



## EAST COUNTY SUBSTATION PROJECT MINOR PROJECT REFINEMENT REQUEST FORM

<b>Date Submitted:</b>	11-22-13	<b>Request #:</b>	9	
<b>Date Approval Required:</b>	12-03-13	<b>Landowner:</b>	[This information has been redacted due to its confidential nature]	
<b>APN:</b>	[This information has been redacted due to its confidential nature]			
<b>Refinement from (check all that apply):</b>				
<input type="checkbox"/> Mitigation Measure	<input type="checkbox"/> APM	<input checked="" type="checkbox"/> Project Description	<input type="checkbox"/> Drawing	<input type="checkbox"/> Other
<b>Identify source (mitigation measure, project description, etc.):</b>				
<p>Table C-2 and Pages C-33 and C-35 in Section C. Alternatives of the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the East County (ECO) Substation Project (Project) describe the ECO Partial Underground 138 kilovolt (kV) Transmission Route Alternative, which is now referred to as the Section 1 138 kV Underground Transmission Line. The Section 1 138 kV Underground Transmission Line is also described in Notice to Proceed request #9, which was approved by the California Public Utilities Commission on September 25, 2013. The information in this Minor Project Refinement (MPR) request describes additional work areas outside of the right-of-way (ROW) within the Section 1 138 kV Underground Transmission Line component, needed in order to relocate a private landowner's fence, ornamental trees, and irrigation lines. The extra work space needed will be approximately 0.45 acre of temporary work space. A description of the refinements is provided on page 2 of this MPR request, and a list of refinements and the reason for each is provided in Attachment A: Minor Project Refinement Request Screening Form.</p>				
<b>Attachments (check all that apply):</b>				
<input checked="" type="checkbox"/> Refinement Screening Form (provided as Attachment A: Minor Project Refinement Request Screening Form)	<input checked="" type="checkbox"/> Maps (provided as Attachment B: Refinement Area; Attachment C: Refinement Area Survey Results Map)	<input checked="" type="checkbox"/> Other (Attachment D: Photographs; Attachment E: Landowner Acquisition Log; Attachment F: EIR/EIS Study Area Table)		
<b>Under Order 3 of the Decision Granting SDG&amp;E Permit to Construct the East County Substation Project (D.12-04-022), the CPUC may approve minor project refinements under certain circumstances. In accordance with Order 3 of the Decision, respond "yes" or "no" to the following questions (a) through (d).</b>				
<b>(a) Is the proposed refinement outside the geographic boundary of the EIR/EIS study area?</b> No. The proposed Section 1 138 kV Underground Transmission Line refinements are located within the geographic extent of the EIR/EIS study area, which is summarized in Attachment F: EIR/EIS Study Area Table. Biological, drainage, and cultural surveys of the approved Section 1 138 kV Underground Transmission Line were included in the Final EIR/EIS analysis. Attachment C: Refinement Area Survey Results Map depicts the boundaries of the areas that were surveyed for various resources in the Project vicinity.				
<b>(b) Will the proposed refinement result in a new significant impact or a substantial increase in the severity of a previously identified significant impact based on the criteria used in the EIR/EIS?</b> No. Attachment A: Minor Project Refinement Request Screening Form provides a detailed assessment.				
<b>(c) Does the proposed refinement conflict with any mitigation measure or applicable law or policy?</b> No.				

**(d) Does the proposed refinement trigger an additional permit requirement?** No. The construction of the Section 1 138 kV Underground Transmission Line was discussed in Section C. Alternatives of the Final EIR/EIS; therefore, no additional permits will be required that were not already considered through the approval of the Project.

**Describe refinement being requested (attach drawings and photos as needed):**

The Section 1 138 kV Underground Transmission Line was described on pages C-33 and C-35 in Section C. Alternatives of the Project's Final EIR/EIS as the ECO Partial Underground 138 kV Transmission Route Alternative. As shown in Attachment B: Refinement Area, San Diego Gas & Electric Company (SDG&E) proposes an additional approximately 0.45 acre of temporary work space to allow for the relocation of approximately 540 feet of fence including eight ornamental trees and the associated irrigation system located on privately owned land. Per the landowner request, the existing fence will be removed and replaced with an identical new fence approximately 20 feet east, outside of the SDG&E ROW, and the eight new trees and irrigation line will be installed on the east side of the new fence line within the landowners property. The location of the fence and trees proposed for removal is shown in Attachment D: Photographs.

In total, the proposed refinements will result in an increase of approximately 0.45 acre of temporary impacts. There is no net increase in permanent impacts since the fence, trees, and irrigation lines are a relocation of existing structures/objects. Attachment B: Refinement Area depicts the differences in the permanent and temporary impacts of the Section 1 138 kV Underground Transmission Line described in this MPR request in comparison to the approved impacts in the Final EIR/EIS.

**Provide need for refinement (attach drawings and photos as needed):**

The minor refinements described in this MPR request are a result of an existing fence, ornamental trees, and associated irrigation lines located in the acquired permanent ROW for the Section 1 138 kV Underground Transmission Line. The fence needs to be relocated to allow for installation of the transmission line. The landowner requested that SDG&E conduct the relocation and replace the fence and trees in kind.

