



## Valley – Ivyglen Subtransmission Project CPUC Minor Project Refinement Form

**Minor project refinements** are strictly limited to changes that will not trigger an additional permit requirement (except local government ministerial permits and associated requirements), do not substantially increase the severity of a previously identified significant impact based on criteria used in the FEIR, create a new significant impact, are located within the geographic boundary of the study area of the FEIR, and that don't conflict with any mitigation measure or applicable law or policy.

**Date Requested:** 03/17/2021

**Report No.:** [CPUC Compliance Manager fills in]

**Date Approved:** [date CPUC Compliance Manager sends the approved form back to applicant]

**Approval Agency:** N/A

**Anticipated Start Date for Proposed Action:** 06/01/2021

**Anticipated End Date for Proposed Action:** 3/01/2022

**Property Owner(s):** SCE franchise and SCE private property agreement

**Location/Milepost:** Segments VIG3 and VIG4 as described below.

**Land Use/Vegetative Cover:** Various; as described in attached biological report.

**Sensitive Resources:** Smooth tarplant, as described in attached biological report.

**Modification From:**  Permit  Plan/Procedure  Specification  Drawing  
 Mitigation Measure  Other:

**Describe the proposed minor Project refinement, including how project refinement deviates from current project and an explanation for why the refinements are necessary:**

**Proposal for Additional Work Areas and Disturbances:**

MPR No. 5 proposes that the originally licensed overhead configuration of the VIG 115 kV subtransmission line and telecom be installed underground along Pasadena Street and Third Street, southwest of Interstate 15, in the City of Lake Elsinore (Figure 1).

SCE is proposing to install the 115 kV line and telecom underground using 115 kV risers at poles 4765336E and 4765358E, and telecom risers at poles 4765604E and 4765615E to transition to the overhead position. SCE is pursuing this minor project refinement (MPR) as requested by Lake Elsinore city officials (Attachment B.4), and in response to language in the CPUC President's concurrence for the necessity of the Alberhill system project that states that SCE shall "...engage with all of the affected cities to address community concerns and find solutions and compromises that works in favor of everyone, even if that means alterations to the proposed project."

The proposed underground alignment is mostly within franchise and differs from the licensed overhead

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alignment only at the southeast corner of Third Street and Collier Avenue where an agreement would be necessary for work performed on private property for the installation of a 115 kV vault.

In addition to complying with the request of City officials to underground this portion of the Project, SCE recognizes the following benefits of undergrounding this segment:

- Reduce the likelihood of a single failure causing loss of all 115 kV power to Ivyglen and Fogarty Substations. Currently 115 kV power flows to these two substations through the Valley-Elsinore-Fogarty (VEF) 115 kV subtransmission line. The VEF line runs overhead along Collier Avenue. The licensed Project scope calls for the Valley-Ivyglen (VIG) 115 kV line to cross over the VEF line. If a VIG conductor drops onto the VEF line at this crossing point, both sources of 115 kV power to Ivyglen and Fogarty Substations could be lost. Placing the VIG line underground beneath the VEF line eliminates a single point of failure associated with a dropped conductor from the VIG circuit.
- Avoid potential impacts to the flood control channel along Third Street – The licensed overhead alignment along Third Street (southwest of Collier Avenue) follows the right of way of an existing overhead distribution circuit pole line, installed on the slope of the flood control channel berm. Installing the VIG line overhead as licensed along this path would require boring deep holes into the sloped side of the flood control channel berm for the new VIG subtransmission poles, and then relocating the distribution circuit as underbuild onto the subtransmission poles. Installing the VIG line underground in the roadbed eliminates potential impacts to the flood control channel berm.
- Eliminate the need to relocate existing distribution infrastructure installed underground along Pasadena Street. The licensed overhead alignment follows the southwestern edge of Pasadena Street. Currently there is existing distribution infrastructure installed underground along portions of this side of the street which would have to be relocated to allow installation of subtransmission poles per the licensed alignment in this area. Relocating this underground distribution infrastructure would require extensive construction work in the roadbed of Pasadena Street. In this proposed Project change, the VIG 115 kV line would be routed to avoid this existing underground distribution infrastructure, thus avoiding the cost and impact of this distribution relocation and minimizing disruption of power service to customers fed via this distribution circuit.
- Eliminate the need for a separate underground trench for the VIG fiber optic cable at the Collier Avenue crossing. The licensed alignment includes installing the new fiber optic cable underground in a dedicated conduit bank for several hundred feet along Third Street at the Collier Avenue crossing. In the proposed change, the fiber would be collocated in the same conduit bank as the VIG 115 kV line, removing the impact of the separate conduit bank.
- Eliminate the need for approximately nine private property rights acquisitions – The underground alignment would be constructed in franchise areas, eliminating the need to procure rights from property owners along the overhead alignment.
- Increased reliability – As with any undergrounding, the risk of taking out the line from human interaction with an overhead structure or power line (e.g., car accident, vandalism, etc.) is reduced.

