the fossil discovery. If the fossil discovery is deemed significant, the fossil shall be recovered using appropriate recovery techniques based on the type, size, and mode of preservation of the unearthed fossil. Earthwork may resume in the area of the fossil discovery once the fossil has been recovered and the qualified paleontologist deems the discovery site has been mitigated to the extent necessary.	LSPGC and its contractors to implement measure as defined	LSPGC qualified paleontologist to inspect compliance. CPUC mitigation monitor to confirm compliance	During construction
	PG&E BMP PALEO-1: Unanticipated Paleontological Discoveries: If significant paleontological resources are discovered during construction activities, work will stop within 50 feet and the PG&E CRS will be contacted immediately. The CRS will work with the qualified paleontologist to evaluate the discovery. If the discovery is determined to be significant, PG&E will implement measures to protect and document the paleontological resource. Work may not resume within 50 feet of the find until approval by the CRS in coordination with the paleontologist. In the event that significant paleontological resources are encountered during the project, protection and recovery (if feasible and safe) of those resources may be required.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Geology, Soils, Seismicity, and Paleontological Resources (cont.)				
Paleontological Finds (cont.)	Treatment and curation of fossils will be conducted in consultation with the landowner, PG&E, and CPUC. The paleontologist will be responsible for developing the recovery strategy and will lead the recovery effort, which will include establishing recovery standards, preparing specimens for identification and preservation, documentation and reporting, and securing a curation agreement from the approved facility.			
Greenhouse Gas Emissions				
GHG Emissions	**PG&E BMP AQ-1:** Described above under Energy.			
Hazards and Hazardous Materials				
Construction Hazards	**APM HAZ-1: Site-Specific Spill Prevention, Control, and Countermeasure Plan:** A site-specific SPCCP shall be prepared prior to the initiation of storage of hazardous liquids on the Project site in excess of the appropriate regulatory thresholds. In the event of an accidental spill, the Project shall be equipped with secondary containment that meets SPCCP guidelines. The secondary containment shall be sufficiently sized to accommodate accidental spills. The plan shall be provided to the CPUC prior to construction for recordkeeping.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to and during construction
	~~**APM TRA-1:** Described below in Transportation.~~			
	PG&E BMP HAZ-7: Spill Prevention, Control, and Countermeasure (SPCC) Plan: The local/support EFS shall be notified 30 days prior to an SPCC-triggering event occurs. Events that trigger an SPCCP include: • New storage of oil at a facility causing the total oil storage to exceed 1,320 gallons. • Modification to existing oil storage at a facility that contains >1,320 gallons of oil by addition or removal of oil containers >55 gallons. If the oil volume is contained in anything greater than 55 gallons, the SPCC Plan must be certified by a licensed engineer. SPCC containment must be installed prior to moving on-site of oil quantities requiring containment. The PM number must remain open until the local/support EFS notifies the team that the plan is certified by an engineer, and any necessary modifications are complete.	PG&E and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to and during construction
	Mitigation Measure 3.9-1a: Pre-Construction Hazardous Materials Assessment: Prior to the preparation of the Health and Safety Plan and Soils and Groundwater Management Plan for the Project, LSPGC or its contractor(s) shall perform a limited soil and groundwater investigation at proposed construction work areas that overlap with the ~~San José-Santa Clara RWF~~, Cisco Systems 6/Syntax Court Disposal Site, and South Bay Asbestos Superfund Site to characterize soil and groundwater quality prior to construction. Samples shall be collected from each of the proposed work areas that will be disturbed during project construction, and these samples shall be collected to the depth of the planned excavation. Subsurface soil samples shall be analyzed for total petroleum hydrocarbons (TPH) (e.g., gasoline, diesel, and waste oil), Title 22 metals, volatile organic compounds (VOCs), and polychlorinated biphenyls (PCBs) to evaluate the potential	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	At least 60 days prior to, and during, construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hazards and Hazardous Materials (cont.)				
Construction Hazards (cont.)	presence of contamination. Groundwater samples shall be collected if subsurface excavations are anticipated to require dewatering. Additional analyses for VOCs and semi-volatile organic compounds (SVOCs) shall be conducted for groundwater samples collected at construction locations within 1,000 feet of adjacent landfills. In the event the assessment identifies hazardous materials issues, the results of the hazardous materials assessment shall be incorporated into the Site Health and Safety Plan prepared in accordance with Mitigation Measure 3.9-1b and the Soil and Groundwater Management Plan prepared in accordance with Mitigation Measure 3.9-1c to determine whether specific soil and groundwater management and disposal procedures for contaminated materials are required, whether excavated soils are suitable for reuse, and whether construction worker health and safety procedures for working with contaminated materials are required. In the event the assessment does not identify hazardous materials issues, LSPGC shall implement APM WQ-1. LSPGC shall compile the results of these assessments and analyses into a Pre-Construction Hazardous Materials Assessment, and shall submit this Pre-Construction Hazardous Materials Assessment to the CPUC no less than 60 days before the start of construction within the affected areas.			
	Mitigation Measure 3.9-1b: Health and Safety Plan: LSPGC or its contractor(s) shall retain a qualified environmental professional to prepare a site-specific Health and Safety Plan (HASP) in accordance with federal OSHA regulations (29 CFR 1910.120) and Cal/OSHA regulations (8 California Code of Regulations Title 8, Section 5192). Because anticipated contaminants vary depending upon the location of proposed improvements in the Project area and may vary over time, the HASP shall address site-specific worker health and safety issues during construction. The HASP shall include the following information: • Results of sampling conducted in accordance with Mitigation Measure 3.9-1a. • All required measures to protect construction workers and the general public by including engineering controls, monitoring, and security measures to prevent unauthorized entry to the construction areas and to reduce hazards outside of the construction areas. If prescribed contaminant exposure levels are exceeded, personal protective equipment shall be required for workers in accordance with state and federal regulations. • Required worker health and safety provisions for all workers potentially exposed to contaminated materials, in accordance with state and federal worker safety regulations, and designated qualified individual personnel responsible for implementation of the HASP. • The contractor shall have a site health and safety supervisor fully trained pursuant to hazardous materials regulations be present during excavation, trenching, or cut and fill operations to monitor for evidence of potential soil contamination, including soil staining, noxious odors, debris or buried storage containers. The site health and safety supervisor must be capable of evaluating whether hazardous materials encountered constitute an incidental release of a hazardous substance or an emergency spill. The site health and safety supervisor shall implement procedures to be followed in the event of an unanticipated hazardous materials release that may impact health and safety. These procedures shall be in accordance with hazardous waste operations and regulations and shall specifically include, but need not be	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	At least 30 days prior to, and during, construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hazards and Hazardous Materials (cont.)				
Construction Hazards (cont.)	limited to: 1) immediately stopping work in the vicinity of the unknown hazardous materials release; 2) notifying ~~SCCDEH~~ Santa Clara County Department of Health, ~~RWQCB~~ Regional Water Quality Control Board, or ~~DTSC~~ Department of Toxic Substances Control; and 3) retaining a qualified environmental firm to perform sampling, remediation, and/or disposal. • Documentation of HASP measures that shall be implemented during the Project's construction. • Provision that submittal of the HASP to ~~the~~ LSPGC, or any review of the contractor's HASP by LSPGC, shall not be construed as approval of the adequacy of the contractor as a health and safety professional, the contractor's HASP, or any safety measure taken in or near the construction site. The contractor shall be solely and fully responsible for compliance with all laws, rules, and regulations applicable to health and safety during the performance of the construction work. LSPGC shall submit the Health and Safety Plan to the CPUC 30 days before the start of construction, or upon receipt of the results of the Pre-Construction Hazardous Materials Assessment (whichever comes first).			
	Mitigation Measure 3.17-2a: Described below in Transportation.			
Waste Management	**APM HAZ-2: Hazardous Materials Management Plan:** A HMMP shall be prepared and implemented for the Project. The plan shall be prepared in accordance with relevant state and federal guidelines and regulations (e.g., Cal/OSHA). The plan shall include the following information related to hazardous materials and waste, as applicable: • A list of hazardous materials present on-site during construction and O&M to be updated as needed, along with product Safety Data Sheets and other information regarding storage, application, transportation, and disposal requirements; • A Hazardous Materials Communication (i.e., "HAZCOM") Plan; • Assignments and responsibilities of Project health and safety roles; • Standards for any secondary containment and countermeasures required for hazardous materials; • Spill response procedures based on product and quantity. The procedures shall include materials to be used, location of such materials within the Project area, and disposal protocols; and • Protocols for the management, testing, reporting, and disposal of potentially contaminated soils or groundwater observed or discovered during construction. This would include termination of work within the area of suspected contamination sampling by an OSHA-trained individual and testing at a certified laboratory. The plan shall be provided to the CPUC prior to construction for recordkeeping. Plan updates shall be made and submitted as needed if construction activities change such that the existing plan does not adequately address the Project.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to and during construction activities