The proposed work areas are within the general disturbance area of the Valley-Ivyglen 115 kV Project and are consistent with the sizes described in Table 2-5 of the FEIR as being necessary to construct the Project components.

The primary activities to be conducted at the proposed work areas would include installation of

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conductor, fiber optic, and telecommunication pullboxes and subtransmission vaults. Construction of these components would be accomplished in a manner consistent with the descriptions contained in the following VIG FEIR Sections: 2.4.5.4, 115 kV Structure Construction; 2.4.5.6, Wire Stringing; and 2.4.7.1, Fiber Optic Line Installation.

The 115 kV and telecom ductbank would be placed underneath Temescal Channel at the intersection of Third Street and Pasadena Street using the Jack and Bore process. Jacking and receiving pits would be excavated in the roadway on either side of Temescal Channel. Trench boxes and steel plates would be placed in the excavations to provide shoring for the protection of workers and equipment in the pits. An auger boring machine placed in the jacking pit would cut a hole underneath the channel to the receiving pit; no disturbance would occur in the channel. Temporary 32" steel casing would be pushed from the jacking pit to the receiving pit before replacing it with permanent 30" HOBAS pipe. Grout would be used to fill the annular space between the outside of the casing and the earth. Conduit placed inside the HOBAS pipe would be connected to the adjacent vaults and pullboxes before backfilling the jacking and receiving pits and repairing the overlying asphalt.

Site preparation activities would include improvement of work areas, and installation of Stormwater Pollution Prevention Plan (SWPPP) best management practices (BMPs).

Following the completion of all construction, sites would be restored/reclaimed in accordance with the Project SWPPPs, Project Commitment D, and the VIG Habitat Restoration and Revegetation Plan.

Environmental impact analysis for use of the above-described areas was conducted as part of this MPR and is provided in the attached biological (Attachments A.1, B.1), cultural (Attachments A.2, B.2), and paleontological reports (Attachments A.3, B.3).

**Describe the dimensions and area of any additional work areas and land disturbance associated with the proposed refinements. Include/attach photos, maps, or other documentation illustrating the existing conditions in the area:**

The underground 115 kV and telecom ductbank and vaults would be installed primarily within the roadbeds of Third Street and Pasadena Street, essentially following the licensed overhead alignment. The proposed refinements would result in 0.001 acres of permanent and 2.57 acres of temporary disturbance in Segments VIG3 and VIG4. The locations, dimensions, and activities for each proposed refinement are provided in Table 1 and are visually shown in Figure 1 and the biological resources maps (Attachments A.1, B.1).

By contrast, the overhead configuration would have included disturbance areas associated with three TSPs (each with an approximate temporary disturbance area of 15,000 square feet, and permanent disturbance area of 28.3 square feet), 17 light weight steel (LWS) poles (each with an approximate temporary disturbance area of 6,300 square feet, and permanent disturbance area of about 3.14 square feet), and wire pulling sites with approximately 76,500 square feet of temporary disturbance, for a total of 5.2 acres of temporary disturbance and 0.003 acres of permanent disturbance.

**Table 1: VIG3–VIG4 Additionally Requested Work Areas**

Segment	Pole / Feature Name	Nearest Structure	Latitude	Longitude	Description	Activity
VIG3	4765604E	336E	33.68818	-117.33611	52 feet northeast of 336E. Installation of telecom riser on previously approved wood pole within previously approved work area.	Installation of telecom riser.
VIG3	5702897	336E	33.68812	-117.33617	21 feet northeast of 336E. Installation of a telecom pullbox and duct bank within a previously approved temporary work area. 25 square feet of permanent disturbance.	Installation of a telecom pullbox and underground duct bank.
VIG3	336E	336E	33.68808	-117.336223	Installation of 115 kV TSP riser, in place of the previously approved standard TSP, within a previously approved work area.	Installation of 115 kV riser.
VIG3	Subtrans Alignment / Telecom Alignment	336E – 358E	N/A	N/A	Between 4765604E and 4765615E. A 25-foot wide, and 4,270 foot long (106,750 square feet) temporary work area for the installation of underground 115 kV and telecom line duct bank.	Installation of underground duct bank
VIG3	M5702894	6001595	33.68759	-117.33654	26 feet northeast of vault 6001595. Installation of telecom pullbox within the asphalt roadway. No additional temporary or permanent disturbance.	Installation of a telecom pullbox.
VIG4	6001595	6001595	33.68753	-117.33655	148 square feet of temporary work area for installation of a 115 kV vault and duct bank. The vault lid will extend into the vegetated area southeast of the sidewalk with a permanent disturbance of 15 square feet.	Installation of vault 6001595 and underground duct bank.
VIG4	Guy Anchor	6001595	33.68750	-117.33685	50 feet southwest of 6001595. 1,225 square feet of temporary work area, that overlaps a previously approved pull site, for access to 2357966E and installation of a guy anchor southeast of 2357966E.	Installation of a guy anchor for support of 2357966E.
VIG4	2357967E	6001595	33.68683	-117.33761	454 feet southwest of 6001595. 420 square feet of temporary work area for the replacement of an existing wood pole with new wood pole.	Replacement of an existing wood pole with a taller new wood pole.
VIG4	6001594	6001594	33.68499	-117.33953	550 square feet of temporary work area for installation of a 115 kV vault and duct bank.	Installation of vault 6001594 and underground duct bank.
VIG4	M5702893	6001594	33.68493	-117.33958	27 feet southwest of vault 6001594. 336 square feet temporary work area for installation of telecom pullbox and duct bank.	Installation of a telecom pullbox and underground duct bank.
VIG4	Receiving Pit	6001594	N/A	N/A	71 feet southwest of vault 6001594. 562 square feet of temporary work area for the receiving pit associated with the jack and bore operation.	Receiving pit for the jack and bore operation underneath the Temescal Channel.

VIG4	Jack and Bore	6001594	N/A	N/A	82 feet southwest of vault 6001594. 880 square feet of temporary work area for the jack and bore placement of underground 115 kV and telecom duct bank under Temescal Channel.	Installation of underground duct bank underneath the Temescal Channel.
VIG4	Jacking Pit	6001594	N/A	N/A	130 feet west of vault 6001594. Temporary work area for the jacking pit associated with the jack and bore operation. The jacking work area is within the temporary disturbance area for duct bank installation.	Jacking pit for the jack and bore operation underneath the Temescal Channel.
VIG4	M5702892	6001593	33.68712	-117.34243	36 feet southeast of vault 6001593. 432 square feet temporary work area for installation of telecom pullbox and duct bank.	Installation of a telecom pullbox and underground duct bank.
VIG4	6001593	6001593	33.68720	-117.34251	332 square feet of temporary work area for installation of a 115 kV vault and duct bank.	Installation of vault 6001593 and underground duct bank.
VIG4	M5702891	6001592	33.68712	-117.34243	14 feet northeast of vault 6001592. Installation of telecom pullbox and duct bank within the work area for vault 6001592.	Installation of a telecom pullbox and underground duct bank.
VIG4	6001592	6001592	33.68933	-117.34539	350 square feet of temporary work area for installation of a 115 kV vault and duct bank.	Installation of vault 6001592 and underground duct bank.
VIG4	358E	358E	33.68961	-117.3459	Installation of 115 kV TSP riser, instead of the previously approved LWS pole, within a previously approved work area. An increase of 25.16 square feet of permanent disturbance.	Installation of 115 kV riser.
VIG4	M5702890	358E	33.68967	-117.34594	24 feet northwest of 358E. Installation of telecom pullbox and duct bank within the work area for 358E.	Installation of a telecom pullbox and underground duct bank.
VIG4	4765615E	358E	33.68973	-117.34607	65 feet northwest of 358E. Installation of telecom riser on previously approved pole within the work area for 358E.	Installation of telecom riser.

Figure 1. Proposed Work Areas and Disturbances Associated with MPR No. 05.