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hazards and Hazardous Materials (cont.)				
Waste Management (cont.)	**PG&E BMP HAZ-2: Hazardous Materials Business Plan (HMBP):** The EFS shall be notified 30 days prior to a threshold exceeding hazardous material/waste being placed on-site. Threshold limits are 200 cubic feet of compressed gases (1,000 cubic feet for simple asphyxiation or the release of pressure only; carbon dioxide), 500 lbs of solids, or 55 gallons of liquids for more than 30 non-consecutive days. If required, the local county or city shall be notified of any amount of hazardous material/waste: • Counties: Nevada, San Bernardino (waste only), San Francisco, Santa Clara (call for city specific details), Santa Cruz, Yuba (waste only) • Cities: Bakersfield (waste only), Berkeley, Healdsburg, Sebastopol, Petaluma, Santa Clara (call for city specific details) PG&E shall develop an HMBP as necessary.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction
	PG&E BMP HAZ-3: Hazardous Waste Management: This Project may involve the storage of hazardous materials, and they must be managed according to regulations and the following BMPs. • All releases of hazardous materials must be immediately addressed. Maintain a spill kit on-site during the length of the Project. Contact the Project EFS for spills of hazardous materials/wastes to determine if agency notifications shall be required and/or if additional resources are needed. • Hazardous materials, greater than 440 lbs and less than 1,001 lbs can be transported on PG&E vehicles if the proper materials of trade (MOT) shipping paper/Material Safety Data Sheet (MSDS) accompanies the load. Contact the Project EFS for additional guidance in these areas. • All hazardous materials containers must be marked correctly. • All hazardous materials signs must be displayed as required. • Non-saturated oily rags (to be laundered) stored in non-combustible containers. • Emergency equipment such as fire extinguisher, eye wash, MSDS, etc. must be available on-site. • Hazardous material containers must be in good condition. • All hazardous materials must be compatible with containers. • Hazardous materials containers are kept closed. • If there is an unauthorized release of hazardous material, contact your EFS immediately. For after-hours releases contact the Environmental Emergency Hotline at 1-800-874-4043. Immediately contact the local PG&E EFS and stop work if any of the following conditions occur. After hours or if the local EFS is unavailable, please call the Environmental Hotline at 800-874-4043. • Discharge or spill of hazardous substance.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hazards and Hazardous Materials (cont.)				
Waste Management (cont.)	• If an Environmental Regulator visits the site. • Visually cloudy/muddy water is observed leaving the work area. • An underground storage tank is discovered. • A subsurface component related to site remediation activities (e.g., monitoring well, recovery well, injection well) is discovered. No subsurface components may be impacted. • If during excavation unanticipated evidence of contamination is identified (e.g., staining, odors), work must cease and when safe to do so, cover the trench with steel plates. In order to minimize impacts to public safety and the environment, place contaminated soil on a polyethylene sheet (four milliliters) and cover or place the contaminated soil in lined covered containers. Then contact your local/support EFS to determine the next steps. If any subsurface components related to site remediation activities (e.g., monitoring well, recovery well, injection well) are discovered in the path of excavation, work must cease in that location and your EFS must be notified to determine the next steps. No subsurface components may be impacted.			
Soil Excavation and Dewatering	**APM HAZ-3: Compliance with the Covenant to Restrict Use of Property:** Construction activities within the Cisco Systems Site 6/Syntax Court Disposal Site boundaries (as outlined in Figure 5.9-1, *Contaminated Sites Map*) shall comply with the Covenant to Restrict Use of Property and Environmental Restriction, signed May 23, 2003. Specific activities could include: a) Providing written notice to the Department of Toxic Substances Control (DTSC) at least 14 days prior to ground disturbing construction activities with the location of excavation, proposed depth, and soil management procedures. b) Conducting construction activities in accordance with the SMP and the Health and Safety Plan (2001 and 2015 update). c) Handling excavated soils in accordance with all applicable local, state, and federal regulations.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	Prior to and during construction
	APM HAZ-4: Compliance with the Covenant and Agreement for Environmental Restriction: Construction activities within the South Bay Asbestos Area site boundaries shall comply with the Covenant and Agreement for Environmental Restriction, signed October 21, 2004, by the property owner and the DTSC. Specific activities would include, but not necessarily be limited to, the following: a) Coordinating with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Lead Agency and gaining written approval for ground disturbing activities that could affect the soil cap. b) Preparing a SMP for any soils contaminated with asbestos or asbestos containing materials brought to the surface by grading, excavation, trenching, or backfilling.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to inspect compliance	Prior to and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hazards and Hazardous Materials (cont.)				
Soil Excavation and Dewatering (cont.)	**Mitigation Measure 3.9-1c: Soil and Groundwater Management Plan:** LSPGC or its contractor(s) shall direct the construction contractor to prepare and implement a Soil and Groundwater Management Plan, subject to review by the CPUC and the San Francisco Bay Regional Water Quality Control Board, as well as the Alameda County Water District (for activities within its service area), that specifies the method for handling and disposal of contaminated soil and groundwater prior to construction. The plan shall include all necessary procedures to ensure that excavated materials and fluids generated during construction are stored, managed, and disposed of in a manner that is protective of human health and in accordance with applicable laws and regulations. The plan shall include the following information. • Step-by-step procedures for evaluation, handling, stockpiling, storage, testing, and disposal of excavated material, including criteria for reuse and offsite disposal. All excavated materials shall be inspected prior to initial stockpiling, and spoils that are visibly stained and/or have a noticeable odor shall be stockpiled separately to minimize the amount of material that may require special handling. In addition, excavated materials shall be inspected for buried building materials, debris, and evidence of underground storage tanks; if identified, these materials shall be stockpiled separately and characterized in accordance with landfill disposal requirements. If some of the spoils do not meet the reuse criteria and/or debris is identified, these materials shall be disposed of at a permitted landfill facility. • Procedures to be implemented if unknown subsurface conditions or contamination are encountered, such as previously unreported tanks, wells, or contaminated soils. • Procedures for containment, handling, and disposal of groundwater generated from construction dewatering, including the method(s) used to analyze groundwater for hazardous materials likely to be encountered at specific locations (based on the results of Mitigation Measure 3.9-1a), and the appropriate treatment and/or disposal methods. This would include describing procedures to prevent preferential runoff pathways or the cross-connection of aquifers during the drilling for the tower piers. LSPGC shall submit the Soil and Groundwater Management Plan to the CPUC 30 days before the start of construction, or upon the receipt of the results of the Pre-Construction Hazardous Materials Assessment (whichever comes first).	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	At least 30 days prior to, and during, construction
Hydrology and Water Quality				
Dewatering	**APM WQ-1: Groundwater Dewatering and Discharge Measures:** Groundwater, if encountered during construction, shall be handled and discharged in accordance with all state and federal regulations including the following: • Recovered groundwater shall be contained on-site and tested prior to discharge; • When testing determines water is suitable for land application, discharge may be applied to flat, vegetated, upland areas, used for dust control, or used in other suitable construction operations; • Land application shall be made in a manner that discharge does not result in substantial erosion;	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to inspect compliance	During construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Hydrology and Water Quality (cont.)				
Dewatering (cont.)	• Water unsuitable for land application shall be disposed of at an appropriately permitted facility; and • Discharge to surface waters or storm drains may occur only if permitted by the agency(ies) with jurisdiction over the resource (e.g., USACE, RWQCB, and/or CDFW, as applicable).			
Surface Water Quality	**APM WQ-1:** Described above under Dewatering.			
	APM BIO-17: Described above under Biological Resources.			
	APM HAZ-1 through APM HAZ-4 : Described above under Hazards and Hazardous Materials.			
	PG&E FP-11, PG&E FP-12, PG&E FP-15, PG&E FP-16: Described above under Biological Resources.			
	Mitigation Measure 3.4-1c: Described above under Biological Resources.			
	Mitigation Measure 3.9-1a – 3.9-1c: Described above under Hazards and Hazardous Materials.			
Land Use and Planning				
Community Access	~~**APM TRA-1 and**~~ **Mitigation Measure 3.13-2a:** Described in Transportation below.			
Mineral Resources				
	No mitigation required.			
Noise				
	No mitigation required.			
Population and Housing				
	No mitigation required.			
Public Services				
Emergency Services Response	~~**APM TRA-1 and**~~ **Mitigation Measure 3.17-2a:** Described below under Transportation.			
Recreation				
Temporary Recreation Effects	**APM REC-1: Trail Management Plan:** LSPGC shall coordinate with the City of Fremont, City of Milpitas, City of San José, City of Santa Clara, the National Park Service (NPS), Metropolitan Transit Commission (MTC), and the USFWS for the preparation of the Project TMP. The TMP shall identify if a detour route(s) is required, as well as provide for trail-specific traffic control and safety measures for pedestrians, trail users, and motorists.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to and during construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Recreation (cont.)				
Temporary Recreation Effects (cont.	Measures that may be implemented by LSPGC as part of the TMP include, but are not limited to, provision of a crossing guard during periods of active construction along the portions of the trails that would be directly impacted by construction of the Project or designation of a detour route if use of a crossing guard is not practical. Signage and flagging may be used to help direct trail users and provide safety for both trail users and construction crews. A copy of the TMP shall be provided to CPUC for recordkeeping.			
	APM BIO-1, APM BIO-3, APM BIO-4, APM BIO-6, APM BIO-9, APM BIO-10, APM BIO-11, APM BIO-12, APM BIO-13, APM BIO-14, and APM BIO-15: Described above under Biological Resources.			
	APM CUL-1, APM CUL-2, APM CUL-3, APM CUL-4, APM CUL-5: Described above under Cultural Resources.			
	APM GEO-1: Described above under Geology, Soils, Seismicity, and Paleontological Resources.			
	APM PALEO-1 and APM PALEO-2: Described above under Geology, Soils, Seismicity, and Paleontological Resources.			
	~~**APM TRA-1, APM TRA-3,**~~ **Mitigation Measures 3.17-2a and 3.17-2b:** Described in Transportation below.			
	Mitigation Measure 3.1-2: Described above under Aesthetics.			
	Mitigation Measures 3.4-1b, 3.4-1d, and 3.4-5: Described above under Biological Resources.			
	Mitigation Measure 3.5-1: Described above under Cultural Resources.			
Transportation				
Road Closures and Transit Services	~~**APM TRA-1: Traffic Control Plan:** LSPGC shall prepare a TCP to describe measures to guide traffic (such as signs and workers directing traffic), safeguard construction workers, provide safe passage, and minimize traffic impacts. LSPGC shall follow its standard safety practices, including installing appropriate barriers between work zones and transportation facilities, posting adequate signs, and using proper construction techniques. LSPGC shall follow the recommendations regarding basic standards for the safe movement of traffic on highways and streets in accordance with Section 21400 of the California Vehicle Code. As required for obtaining a local encroachment permit, LSPGC shall provide a TCP to the applicable local jurisdictions which shall comply with the U.S. Department of Transportation's (DOT) Manual on Uniform Traffic Control Devices (MUTCD). Construction activities shall be coordinated with local law enforcement and fire protection agencies, as required. Emergency service providers shall be notified, as required by the local permit, of the timing, location, and duration of construction activities. A copy of the TCP shall be provided to CPUC for recordkeeping.~~	~~LSPGC and its contractors to implement measure as defined~~	~~CPUC to review and concur. CPUC mitigation monitor to confirm compliance~~	~~At least 30 days prior to construction~~