**Summary of Proposed Land Disturbance:**

Newly requested temporary and permanent disturbance areas associated with MPR No. 05 are shown in Table 2. Section 2.4.2.1 of the FEIR states that construction of VIG would disturb approximately 633.7 acres of land, including approximately 141.5 acres of permanent disturbance. Total impacts for all VIG NTPRs/MPRs are anticipated to be below the quantities given in the FEIR. If quantities in future NTPRs/MPRs exceed the FEIR, an explanation of significance will be provided.

**Table 2: Requested Disturbances Associated with MPR No. 05**

Feature	Number of Miles	Temporary Impact Total	Permanent Impact Total
Temporary Work Areas	--	2.57 ac (111,985 sq ft)	--
Vaults/Pullboxes in non-asphalt locations	--	--	0.0009 ac (40 sq ft)
New TSP	--	--	0.0006 ac (25.2 sq ft)
<b>Total</b>	<b>0.00 Miles</b>	<b>2.57 ac (111,985 sq ft)</b>	<b>0.001 ac (65.2 sq ft)</b>

Provide a summary list of applicable Project requirements (e.g., MMs, etc.) for which the refinements are being requested:

No refinements to the Project requirements are being requested. The existing Project requirements will be followed, as applicable, for the newly requested area.

Would the proposed refinements conflict with any of the above-listed MMs or other Project requirements or applicable laws, regulations, or policies?

No Yes

Explain proposed refinements consistency/inconsistency with applicable Project requirements below.

The proposed refinements do not conflict with any of the project commitments or mitigation measures listed in FEIR Section 9 Mitigation Monitoring, Compliance, and Reporting Plan.

**Would the Proposed Project refinements result in a new impact, or increase the severity of a previously analyzed impact on:**

**No Yes**

**Aesthetics (e.g. damage scenic resources or vistas, degrade the existing visual character of the site and its surroundings, or create sources of light or glare)?**

#### **Summary of Proposed Project Refinement Impacts on Aesthetics:**

The overhead to underground conversion proposed in MPR No. 05 would occur in a commercially developed area with visual sensitivity that is considered moderately low as analyzed in the Final EIR (Key Viewpoint 8). In the underground configuration, the line would not be visible, except for limited surface infrastructure such as vault manholes, and riser structures at each end where the line transitions from overhead to underground. The absence of poles and conductor would remove the possibility of glare from metal surfaces, thereby eliminating impact on motorists' views. The above-ground riser TSPs would be visually similar to standard TSPs in the previously proposed overhead configuration. Any impacts from increased nighttime construction activities would be mitigated by implementing MM-AES 5.

The proposed work areas and the work to be conducted are consistent with the descriptions of structures to be installed and disturbances to occur during construction provided in Sections 2.3.1.1, 2.3.1.2, 2.3.1.3, and Table 2-5 of the FEIR.

Aesthetic impacts associated with these refinements do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.1.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Agriculture and Forestry (e.g. convert farmland to non-agricultural use, or forest land to non-forest use, or create a conflict with existing agricultural zoning or a Williamson Act)?**

#### **Summary of Proposed Project Refinement Impacts on Agriculture and Forestry:**

The proposed additional work areas are not located on land designated as farmland or forest. Impacts to agriculture and forestry associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.2.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Air Quality (e.g. violate any air quality standard, or produce criteria air pollutant emissions, or expose sensitive receptors to additional pollutants)?**

**Summary of Proposed Project Refinement Impacts on Air Quality:**

The overhead to underground conversion proposed in MPR No. 5 is not expected to significantly change impacts to air quality. The construction duration for the underground configuration is expected to be two months; approximately one month longer than the overhead configuration. Fugitive dust from trenching would be controlled in accordance with Project Commitment J and the Project Dust Control Plan. In compliance with MM AQ-1, NOx and PM emissions from off-road diesel-powered construction equipment would be minimized to the extent feasible by using Tier 4 interim or Tier 4 Standards for equipment with engines greater than 150 horsepower. The jack and bore operation under the Temescal Channel would use an auger boring machine with a Tier 4 final engine. Per MM AQ-2, daily emissions of equipment would be tracked to ensure NOx emissions stay within the NOx Regional Clean Air Incentive Market Trading Credits (RTCs) purchased for the Project.

Impacts to air quality associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.3.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Biological Resources (e.g. have an adverse effect on sensitive or special-status species; impact riparian, wetland, or any other sensitive habitat; or interfere with the movement of native resident or migratory fish or wildlife)?**

**Previous Biological Survey Report Reference:**

The proposed work areas were included in previous biological surveys for the FEIR, as described in the biological report (Attachments A.1, B.1); supplemental surveys were not necessary.