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Transportation (cont.)				
Road Closures and Transit Services (cont.)	**APM TRA-2: Coordinate Bus Stop Closures:** If bus stop closures are required for Project implementation, LSPGC shall coordinate closures with Santa Clara VTA and/or Alameda-Contra Costa County Transit ("AC Transit"), as appropriate, in advance of closure to minimize disruptions to service. Where disruptions to service are anticipated, advanced notice shall be given to allow transit users on effected routes to identify and locate a temporary interim bus stop(s). Measures that may be implemented to give advanced notice of disruptions to service may include, but not necessarily be limited to, posting signage at bus stops with planned closures and posting notices for anticipated route detours and bus stop closures on the Santa Clara VTA and AC Transit websites. Identification and implementation of specific measures shall be implemented in coordination with Santa Clara VTA and AC Transit.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to confirm compliance	During construction
	~~**APM TRA-3: Repair Infrastructure:** Following construction, LSPGC shall confirm that contractors have repaired damage to roads, trails, and bicycle facilities resulting from Project construction activities. Existing conditions shall be documented to assure that roads, trails, and bicycle facilities are returned to preconstruction conditions. LSPGC shall confer with local agencies, as needed, to confirm repairs are consistent with preconstruction conditions.~~	~~LSPGC and its contractors to implement measure as defined~~	~~CPUC to review and concur. CPUC mitigation monitor to confirm compliance~~	~~Within 30 Days following repair and prior to Project close out~~
	Mitigation Measure 3.17-2a: Implement Coordinated Traffic Control Plan: LSPGC shall coordinate with Project proponents, contractors, and local agencies, as applicable, for other construction projects in the Project's vicinity that may temporally overlap with Project construction, including, but not limited to, projects identified as potentially contributing to cumulative effects. In consideration of these coordination efforts, at least 30 days before the issuance of construction or building permits, LSPGC shall prepare and implement a traffic control plan for roadways adjacent to and directly affected by the Project. The traffic control plan shall address the transportation impact(s) of the temporally overlapping construction projects within the Project vicinity. The traffic control plan shall include, but not be limited to, the following requirements: • Coordination of individual traffic control plans for the Project with nearby projects. As is available, the individual traffic controls plans shall be appended to the Project's traffic control plan. • Coordination between LSPGC, Project proponents, contractors, and local agencies in developing circulation and detour plans that include safety features (e.g., signage and flaggers). The circulation and detour plans shall address: – Full and partial roadway closures. – Circulation and detour plans to include the use of signage and flagging to guide vehicles through or around the construction zone and any temporary traffic control devices. – Bicycle or pedestrian detour plans, where applicable. – Parking along public roadways.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	At least 30 days prior to construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Transportation (cont.)				
Road Closures and Transit Services (cont.)	– Haul routes for construction trucks and staging areas for instances when multiple trucks arrive at the work sites. – Protocols for updating the traffic control plan to account for delays or changes in the schedules of individual projects. LSPGC's traffic control plan, with proof of coordination, shall be submitted to the CPUC at least 30 days before the start of construction.			
	Mitigation Measure 3.17-2b: Infrastructure Repair Reporting: After completion of the repair of any damaged roads, sidewalks, trails, and bicycle facilities resulting from Project construction activities, LSPGC shall submit a report to the CPUC and other jurisdictions whose facilities have been affected be Project construction (e.g., city, county, state, etc.) to confirm repairs are consistent with preconstruction conditions, and in accordance with applicable requirements associated with permits granted for the Project. The report shall be submitted within 30 days following completion of the repair(s).	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Within 30 days following repair and prior to Project close out
Tribal Cultural Resources				
Tribal Cultural Resources	**APM TCR-1: WEAP Training:** LSPGC shall work with interested Tribes to design the TCRs component of a WEAP that shall be provided to all Project personnel who may encounter and/or alter TCRs or prehistoric/ethnohistoric archaeological properties, including construction supervisors and field personnel. The WEAP shall be submitted to the CPUC prior to construction. No construction worker shall be involved in ground-disturbing activities without having participated in the WEAP. The WEAP shall include, at a minimum: • Training on how to identify potential TCRs and human remains during the construction process; • A review of applicable regulations pertaining to TCRs; • A discussion of procedures to be followed in the event that unanticipated TCRs are discovered during implementation of the Project; • A discussion of culturally appropriate dignity, taking into account the Tribal cultural values and meaning of the resource, including the cultural character and integrity, traditional uses, and confidentiality of resources. • A statement by the construction company or applicable employer agreeing to abide by the WEAP, LSPGC policies, and other applicable laws and regulations. The WEAP may be conducted in concert with other environmental or safety awareness and education programs for the Project, provided that the program elements pertaining to cultural resources are designed with the input of interested Tribes.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to and during all Project activities

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Tribal Cultural Resources (cont.)				
Tribal Cultural Resources (cont.)	**APM TCR-2: Native American Monitoring:** Native American monitoring shall be conducted during ground disturbance associated with the Project when within 100 feet (30 meters) of previously recorded prehistoric, ethnohistoric, or TCRs. Prehistoric and/or ethnohistoric archaeological sites have been recorded within the Project area, and the SLF search and Tribal outreach indicates that lands sacred to the North Valley Yokuts Tribe and the Ohlone Indian Tribe are present within the Project search area. A Native American monitor determined during Tribal consultation shall be retained by LSPGC to monitor excavation associated with the Project to ensure that there is no impact to any significant unanticipated prehistoric, ethnohistoric, or TCR. Prior to construction, LSPGC shall confer with a designated Tribal representative on the appropriate course of action to be taken should unanticipated cultural materials, and specifically human remains, be discovered during construction. Native American monitoring requirements established in this APM may be superseded by government- to-government consultation conducted between the CPUC and Tribal organizations as part of the AB 52 process or otherwise.	LSPGC and its contractors to implement measure as defined	CPUC mitigation monitor to confirm compliance	Prior to and during all Project activities
	APMs CUL-1 through CUL-5, PG&E BMPs CULT-1 through CULT-3, and Mitigation Measure 3.5-1, and Mitigation Measure 3.5-2 described in Cultural Resources, above.			
Utilities and Service Systems				
Utility Conflicts	**APM UTIL-1: Coordination with Utilities:** LSPGC shall notify all utility companies with utilities located within or crossing the Project ROW to locate and mark existing underground utilities along the entire length of the Project. Due to the linear nature of transmission line construction, utilities shall be marked in short segments at least ~~14 days~~ 72 hours prior to construction within said segments. No subsurface work shall be conducted that would conflict with (i.e., directly impact or compromise the integrity of) a buried utility. In the event of a conflict, areas of subsurface excavation shall be realigned vertically and/or horizontally, as appropriate, to avoid other utilities and provide adequate operational and safety buffering, or relocation of the existing utility shall be coordinated with each utility owner/operator. LSPGC shall coordinate with third-party utilities and shall submit the intended construction methodology to the owner of the third-party utility for review and coordination. Construction methods shall be adjusted as necessary to ensure that the integrity of existing utility lines is not compromised.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	Prior to and during all Project activities
AC Corrosion	**APM UTIL-1: Coordination with Utilities:** Described above in Utility Conflicts			
	~~**APM HAZ-5: Final Induction Study and Utility Coordination:** Design and construction of the proposed transmission lines shall be coordinated with existing utility owners (as applicable) to ensure that operation of the new transmission lines shall not cause unsafe electromagnetic induction effects on any existing metallic utilities located in close proximity to the proposed transmission lines. LSPGC shall conduct a detailed induction study for all existing metallic utilities in close proximity to proposed transmission line alignments. Where potential adverse effects are identified by the Final Induction Study, LSPGC shall coordinate with the applicable utility owner to develop appropriate mitigation measures. Final designs and mitigation strategies, if required, shall be submitted to the CPUC prior to commencement of construction of the transmission lines.~~	~~LSPGC and its contractors to implement measure as defined~~	~~CPUC to review and concur. CPUC mitigation monitor to confirm compliance~~	~~At least 90 days prior to construction~~

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Utilities and Service Systems (cont.)				
AC Corrosion (cont.)	**Mitigation Measure 3.19-5: Utility Coordination and Induction Study:** At least 90 days prior to the start of construction, LSPGC shall notify all municipalities, companies, and other public and private entities owning and maintaining utilities within or crossing the right-of-way of the Project, and shall positively identify and confirm the location and type of any utilities present. For those identified utilities that do not pose a threat of AC-induced corrosion attributable to the Project, APM UTIL-1 shall be implemented. For the three identified natural gas pipelines, and all other utilities potentially affected by Project-related AC-induced corrosion (i.e., coated metallic ~~utilities~~ pipelines), design and construction of the Project's 230 kV transmission lines shall be coordinated with the applicable utility owners to definitively locate each utility relative to the Newark to NRS 230 kV transmission line, determine the distance of separation between the transmission line and potentially affected utility, and determine the point of intersection and/or distance along which the Project transmission line is parallel to the utility. LSPGC shall prepare a detailed induction study for all identified existing utilities potentially affected by the Project transmission line alignments. At minimum, the study shall include, but not be limited to, a detailed analysis of the known [coated metallic] pipelines or other utilities identified during these utility surveys (e.g., segment identification assessments); shall identify adequate and implementable measures to avoid corrosion potential; and shall present commitments to the implementation of those actions, including a design of the AC mitigation system for any pipeline found to exceed a time-weighted average of either 30 amperes per square meter, if DC current density exceeds 1 ampere per square meter, or 100 amperes per square meter, if DC current density is less than 1 ampere per square meter. ~~have an AC potential of 2 volts or greater and a schedule to implement any required AC mitigation systems.~~ Pursuant to Section 6.2 ~~6.6~~ of National Association of Corrosion Engineers SP21424-2018, *Alternating Current Corrosion on Cathodically Protected Pipelines: Risk Assessment, Mitigation and Monitoring*, the induction study shall demonstrate that any required mitigation system would reduce an AC density level to either: (1) less than a time weighted average of 30 amperes per square meter if the DC current density exceeds 1 ampere per square meter, or (2) less than a time weighted average of 100 amperes per square meter if the DC current is less than 1 ampere per square meter. ~~the AC potential to less than 2 volts, or an AC density level of less than a time-weighted average of 30 amperes per square meter.~~ No less than 60 days prior to the start of construction of a segment containing an underground utility or utilities identified as being materially affected by accelerated corrosion caused by the Project, LSPGC shall submit the full induction study for the affected segment, including the AC mitigation component, to the CPUC for review and concurrence. Once the CPUC concurrence is secured, LSPGC shall implement the AC mitigation system ~~during construction~~ prior to energization of the Project, phased into the construction process as appropriate. LSPGC shall bear the cost of implementing and maintaining the AC mitigation system as it is part of the Project.	LSPGC and its contractors to implement measure as defined	CPUC to review and concur. CPUC mitigation monitor to confirm compliance	At least 90 days prior to construction

TABLE G-1 (CONTINUED)
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE LSPGC POWER THE SOUTH BAY PROJECT

Environmental Impact	Applicant Proposed Measures (APMs), PG&E BMPs and FPs, and Mitigation Measures (MMs) Identified in the Final ~~Draft~~ EIR	Implementing Actions	Monitoring/Reporting Requirements	Timing
Wildfire				
Emergency Response and Evacuation	~~**APM TRA-1 and**~~ **Mitigation Measure 3.13-2a:** Described in Transportation above.			
Exacerbate Wildfire Risk	**PG&E FP-8: No Fires, Litter, or Pets:** Described in Biological Resources above.			
	PG&E FP-9: Fire Safety Measures: During fire season in designated State Responsibility Areas, equip all motorized equipment with federally approved or state-approved spark arrestors. Use a backpack pump filled with water and a shovel and fire- resistant mats and/or windscreens when welding. During fire "red flag" conditions as determined by Cal Fire, curtail welding. Each fuel truck will carry a large fire extinguisher with a minimum rating of 40 B:C. Clear parking and storage areas of all flammable materials.	PG&E and its contractors to implement measure as defined	PG&E to submit compliance report to CPUC	During construction

Appendix H
Public Meeting Transcript

Tuesday, July 8th, 2025

1
00:01:47.640 --> 00:01:49.650
Tommy Alexander: Hello, everyone! Thank you for joining.

2
00:01:53.090 --> 00:01:55.599
INTERPRETER: Todos gracies por a comparnos.

3
00:01:57.010 --> 00:02:07.930
Tommy Alexander: I'm Tommy Alexander, the California Environmental Quality Act, or CEQA. Project manager for the California Public Utilities Commission or CPUC.

4
00:02:09.800 --> 00:02:11.560
INTERPRETER: Just like Tommy Alexander

5
00:02:14.650 --> 00:02:19.810
INTERPRETER: de la Commissione, California Ambientados.

6
00:02:22.600 --> 00:02:35.140
Tommy Alexander: And we are here for a public meeting for the draft Environmental Impact Report or EIR for the Ls power grid, California power of the South Bay Project.

7
00:02:40.520 --> 00:02:51.629
INTERPRETER: Parabar del informe sogre el impacto ambiental que stato davia emborador el projecto esl de lspng power en la parte sur de la.

8
00:02:53.990 --> 00:03:00.830
Tommy Alexander: For the rest of the presentation. We'll just be referring to Ls power grid, California as Ls power for short.

9
00:03:01.520 --> 00:03:11.359
INTERPRETER: El es power grid California.

10
00:03:12.860 --> 00:03:21.890
Tommy Alexander: And this report is prepared, pursuant to CPUC Application number a 24, 0 5, 0 1, 4.

11
00:03:25.270 --> 00:03:34.359
INTERPRETER: E. As a projector stavazado en la solicitude concifiusil solicitud numero a dos cuatro cerro cinco cerro uno cuatro.

12
00:03:38.080 --> 00:03:39.419
Tommy Alexander: And go next slide.

13
00:03:42.540 --> 00:03:49.349
Steven Johnson: Tommy. One second, I'm gonna stop sharing really quickly to see if I can get the interpretation to show up.

14
00:03:50.320 --> 00:03:50.960
Tommy Alexander: Okay.

15
00:03:51.840 --> 00:04:05.770
Tommy Alexander: I'll say, and Zeke feel free to translate this part or not. But there is a. This meeting will be translated into Spanish, and we're having some slight technical difficulties. There should be an interpretation button.

16
00:04:06.120 --> 00:04:11.130
Tommy Alexander: and the bottom of the screen, which is not popping up. So please bear with us for a moment.

17
00:04:11.540 --> 00:04:28.579
INTERPRETER: Activar el sistema entoces por favor, Esperenzo UN momento.

18
00:04:35.390 --> 00:04:40.929
Tommy Alexander: Alright. I see there's now an interpretation button so hopefully that works.

19
00:04:44.540 --> 00:04:49.729
Tommy Alexander: So, as I mentioned, this meeting will be translated into Spanish in real time.

20
00:04:56.820 --> 00:05:03.959
Tommy Alexander: And really, starting on this slide, you can go ahead and select your preferred language. So

21
00:05:05.190 --> 00:05:10.769
Tommy Alexander: please select the interpretation button which should be at the bottom of your screen

22
00:05:11.380 --> 00:05:15.190
Tommy Alexander: and select your preferred language, either English or Spanish.

23
00:05:17.280 --> 00:05:25.089
Tommy Alexander: Then once you've done that, click the interpretation button again and click mute original audio.

24
00:05:38.220 --> 00:05:42.289
Tommy Alexander: I'll give a moment for everyone to do that, and then we'll move on to the next slide.