**Summary of Proposed Project Refinement Impacts on Biological Resources:**

The overhead to underground conversion proposed in MPR No. 05 would not result in significant changes to biological resources as compared to the Final EIR. The alignment is the same as described in the Final EIR and the same species would be affected. The proposed refinement would be mostly within the roadway and minimal biological resources would be present within the alignment. During operation, the proposed alignment would avoid risk of avian electrocution because the electrical equipment would be underground.

The project alignment is adjacent to and crosses underneath the Temescal Channel, but the work would not impact jurisdictional elements of the channel. No amendments to the waters permits would be needed. The underground 115 kV line and telecom would cross underneath Temescal Channel at the intersection of Pasadena Street and Third Street using the Jack and Bore construction method. No disturbance areas, vehicle staging, or equipment/material storage would occur within Temescal Channel. Pressurized drilling fluids would not be used, which would avoid the potential for an unintentional release of drilling fluids into the channel via “frac-out” or spillage.

The 25-foot-wide work area for the underground ductbank trench overlaps with 273 square feet of mapped smooth tarplant in an empty commercial lot at the corner of Pasadena Street and Central Avenue. During construction, crews would implement avoidance and minimization measures to the

extent possible in coordination with biological monitors and in compliance with Commitment k of the VIG MSHCP Phase 2 COI.

Following the completion of all construction, the temporary work areas would be restored/reclaimed in accordance with the Project SWPPPs, Project Commitment D, and the VIG Habitat Restoration and Revegetation Plan.

Several of the proposed features are outside of the WR-MSHCP Phase 2 certificate of inclusion (COI) coverage area due to the change from an overhead to underground configuration. Based on the guidance provided by the RCA, construction of these features will not require notification and approval by the RCA prior to construction because the overall permanent disturbance to baseline vegetation of RCA concern does not exceed the acreage proposed in the MSHCP PSE application. All the proposed features are mapped within MSHCP non-native grasslands, despite their position within asphalt roadways. The VIG MSHCP Phase 2 COI included 0.26 acres of permanent impacts to grasslands of concern for TSP foundations along the proposed alignment (Table 3). MPR No. 5 refinements would include 0.03 acres of permanent impacts for vaults and pullboxes, resulting in a 0.23 acre decrease in permanent impacts to MSHCP grasslands (Table 3). All temporary impacts to vegetation will be restored in accordance with the HRRP.

**Table 3. Permanent Impacts to MSHCP Baseline Grasslands Along the VIG4 Underground Alignment**

MSHCP PSE Application	0.26 acres
Currently Proposed Impacts (MPR No. 5)	0.08 acres
<b>Reduction in Grassland Impacts</b>	<b>0.18 acres</b>

MPR No. 5 proposed work areas are covered under the Stephens' kangaroo rat (SKR) Habitat Conservation Plan. Although approximately 1.2 Acres of the proposed refinements are outside of the SKR buffer depicted in the Certificate of Inclusion, the Riverside County Habitat Conservation Agency has agreed that SCE may reconcile impacted acreage once the Project has reached final design. SCE will be responsible for identifying acreage not previously included in the COI (such as the acreage proposed here) as well as removing acreage that was included in the COI but not disturbed by construction activities.

The activities described in MPR No. 5 do not create a new significant impact or a substantial increase in the severity of an identified impact listed in Section 4.4.4.2 of the FEIR. Indirect impacts that may occur to sensitive species in the vicinity of the proposed work areas would be mitigated in accordance with the Project Commitments and Mitigation Measures. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Cultural Resources (e.g. cause an adverse change to a significant historical, archeological, paleontological, or tribal resource or disturb any human remains)?**

**Summary of Proposed Project Refinement Impacts on Cultural Resources:**

The proposed alignment was included in the cultural and paleontological resource addendum reports (Attachments A.2, B.2, and A.3, B.3); no supplemental surveys were necessary. There are no new sensitive archaeological or paleontological resources located at the proposed work areas based on survey results. Cultural and tribal monitoring would be conducted in accordance with the CRMTP.