25
00:05:57.030 --> 00:06:09.180
Tommy Alexander: Okay, so we will now walk through the meeting agenda. We have a presentation prepared, we will be

26
00:06:09.370 --> 00:06:13.960
Tommy Alexander: providing an overview of the proposed project by Ls power.

27
00:06:14.290 --> 00:06:19.150
Tommy Alexander: We'll then be providing an overview of the draft, EIR, that we've prepared.

28
00:06:19.300 --> 00:06:21.679
Tommy Alexander: pursuant to CEQA for the project

29
00:06:23.020 --> 00:06:32.359
Tommy Alexander: that will include a discussion of public involvement completed to date as well as key environmental issues. Considered in the EIR.

30
00:06:33.740 --> 00:06:38.549
Tommy Alexander: Next we'll discuss project milestones that have occurred to date.

31
00:06:39.100 --> 00:06:48.289
Tommy Alexander: and we'll look forward with next steps in the project schedule, including an overview of the CPUC's decision and review processes

32
00:06:48.700 --> 00:06:54.809
Tommy Alexander: that would lead to approval or denial of the project and certification of the EIR.

33
00:06:56.600 --> 00:07:15.270
Tommy Alexander: Finally, at the end. Once we've completed the presentation. We'll have an opportunity for you to provide public comments verbally in the meeting, and as we'll discuss later, we also will have opportunities for folks to provide written public comments either by mail or by email.

34
00:07:19.420 --> 00:07:39.640
Tommy Alexander: So, as I mentioned earlier, I'm Tommy Alexander, and I'm the CPUC or California Public Utilities Commission Project manager for California Environmental Quality Act or CEQA. Compliance of the project and we are the State Lead Agency for the power of the South Bay Project.

35
00:07:40.840 --> 00:07:43.639
Tommy Alexander: We also on our CEQA. Review team.

36
00:07:43.790 --> 00:07:49.660
Tommy Alexander: have our environmental Consultant Environmental Science Associates, or Esa

37
00:07:49.810 --> 00:08:01.880
Tommy Alexander: and our other presenters today will be Dave Davis, who's Esa's CEQA. Project manager and Vince Molina, who's Esa's deputy Sequel project manager

38
00:08:02.840 --> 00:08:18.820
Tommy Alexander: events. We also have an interpreter, Zeke, who is in the Spanish Channel. So those of you in the English Channel won't be able to hear him, but those of you who selected the Spanish option will be able to hear Zeke translating what we say in real time

39
00:08:21.560 --> 00:08:25.240
Tommy Alexander: we can go next slide, and I believe this is Dave.

40
00:08:26.930 --> 00:08:28.520
Dave Davis: Yeah, thanks, Tommy.

41
00:08:29.660 --> 00:08:34.370
Dave Davis: I'll be presenting a brief overview of the project.

42
00:08:34.963 --> 00:08:44.350
Dave Davis: The project is located in Alameda and Santa Clara counties within the cities of Fremont, Millipedis, San Jose.

43
00:08:44.480 --> 00:08:45.920
Dave Davis: in Santa Clara.

44
00:08:48.200 --> 00:08:58.889
Dave Davis: The application type that is before us is a certificate of public convenience and necessity, or, as we know it. Cpcn.

45
00:08:59.290 --> 00:09:15.740
Dave Davis: The initial application was filed on May 17, th 2024, but due to a change in the project since filing of that application. An amended application was filed on March 3, rd 2025.

46
00:09:17.400 --> 00:09:22.179
Dave Davis: The Cal iso and service date is June 1st 2028.

47
00:09:22.400 --> 00:09:29.459
Dave Davis: Now, when we refer to Cal iso. That is the California Independent system operator.

48
00:09:32.680 --> 00:09:34.100
Dave Davis: Next slide, please.

49
00:09:41.080 --> 00:09:52.570
Dave Davis: On this slide we present the objectives of the project. I'm not going to go through each one. But basically the project objectives are primarily reliability, reliability driven.

50
00:09:52.950 --> 00:10:04.030
Dave Davis: They are also long-term expected load growth objectives largely due to planned data centers in the region as well as delivering renewable energy.

51
00:10:07.050 --> 00:10:08.540
Dave Davis: Next slide, please.

52
00:10:13.330 --> 00:10:16.170
Dave Davis: Here we have the components of the project.

53
00:10:16.570 --> 00:10:20.840
Dave Davis: Ls power will be constructing the transmission line.

54
00:10:20.940 --> 00:10:30.400
Dave Davis: It would extend approximately 12 miles, alternating between overhead configuration and underground configuration.

55
00:10:30.960 --> 00:10:36.610
Dave Davis: There will be 2 miles of overhead configuration, and approximately 10 miles underground.

56
00:10:38.890 --> 00:10:49.060
Dave Davis: The construction of the transmission line would also include installation and or modification of 15 overhead transmission structures

57
00:10:50.780 --> 00:10:57.680
Dave Davis: as well as including telecommunication infrastructure that would be co-located

58
00:10:57.910 --> 00:11:04.699
Dave Davis: with the transmission line which would include 2 telecommunication fiber, optic cables.

59
00:11:09.710 --> 00:11:15.199
Dave Davis: the project, but also include modifications to the existing Pg. And E. Newark.

60
00:11:15.310 --> 00:11:26.659
Dave Davis: 2 30 kv. Substation and the existing Silicon Valley power, or Sbp. Nrs. 2, 30 kv substation

61
00:11:26.890 --> 00:11:33.660
Dave Davis: which would be necessary for the interconnection to Ls powers, new transmission line.

62
00:11:35.770 --> 00:11:48.329
Dave Davis: These substation modifications would be constructed by Pg. And E. And Svp. Respectively, and each entity would continue to operate its own substation and equipment.

63
00:11:50.890 --> 00:11:56.670
Dave Davis: Now here we want to note that these interconnection activities are solely responsible

64
00:11:57.030 --> 00:12:00.660
Dave Davis: to Pg. And E. And Svp.

65
00:12:01.630 --> 00:12:12.489
Dave Davis: CPUC does not have jurisdiction. We note over the Spp interconnection as Spp is actually part of a public agency. The city of Santa Clara.

66
00:12:13.230 --> 00:12:22.129
Dave Davis: however, for purposes of CEQA these pieces must be considered in the Ir. As we need to consider the whole of the project.

67
00:12:24.850 --> 00:12:30.309
Dave Davis: As I mentioned earlier, there was an amended application submitted for the project.

68
00:12:31.360 --> 00:12:39.129
Dave Davis: This was due originally the project was identified by Caliso as the Newark, Nrs.

69
00:12:39.260 --> 00:12:45.300
Dave Davis: Hvdc. Project or High Voltage Direct current Project.

70
00:12:45.890 --> 00:12:52.060
Dave Davis: But it was changed after the Caliso Board of Governors on November 12, th 2024.

71
00:12:52.180 --> 00:13:00.620
Dave Davis: Change the project from an Hvdc. Project which included 2 new Hvdc. Terminals

72
00:13:01.240 --> 00:13:06.949
Dave Davis: to an alternating current line or an A/C. Line with no terminals.

73
00:13:07.510 --> 00:13:14.270
Dave Davis: and this was done in response to the unexpected rise in forecasted demand in the South Bay area.

74
00:13:14.390 --> 00:13:18.119
Dave Davis: largely due to those proposed new data centers.

75
00:13:21.090 --> 00:13:22.500
Dave Davis: Next slide, please.

76
00:13:26.670 --> 00:13:32.429
Dave Davis: On this slide we get a close look at what's going on at the substations

77
00:13:33.490 --> 00:13:36.919
Dave Davis: on the left we have the Pg. And E. Newark substation.

78
00:13:37.380 --> 00:13:41.260
Dave Davis: with the interconnect activity shown in green here

79
00:13:41.830 --> 00:13:44.960
Dave Davis: a short new line with 4 new poles.

80
00:13:46.560 --> 00:13:52.590
Dave Davis: and then on the right, we see what's going on at the Svp interconnection.

81
00:13:52.720 --> 00:14:01.279
Dave Davis: The substation is outlined in orange there, and a significant landmark. There is Levi's Stadium.

82
00:14:03.220 --> 00:14:08.079
Dave Davis: We note here that there will be no new substations as part of this project.

83
00:14:11.160 --> 00:14:12.670
Dave Davis: Next slide, please.

84
00:14:16.840 --> 00:14:19.310
Dave Davis: turning to the environmental analysis.

85
00:14:19.530 --> 00:14:26.469
Dave Davis: want to just give a brief summary of the environmental setting in the area where the project is is located.

86
00:14:28.000 --> 00:14:34.159
Dave Davis: We have. It's it's quite varied. We have utility and water infrastructure. In this area.

87
00:14:34.990 --> 00:14:38.590
Dave Davis: We have Bay lands and restored lands.

88
00:14:39.910 --> 00:14:44.729
Dave Davis: We have a number of trails, many of which, comprising the area's Bay Trail.

89
00:14:46.670 --> 00:14:51.330
Dave Davis: there is significant office and industrial development in the area.

90
00:14:52.800 --> 00:14:56.740
Dave Davis: and the project alignment also skirts the community of Alviso.

91
00:15:02.880 --> 00:15:04.410
Dave Davis: Next slide, please.

92
00:15:08.040 --> 00:15:12.669
Dave Davis: Here's a summary of the public involvement that we've engaged in to date

93
00:15:13.410 --> 00:15:17.359
Dave Davis: 1st off the scoping period for this EIR

94
00:15:17.570 --> 00:15:23.859
Dave Davis: was held between July 29th and August 30, th of 2024.

95
00:15:24.830 --> 00:15:31.420
Dave Davis: Midway through that period 2 scoping meetings were held on August 15, th 2024,

96
00:15:32.470 --> 00:15:39.150
Dave Davis: coming out of the scoping process. CPUC received 4 comment letters

97
00:15:39.330 --> 00:15:46.629
Dave Davis: from the California Department of Fish and Wildlife, the Native American Heritage Commission

98
00:15:47.280 --> 00:15:52.990
Dave Davis: Valley Water. We're in the Santa Clara Valley Water district and Caltrans.

99
00:15:55.820 --> 00:16:04.490
Dave Davis: As for tribal engagement, the CPUC sent notification letters to 25 representatives from 11 tribes.

100
00:16:05.690 --> 00:16:11.730
Dave Davis: The Aman-mitsun tribal band confirmed that the project was outside their tribal territory.

101
00:16:14.050 --> 00:16:17.940
Dave Davis: Ab. 52. Consultation or Assembly Bill.

102
00:16:18.290 --> 00:16:24.709
Dave Davis: 52. Consultation continued with 4 tribes the week by

103
00:16:24.830 --> 00:16:28.420
Dave Davis: Ohlone tribe of the San Francisco Bay area.

104
00:16:29.240 --> 00:16:35.540
Dave Davis: The Costa Noan Remsen Carmel tribe, the Tamiyan nation.

105
00:16:36.230 --> 00:16:40.780
Dave Davis: In the confederated villages of the Lishawn nation.

106
00:16:42.880 --> 00:16:49.569
Dave Davis: Through the course of preparing the EIR, we did have coordination with a couple of public agencies.

107
00:16:50.320 --> 00:16:58.943
Dave Davis: We had coordination with Silicon Valley Power or Svp. Regarding the scope of the interconnection work at the

108
00:17:00.100 --> 00:17:02.170
Dave Davis: Nrs substation.

109
00:17:03.210 --> 00:17:07.399
Dave Davis: And then there was also coordination with the city of San Jose

110
00:17:07.780 --> 00:17:13.639
Dave Davis: and the San Francisco Public Utilities Commission regarding cumulative projects

111
00:17:14.130 --> 00:17:19.880
Dave Davis: and the project's interaction with existing facilities

112
00:17:22.660 --> 00:17:31.860
Dave Davis: with that. I would like to turn this over to my colleague, Vince Molina, who will take us through a summary of our findings of the environmental analysis.

113
00:17:33.350 --> 00:17:35.250
Vincent Molina: Thank you, Dave. Hi, everyone.

114
00:17:36.210 --> 00:17:44.370
Vincent Molina: The table shown in this slide represents the proposed projects. Potential environmental impacts over 4 different categories.

115
00:17:44.540 --> 00:17:47.739
Vincent Molina: No impact less than significant impact.

116
00:17:48.000 --> 00:17:55.680
Vincent Molina: less than significant. With CPUC proposed mitigation measures and significant and and unavoidable impact.

117
00:17:56.430 --> 00:18:06.029
Vincent Molina: The proposed project is anticipated to have no impacts associated with agriculture and forestry, resources and mineral resources.

118
00:18:06.930 --> 00:18:13.440
Vincent Molina: The proposed project is anticipated to have less than significant impacts for 5 resource areas.

119
00:18:13.970 --> 00:18:27.710
Vincent Molina: For some of these resource areas. Ellis power has proposed applicant proposed measures which are intended to reduce or avoid potential environmental impacts. As a result of the proposed project

120
00:18:28.890 --> 00:18:34.479
Vincent Molina: applicant proposed measures or Apms are considered part of the proposed project.

121
00:18:34.760 --> 00:18:43.849
Vincent Molina: and Ls power would be would be responsible for and overseeing the construction and environmental teams that would implement the proposed project.

122
00:18:44.980 --> 00:18:52.769
Vincent Molina: Similarly, best management practices and field protocols have been identified for Pg. And E's scope of work

123
00:18:53.080 --> 00:18:54.809
Vincent Molina: for the proposed project.

124
00:18:55.490 --> 00:18:56.740
Vincent Molina: Similarly.

125
00:18:56.910 --> 00:19:05.200
Vincent Molina: Pg. And E. Would be responsible for overseeing the construction and environmental teams that would implement its best management practices

126
00:19:05.380 --> 00:19:06.910
Vincent Molina: and field protocols.

127
00:19:08.760 --> 00:19:10.399
Vincent Molina: The 3rd category.

128
00:19:10.860 --> 00:19:22.709
Vincent Molina: The proposed project is anticipated to have less than significant impacts with implementation of CPU C proposed mitigation measures for 12 resource areas

129
00:19:23.550 --> 00:19:27.670
Vincent Molina: under the California Environmental Quality Act or CEQA.

130
00:19:27.840 --> 00:19:37.840
Vincent Molina: an environmental impact report must consider mitigation measures which are feasible measures that could minimize significant adverse impacts.

131
00:19:38.210 --> 00:19:40.659
Vincent Molina: In cases when a proposed project

132
00:19:40.940 --> 00:19:46.089
Vincent Molina: is anticipated to result in a potentially significant impact to the environment.

133
00:19:47.200 --> 00:19:56.630
Vincent Molina: Among other requirements, mitigation measures should be fully enforceable and be consistent with all applicable constitutional requirements.

134
00:19:57.950 --> 00:20:02.669
Vincent Molina: and, lastly, the proposed project is anticipated to have significant

135
00:20:02.910 --> 00:20:06.440
Vincent Molina: and unavoidable impacts associated with air quality.

136
00:20:07.200 --> 00:20:17.199
Vincent Molina: Under CEQA a significant and unavoidable impact refers to an environmental effect that is considered substantial and adverse.

137
00:20:17.480 --> 00:20:22.429
Vincent Molina: and one that cannot be reduced to a less than significant level through mitigation measures.

138
00:20:23.490 --> 00:20:28.959
Vincent Molina: The next 2 slides will discuss some of the proposed projects proposed mitigation measures.

139
00:20:29.860 --> 00:20:31.340
Vincent Molina: Next slides, please.

140
00:20:36.070 --> 00:20:44.619
Vincent Molina: For the proposed project. There are significant and unavoidable air quality impacts associated with Silicon Valley powers. Work.

141
00:20:45.690 --> 00:20:52.309
Vincent Molina: Specifically, these are associated with the dust and pollutant Emissions and Associated Health Risk

142
00:20:52.460 --> 00:20:58.669
Vincent Molina: of Svp's interconnection work at the Northern Receiving station or Nrs substation.

143
00:20:59.630 --> 00:21:03.779
Vincent Molina: Svp. Did not propose mitigation measures related to air quality.

144
00:21:04.060 --> 00:21:09.830
Vincent Molina: and the CPUC cannot impose mitigation measures because Spp is a city agency.

145
00:21:09.950 --> 00:21:11.410
Vincent Molina: As discussed earlier.

146
00:21:12.890 --> 00:21:22.630
Vincent Molina: however, Ls power, Ls power would be able to implement 2 mitigation measures related to air quality for their part of work. For the proposed project.

147
00:21:24.130 --> 00:21:28.979
Vincent Molina: 1st is construction, fleet minimum requirements and tracking

148
00:21:29.360 --> 00:21:33.200
Vincent Molina: tier. 4 final emissions controls which ensures

149
00:21:33.860 --> 00:21:40.869
Vincent Molina: that at least 75% of equipment horsepower hours related to off-road construction equipment

150
00:21:41.060 --> 00:21:45.670
Vincent Molina: include tier, 4 final emissions controls, and second.

151
00:21:45.840 --> 00:21:52.719
Vincent Molina: the second mitigation measure is best management practices for construction related fugitive dust emissions.

152
00:21:53.460 --> 00:22:01.750
Vincent Molina: These include measures to reduce fugitive particulate matter, including watering exposed surfaces at least twice per day.

153
00:22:02.230 --> 00:22:08.639
Vincent Molina: covering all hall trucks, transporting soil, sand, or other loose material.

154
00:22:08.940 --> 00:22:15.570
Vincent Molina: limiting vehicle speeds on unpaved roads, and more next slide, please.

155
00:22:18.150 --> 00:22:18.555
Vincent Molina: Oh.

156
00:22:19.180 --> 00:22:36.800
Vincent Molina: and I forgot to mention one thing, it should be noted that while there would be significant and unavoidable impacts associated with air quality, the proposed project could still be approved, pending the CPUC's adoption of a statement of overriding considerations.