Paleontological monitoring, spot checking, and fossil recovery would be implemented for excavations at

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the proposed work areas in accordance with the Project’s PRMP. If a resource is found at the site, SCE would comply with the procedures for unanticipated discoveries provided in MMs CR-1b, CR-4, CR-5, CR-7, the CRMTP, and the PRMP. Impacts to cultural resources associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.5.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Geology, Soils, and Seismicity (e.g. expose people or structures to risk of loss, injury, or death involving seismic-related ground failure including liquefaction or landslides, be located on a geologic unit, unstable soil, or expansive soil)?**

**Summary of Proposed Project Refinement Impacts on Geology, Soils, and Seismicity:**

The proposed refinements would not result in new impacts or increase the severity of impacts to geology, soils, and seismicity as compared to the Final EIR. As identified in the Final EIR, implementation of Project Commitment F would reduce impacts from ground shaking and expansive soil to less than significant. Implementation of BR-15 would reduce potential soil erosion impacts to less than significant. Erosion would be controlled at locations of earth disturbance through the implementation and adherence to the Project linear SWPPP. The VIG LUP SWPPP has been updated to show the proposed work areas. At the completion of all construction, sites would be restored/reclaimed in accordance with the Project SWPPPs, Project Commitment D, and the VIG Habitat Restoration and Revegetation Plan.

Impacts to geology, soils, and seismicity associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.6.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Greenhouse Gas Emissions (e.g. generate a substantial amount of greenhouse gas [GHG] emissions, conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions or GHGs)?**

**Summary of Proposed Project Refinement Impacts on Greenhouse Gas Emissions:**

The overhead to underground conversion proposed in MPR No. 5 is not expected to significantly change impacts to air quality. The construction duration for the underground configuration is expected to be two months; approximately one month longer than the overhead configuration.

In compliance with MM AQ-1, NOx and PM emissions from off-road diesel-powered construction equipment would be minimized to the extent feasible by using Tier 4 interim or Tier 4 Standards for equipment with engines greater than 150 horsepower. The jack and bore operation under the Temescal Channel would use an auger boring machine with a Tier 4 final engine. Per MM AQ-2, daily emissions of equipment would be tracked to ensure NOx emissions stay within the NOx Regional Clean Air Incentive Market Trading Credits (RTCs) purchased for the Project.

Impacts to greenhouse gas emissions associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.7.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Hazards and Hazardous Materials (e.g. create hazards to public or environment through transport, use, disposal, or accident conditions of hazardous materials, be located on a site of hazardous materials, or expose people and structures to loss, injury of death involving wildland fires)?**



**Summary of Proposed Project Refinement Impacts on Hazards and Hazardous Materials:**

Activities occurring at the proposed locations are consistent with the activities described in Sections 2.3.1.1 and 2.3.1.3 of the FEIR. All proposed locations are within the 1,000-foot corridor evaluated for solid waste disposal sites, Cease and Desist Orders, or Cleanup and Abatement orders per Section 4.8.1.1 of the FEIR. Planned ground-disturbing activities include pole installation, anchor installation, jack and bore construction, and installation of underground vaults and duct bank. In the event of an inadvertent discovery, SCE would follow the procedures in Project’s Contaminated Soil and Groundwater Contingency Plan.

Proposed work areas in MPR No. 05 are located outside of the elevated and extreme fire threat areas. Fire danger mitigation would be implemented in accordance with the Project Emergency Action Plan and Fire Control and Emergency Response Plan. Impacts to hazards and hazardous materials associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.8.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Hydrology and Water Quality (e.g. violate water quality standards or discharge waste requirements, alter the existing drainage pattern creating additional sedimentation, runoff water, or polluted runoff, or inundate by seiche, tsunami, or mudflow)?**



**Summary of Proposed Project Refinement Impacts on Hydrology and Water Quality:**

The proposed refinements are located within the San Jacinto Watershed and a portion of the work on Pasadena Street is within the Elsinore Groundwater Basin. The proposed work areas are located within a flood zone, as shown in Figure 4.9-4 of the FEIR; however, the proposed work is consistent with the work described in sections 2.3.1.1 and 2.3.1.3 of the FEIR and would not alter flood flows.

Work areas on Third Street are adjacent to Temescal Channel, and the underground 115 kV line and telecom would cross underneath Temescal Channel at the intersection of Pasadena Street and Third Street using the Jack and Bore method. No disturbance areas, vehicle staging, or equipment/material storage would occur within Temescal Channel. Pressurized drilling fluids would not be used, which would avoid the potential for the unintentional release of drilling fluids into the channel.