157
00:22:37.130 --> 00:22:40.799
Vincent Molina: which is a document that justifies approval of the proposed project.

158
00:22:42.330 --> 00:22:50.149
Vincent Molina: Now we turn over to the mitigation measures for biological resources and cultural resource and tribal cultural resources.

159
00:22:51.210 --> 00:23:01.190
Vincent Molina: The proposed project is anticipated to have less than significant impacts with implementation of mitigation. Measures related to these resource areas.

160
00:23:02.260 --> 00:23:09.309
Vincent Molina: Mitigation measures related to biological resources include habitat restoration and monitoring

161
00:23:09.860 --> 00:23:17.049
Vincent Molina: which requires Ls power to obtain all required environmental permits and preparation of a Restoration plan.

162
00:23:18.030 --> 00:23:25.789
Vincent Molina: The Restoration Plan will address the proposed projects. Potential, temporary and permanent impacts on critical habitat.

163
00:23:27.050 --> 00:23:30.949
Vincent Molina: Second, is the protection of special status wildlife

164
00:23:31.320 --> 00:23:36.399
Vincent Molina: which requires Alice power to perform pre-construction surveys

165
00:23:36.510 --> 00:23:46.190
Vincent Molina: and daily surveys by qualified biologist, including avoidance and protective measures. If special status species are observed in a work area.

166
00:23:46.380 --> 00:23:51.959
Vincent Molina: And 3, rd for biological resources is compliance with local tree ordinances.

167
00:23:53.630 --> 00:24:02.879
Vincent Molina: The mitigation measure for cultural resources and tribal cultural resources include preparation of an archaeological monitoring plan

168
00:24:03.120 --> 00:24:06.999
Vincent Molina: which involves review by the affiliated native American tribe.

169
00:24:07.110 --> 00:24:10.429
Vincent Molina: A training program for construction and field workers

170
00:24:10.740 --> 00:24:15.019
Vincent Molina: and protocols in case of encountering sensitive cultural resources.

171
00:24:16.110 --> 00:24:17.310
Vincent Molina: Next slide, please.

172
00:24:23.500 --> 00:24:27.330
Vincent Molina: This slide presents the proposed projects. Milestones to date.

173
00:24:28.060 --> 00:24:42.029
Vincent Molina: notably the public draft of the EIR was released on June 9th which marks the beginning of a 45-day public and agency review period through July 24th 2025.

174
00:24:43.480 --> 00:24:46.810
Vincent Molina: The next slides will discuss the proposed projects, next steps.

175
00:24:47.100 --> 00:24:49.960
Vincent Molina: and how to submit comments on the draft, EIR.

176
00:24:50.830 --> 00:24:53.370
Vincent Molina: and with that I'll pass it over. Back to you, Tommy.

177
00:24:55.290 --> 00:24:56.340
Tommy Alexander: Thanks, Vince.

178
00:24:56.850 --> 00:24:57.830
Tommy Alexander: So.

179
00:24:57.990 --> 00:25:08.570
Tommy Alexander: as we noted earlier, the public review period for the draft, Dir will conclude on July 2420 25. So

180
00:25:09.450 --> 00:25:11.620
Tommy Alexander: in a little over 2 weeks.

181
00:25:11.870 --> 00:25:14.729
Tommy Alexander: That's July 24th at 5 Pm.

182
00:25:15.780 --> 00:25:22.340
Tommy Alexander: Once the public review period concludes, we will be reviewing all public comments received

183
00:25:22.470 --> 00:25:26.210
Tommy Alexander: and ensuring that those are addressed in the final EIR.

184
00:25:26.550 --> 00:25:32.239
Tommy Alexander: So the final EIR which we're expecting would be released later this year

185
00:25:32.540 --> 00:25:43.919
Tommy Alexander: will contain copies of all comments received on the draft. Dir, so email comments, physical mail verbal comments provided in this meeting anything that

186
00:25:44.180 --> 00:25:46.580
Tommy Alexander: app that we received.

187
00:25:47.480 --> 00:25:56.619
Tommy Alexander: Additionally, the final EIR will include written responses to any of those comments that raise issues about the draft EIR.

188
00:25:56.890 --> 00:26:01.950
Tommy Alexander: and any changes made to the draft, EIR, in response to those comments.

189
00:26:02.640 --> 00:26:06.940
Tommy Alexander: So the final eir.

190
00:26:07.320 --> 00:26:11.570
Tommy Alexander: Again, we're expecting to be issued, and

191
00:26:11.900 --> 00:26:16.009
Tommy Alexander: likely the 4th quarter of 2025. So sometime this fall.

192
00:26:16.500 --> 00:26:25.510
Tommy Alexander: and once the final eir is released. That will be published on the CPUC webpage for the project, and

193
00:26:25.940 --> 00:26:36.880
Tommy Alexander: that will be sort of a an admin final version. The EIR would be certified and would be truly final pending a decision by the CPUC.

194
00:26:37.050 --> 00:26:39.080
Tommy Alexander: And that decision

195
00:26:39.840 --> 00:26:46.789
Tommy Alexander: don't know exactly when it will be that is really in the hands of the administrative lodge edge, or Alj.

196
00:26:47.230 --> 00:26:52.940
Tommy Alexander: That is assigned to this proceeding and the assigned Commissioner's office, but

197
00:26:53.190 --> 00:27:00.909
Tommy Alexander: likely later this year, or in early 2026, and that proceeding process would

198
00:27:02.570 --> 00:27:16.830
Tommy Alexander: move forward, following the release of the final EIR. So the there there would be a scoping ruling which will set forth the schedule for the remaining Cpc. And proceeding, and that will move forward.

199
00:27:17.090 --> 00:27:20.799
Tommy Alexander: starting in this fall with the release of the final EIR.

200
00:27:21.510 --> 00:27:25.390
Tommy Alexander: So once the proceeding moves forward

201
00:27:25.620 --> 00:27:28.760
Tommy Alexander: and and the schedule is set. The

202
00:27:31.370 --> 00:27:35.359
Tommy Alexander: essentially CPUC will issue a proposed decision.

203
00:27:35.930 --> 00:27:41.320
Tommy Alexander: likely some weeks or months following the release of the final EIR.

204
00:27:41.520 --> 00:27:45.040
Tommy Alexander: The proposed decision would set forward the proposal

205
00:27:45.530 --> 00:27:49.749
Tommy Alexander: potentially to certify the EIR and approve the project.

206
00:27:50.180 --> 00:27:53.360
Tommy Alexander: Of course the project could also be denied.

207
00:27:53.460 --> 00:28:00.979
Tommy Alexander: but that would be the scope of the decision, and then the proposed decision would be posted for 30 days of public comment.

208
00:28:01.410 --> 00:28:10.769
Tommy Alexander: Then the CPUC. Will consider comments on the proposed decision, and the Commissioners after that proposed decision

209
00:28:11.000 --> 00:28:14.890
Tommy Alexander: is revised if needed. In response to comments, we'll vote

210
00:28:15.010 --> 00:28:25.330
Tommy Alexander: on whether to adopt the decision, and the decision, again, would either approve or deny Ls power, Cpc. And application for the proposed project.

211
00:28:25.530 --> 00:28:31.609
Tommy Alexander: and, if approved, would result in the certification of the EIR

212
00:28:32.010 --> 00:28:40.150
Tommy Alexander: at that point Ls power would receive a notice to proceed to begin construction, and we're anticipating that

213
00:28:40.420 --> 00:28:50.050
Tommy Alexander: again, depending on that proceeding schedule, following the release of the final EIR that that could come as soon as early 2026.

214
00:28:51.190 --> 00:28:58.469
Tommy Alexander: I believe we mentioned earlier that the Kiso expected in service date for the project

215
00:28:58.760 --> 00:29:03.319
Tommy Alexander: in the transmission plan was set forth as June 1st 2028.

216
00:29:03.700 --> 00:29:07.150
Tommy Alexander: So we're anticipating that the project, if approved.

217
00:29:07.270 --> 00:29:09.430
Tommy Alexander: would be in service by that date.

218
00:29:10.940 --> 00:29:15.230
Tommy Alexander: So that's a little under a little over 2 years of construction.

219
00:29:18.180 --> 00:29:21.139
Tommy Alexander: and we can go next slide. So

220
00:29:23.080 --> 00:29:33.960
Tommy Alexander: now we're getting into the public comment portion of the meeting. So before we get into verbal comments you will have the opportunity on the next slide to provide verbal comments on the draft. EIR.

221
00:29:34.080 --> 00:29:43.650
Tommy Alexander: you also have the opportunity to provide written comments. So you can see here on the screen we have a mailing address. You can

222
00:29:43.790 --> 00:29:54.869
Tommy Alexander: mail a physical public comment to me. The Cpc Project manager, care of ESA at 575 Market Street, the address listed on the screen.

223
00:29:55.430 --> 00:30:01.740
Tommy Alexander: You can also email a written comment to the email listed here, Power the South Bay

224
00:30:01.890 --> 00:30:05.020
Tommy Alexander: @ESAssoc.com.