Erosion that could affect water quality would be controlled at locations of earth disturbance through the implementation and adherence to the Project linear SWPPP. If stained or odorous soil is found during excavating, SCE would follow the procedures in Project’s Contaminated Soil and Groundwater Contingency Plan. Dewatering, if necessary, would be performed in conformance with the Project linear SWPPP. Groundwater pumped out of the jack and bore pits would be captured in receiving tanks and hauled to an approved location for recycling or disposal.

Impacts to hydrology and water quality associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section

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4.9.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Land Use and Planning (e.g. physically divide an established community; conflict with a land use plan, policy, or regulation of an agency with jurisdiction over the project, or conflict with a habitat conservation plan)?**

**Summary of Proposed Project Refinement Impacts on Land Use and Planning:**

The proposed refinements would result in similar impacts to land use and planning as those described in the Final EIR. The land use would remain unchanged at proposed work locations. Impacts to land use and planning associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.10.4 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Mineral Resources (e.g. result in the loss of known mineral resources of regional and/or state value, or availability of locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan)?**

**Summary of Proposed Project Refinement Impacts on Mineral Resources:**

The overhead to underground conversion proposed in MPR No. 05 would result in similar impacts to mineral resources as those described in the Final EIR. The proposed work areas are in Mineral Resource Zone (MRZ) 3, indicating a likely but undetermined significant mineral resource. The proposed permanent features are within or immediately adjacent to existing roadways where mineral resource recovery is unlikely to occur.

Impacts to mineral resources associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.6.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Noise and Vibration (e.g. expose sensitive receptors to additional noise or vibration, exposure of persons to or generation of excessive noise, ambient noise, ground-borne noise, or vibration)?**



**Summary of Proposed Project Refinement Impacts on Noise and Vibration:**

The overhead to underground conversion proposed in MPR No. 05 would result in similar noise and vibration impacts as those described in the Final EIR. The duration of underground construction is expected to be similar and sensitive receptors would be the same distance from the construction activities as identified for overhead construction. The project route passes close to commercial properties but is not within 300 feet of residences or other sensitive receptors. The temporary noise levels associated with trenching activities may be higher than overhead line construction, but impacts would be reduced to less than significant by implementing Project Commitment H, Mitigation Measure NV-1, and the Project Noise Control Plan. Blasting would not occur at any of the proposed work areas.

Impacts to noise and vibration associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.11.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Population and Housing (e.g. directly or indirectly induce substantial population growth in an area, or displace substantial numbers of people or existing housing)?**



**Summary of Proposed Project Refinement Impacts on Population and Housing:**

The proposed refinements would not increase or displace populations. Impacts to population and housing associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.12.4 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Public Services and Utilities (e.g. result in substantial adverse physical impacts on government facilities that provide a public service or cause environmental impacts to service ratios, response times, or other performance objectives to fire protection, sheriff protection, schools, parks, or other public facilities)?**



**Summary of Proposed Project Refinement Impacts on Public Services and Utilities:**

The proposed refinements would not increase the need for or physically alter any public services. Impacts to public services and utilities associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.13.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

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**Recreation (e.g. increase the use of, or cause adverse effects on, existing neighborhood, parks, or other recreational facilities)?**



**Summary of Proposed Project Refinement Impacts on Recreation:**

The proposed refinements would not cause deterioration to any recreational facilities and would not overlap trails or impact their use. Impacts to recreation associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.14.4 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Transportation and Traffic (e.g. increase hazards due to design feature, result in inadequate emergency access, or conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities)?**



**Summary of Proposed Project Refinement Impacts on Transportation and Traffic:**

The proposed overhead to underground conversion may result in increased lane closures due to trenching in roadways, and the construction duration of two months is approximately one month longer than it would be for overhead construction. Adherence to the Project Traffic Management and Control Plan would ensure compliance with traffic-related Project mitigation measures, TT-1, TT-2, and TT-7. There would be no change to the access routes identified in the Traffic Management and Control Plan. The Project would obtain an encroachment permit from the City of Lake Elsinore and implement the necessary traffic control requirements.

Impacts to transportation and traffic associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.15.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

**Describe any applicable consultation with other governmental agencies conducted for the proposed refinements:**

No consultation with other governmental agencies was necessary or conducted for the proposed refinement.



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