225
00:30:06.360 --> 00:30:20.619
Tommy Alexander: The deadline, as we mentioned for providing public. I know this is scoping comments, but it's really public comments on the draft. EIR, the deadline is 5 o'clock pm. On July 24th So a little over 2 weeks from today.

226
00:30:21.310 --> 00:30:24.730
Tommy Alexander: And I mentioned earlier the

227
00:30:25.260 --> 00:30:34.910
Tommy Alexander: once the final EIR is prepared that'll be posted on the project web page. That Project web Page is linked below, and you can follow along there for

228
00:30:35.190 --> 00:30:37.320
Tommy Alexander: information on the project.

229
00:30:37.520 --> 00:30:45.990
Tommy Alexander: The draft Dir is linked at that project web page, so you can go there and download it along with all the appendices and other information.

230
00:30:47.620 --> 00:30:53.089
Tommy Alexander: So that's how you can provide a written comment. Now we'll go to the next slide. Then we'll talk about verbal comments.

231
00:30:55.750 --> 00:31:02.080
Tommy Alexander: So just a few guidelines for the discussion today.

232
00:31:03.110 --> 00:31:13.300
Tommy Alexander: please, if you are providing a on the next slide, we'll have the opportunity to provide a verbal comment. Please be concise. We're giving everyone just 2 min to provide a comment.

233
00:31:14.050 --> 00:31:20.830
Tommy Alexander: Please stay on topic and focus your comment on specific issues with the draft. Dir.

234
00:31:21.200 --> 00:31:30.119
Tommy Alexander: please respect other opinions. We're just here to receive your comments and hear what you have to say. So this is just a

235
00:31:30.590 --> 00:31:35.149
Tommy Alexander: a forum for anyone to to say what they need to say.

236
00:31:35.730 --> 00:31:39.679
Tommy Alexander: Comments will be recorded, and as I mentioned, those will be

237
00:31:40.644 --> 00:31:50.649
Tommy Alexander: set forth in the final EIR, and any comments that raise issues with the draft EIR will be addressed and responded to in the final EIR.

238
00:31:51.290 --> 00:31:59.979
Tommy Alexander: and we do encourage written comments. You're, of course, welcome to provide a Ver. Just a verbal comment or a verbal comment and a written comment. But

239
00:32:00.750 --> 00:32:04.710
Tommy Alexander: written comments. You have more space to say what you want to say, and

240
00:32:05.070 --> 00:32:06.660
Tommy Alexander: and more time to do it.

241
00:32:07.390 --> 00:32:11.100
Tommy Alexander: I'll finally say, as I mentioned earlier.

242
00:32:11.420 --> 00:32:18.390
Tommy Alexander: we do have real time Spanish translation. So if you are providing a verbal comment.

243
00:32:18.540 --> 00:32:25.419
Tommy Alexander: please try to speak at a clear pace, and keep in mind that what you're saying will be translated in real time.

244
00:32:29.340 --> 00:32:36.709
Tommy Alexander: So public comments. If you'd like to provide a verbal comment, please go ahead and raise your hand.

245
00:32:36.930 --> 00:32:41.310
Tommy Alexander: and we will call on you, unmute you, and

246
00:32:42.960 --> 00:32:49.559
Tommy Alexander: in order to raise your hand, if you're calling in via the Zoom Platform, which it looks like everyone is.

247
00:32:49.740 --> 00:32:52.699
Tommy Alexander: you can just select the raise hand, icon.

248
00:32:52.810 --> 00:32:55.199
Tommy Alexander: which should be at the bottom of your screen.

249
00:32:56.050 --> 00:33:02.289
Tommy Alexander: If anyone, I don't think anyone is. But if anyone is calling in Via telephone, you can Dial Star 9,

250
00:33:02.410 --> 00:33:04.320
Tommy Alexander: and request to raise your hand.

251
00:33:05.590 --> 00:33:13.999
Tommy Alexander: Once we call on you, we will unmute you. Please state your name and affiliation, and then you can make your comment. We'll have a 2 min clock.

252
00:33:15.950 --> 00:33:18.220
Tommy Alexander: and that's all I have. So

253
00:33:18.780 --> 00:33:23.479
Tommy Alexander: please feel free to raise your hands and provide any comments you'd like to provide.

254
00:36:09.700 --> 00:36:12.960
Tommy Alexander: So just chiming in here we

255
00:36:13.680 --> 00:36:16.249
Tommy Alexander: are not seeing any hands and

256
00:36:16.630 --> 00:36:20.299
Tommy Alexander: been pretty quiet so far. We are. Gonna hang tight and

257
00:36:20.580 --> 00:36:23.079
Tommy Alexander: see if anyone else joins. But

258
00:36:24.830 --> 00:36:29.040
Tommy Alexander: of course this is you're still welcome to raise your hand and provide a comment. But

259
00:36:29.430 --> 00:36:30.930
Tommy Alexander: we'll be here

260
00:36:34.860 --> 00:36:45.410
Tommy Alexander: if there aren't any comments in a little while, and no one else has joined. We may take a pause and go off camera, and then be at the ready to rejoin

261
00:36:45.530 --> 00:36:49.790
Tommy Alexander: or go back on camera to receive comments. If anyone joins.

262
00:36:50.620 --> 00:36:53.000
Tommy Alexander: But for now we'll be here on camera.

263
00:40:21.890 --> 00:40:30.140
Tommy Alexander: hey, everyone. So we haven't had anyone new join, and I can see that attendees are trickling off.

264
00:40:30.380 --> 00:40:36.199
Tommy Alexander: So we are going to take a pause and the presenters will go off camera.

265
00:40:37.050 --> 00:40:38.529
Tommy Alexander: We'll still be here.

266
00:40:38.690 --> 00:40:45.249
Tommy Alexander: and we'll plan to hang on, at least for a little while, to see if anyone joins. Maybe after 5

267
00:40:45.840 --> 00:40:48.809
Tommy Alexander: you're welcome to stay on or drop off and

268
00:40:50.020 --> 00:40:53.939
Tommy Alexander: And of course welcome to provide a a public comment at any point.

269
00:40:54.310 --> 00:40:57.159
Tommy Alexander: I'll just note if if folks are dropping off

270
00:40:58.280 --> 00:41:05.500
Tommy Alexander: as we noted the deadline to provide a public comment is, 5 pm. On July 24th

271
00:41:05.810 --> 00:41:11.479
Tommy Alexander: you can find the draft Dir on the CPUC project. Web page at the link below

272
00:41:12.530 --> 00:41:17.439
Tommy Alexander: should also be able to Google, CPU. C. Power, the South Bay, and find it that way.

273
00:41:17.820 --> 00:41:26.260
Tommy Alexander: You can provide written comments by mail to this address 5, 7, 5 Market Street suite, 3,700 San Francisco.

274
00:41:26.460 --> 00:41:32.519
Tommy Alexander: or by email at powerthesouthday@esasc.com.

275
00:41:37.210 --> 00:41:41.169
Tommy Alexander: And apologies. This says, June 24. It should be July 24.

276
00:41:45.120 --> 00:41:50.180
Tommy Alexander: So thanks everyone for your time, we're gonna go off camera. But we'll be here if anyone else calls in.

277
01:29:54.390 --> 01:29:55.610
Tommy Alexander: Hey, everyone.

278
01:29:56.360 --> 01:29:58.870
Tommy Alexander: We're back. It's 5 30.

279
01:29:59.730 --> 01:30:00.740
Tommy Alexander: We

280
01:30:01.000 --> 01:30:10.259
Tommy Alexander: have been here for 1 h and a half, and no verbal comments have been received in the time elapsed so far.

281
01:30:11.360 --> 01:30:20.399
Tommy Alexander: I'll also note that this public meeting has been recorded and it will be posted on the CPUC project website for viewing.

282
01:30:20.850 --> 01:30:24.109
Tommy Alexander: We can go ahead and go to the next slide.

283
01:30:24.580 --> 01:30:28.040
Tommy Alexander: You can see the link at the bottom of this slide.

284
01:30:28.330 --> 01:30:34.429
Tommy Alexander: so the recording of this meeting will be posted there again. That's also where the draft Dir is posted.

285
01:30:34.790 --> 01:30:43.559
Tommy Alexander: And again, we're expecting we're accepting comments on the draft eir through July 24 at 5 Pm.

286
01:30:43.930 --> 01:30:53.760
Tommy Alexander: You can provide them via mail. At this address, 5, 7, 5 Market Street, San Francisco, or by email at the email on the screen.

287
01:30:56.460 --> 01:31:00.170
Tommy Alexander: we're gonna go ahead and call it, looks like

288
01:31:00.470 --> 01:31:07.419
Tommy Alexander: no one else has called in. And again, we've been here for about 90 min. So just wanna thank everyone for your time.

289
01:31:07.570 --> 01:31:12.600
Tommy Alexander: and participation in the process so far, and have a good evening.

290
01:31:13.760 --> 01:31:14.580
Tommy Alexander: Thank you.