<b>Date refinement is expected to be implemented:</b>	12-03-13
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**SDG&E Approvals**

Title	Name	Approval Initials	Date	Conditions (see attached)	
Environmental Project Manager	Don Houston	DH	11-21-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Environmental Compliance Lead	Kirstie Reynolds	KR	11-21-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Construction Manager	Brian Telesmanic	BT	11-21-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Environmental Field Supervisor	Jeffry Coward	JC	11-21-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Cultural Resource Specialist	Nicole Morgan	NM	11-21-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

**Landowner Approval (if required)**

Landowner Name	Signature or Other Consent	Date
[This information has been redacted due to its confidential nature]	Attachment E: Landowner Acquisition Log provides documentation of landowner consent.	10-14-13

<b>Resource Agency Coordination</b>				
<b>Resource Agency</b>	<b>Name</b>	<b>Action Required</b>	<b>Date</b>	<b>Documentation (see attached if yes)</b>
No resource agency coordination is required as a result of this MPR request as no jurisdictional resources will be impacted by the proposed refinements.				



**ATTACHMENT A: MINOR PROJECT REFINEMENT REQUEST SCREENING FORM**



# MINOR PROJECT REFINEMENT REQUEST SCREENING FORM

## RESOURCE EVALUATION

The proposed Minor Project Refinement (MPR) request was evaluated to verify that it will not result in a new, significant impact or a substantial increase in the severity of a previously identified significant impact based on the criteria used in the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS). The following table provides a brief summary of the potential impact for each resource area analyzed in the Final EIR/EIS.

EIR/EIS Section	Summary of Potential Impacts
Visual Resources	<p><i>No Change.</i> This MPR request does not include the addition of any new transmission line structures that were not described in the Final EIR/EIS. As depicted in Attachment B: Refinement Area, the replacement fence and ornamental trees will be located in the same general area as the existing fence and trees.</p> <p>An increase of approximately 0.45 acre of temporary impacts is associated with the proposed refinements. The new fence will be identical to the existing fence, and the new trees will be of the same species as the removed trees or a species determined by the landowner. Because the new fence and ornamental trees are replacing the removed fence and trees at a one-to-one ratio, the proposed refinements will not create any additional visual contrast or obstruct any views. Thus, the proposed refinements will not change the impacts to visual resources that were analyzed in the Final EIR/EIS.</p> <p>Mitigation Measures (MMs) VIS-3e and VIS-3f were identified in the Final EIR/EIS to mitigate impacts to long-term landscape alteration and visual contrasts, which include the revegetation of temporarily disturbed areas and the minimization of vegetation removal, where possible, along the Section 1 138 kilovolt (kV) Underground Transmission Line. The area in which the proposed refinements will occur is disturbed bare ground; therefore, no revegetation will be necessary. The activities associated with the construction of the refinements will not affect the overall construction schedule of the Section 1 138 kV Underground Transmission Line.</p> <p>As described in the preceding discussion, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to visual resources, which was determined to be less than significant with mitigation (Class II) in the Final EIR/EIS.</p>
Agriculture	<p><i>No Change.</i> As discussed in the Final EIR/EIS, the Section 1 138 kV Underground Transmission Line is not located on or adjacent to lands designated as Important Farmlands or land entered into Williamson Act contracts. The proposed refinements are located directly adjacent to the Section 1 138 kV Underground Transmission Line. Therefore, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to agriculture, which was determined to be less than significant (Class III) in the Final EIR/EIS.</p>
Air Quality	<p><i>No Change.</i> The amount of heavy equipment utilized and the number of trips needed to construct the Section 1 138 kV Underground Transmission Line are not anticipated to increase beyond what was analyzed in the Final EIR/EIS as a result of the proposed refinements. Likewise, no additional grading is required for installation of the proposed refinements. Therefore, equipment emissions and objectionable odors as a result of the refinements will not exceed those described in the Final EIR/EIS.</p> <p>The expected construction duration associated with the refinements in this MPR will be similar to the schedule anticipated for construction of the originally approved East County Substation Project (Project). The proposed refinements will occur directly adjacent to the</p>

EIR/EIS Section	Summary of Potential Impacts
	<p>Section 1 138 kV Underground Transmission Line right-of-way (ROW); therefore, construction activities for the Section 1 138 kV Underground Transmission Line will not be located substantially closer to any sensitive receptors than what was analyzed in the Final EIR/EIS. The Project-specific Dust Control Plan and MMs AQ-1 and AQ-2—which include fugitive dust control measures, reduced idling times for construction equipment, cleaner engine technology, and appropriate transport of fill materials—will be implemented for the refinements. As a result, the total emissions for the refinements will be consistent with what was analyzed in the Final EIR/EIS.</p> <p>As described in the preceding discussion, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to air quality, which was determined to be significant and unmitigable (Class I) in the Final EIR/EIS.</p>
Climate Change	<p><i>No Change.</i> As previously discussed, the proposed refinements will not increase the amount of heavy equipment utilized nor the number of trips needed to construct the Section 1 138 kV Underground Transmission Line. The Climate Change section of the Final EIR/EIS calculates the maximum annual construction-related greenhouse gas emissions to be approximately 9,000 metric tons of carbon dioxide equivalent (MTCO<sub>2</sub>E) per year, which is well under the National Environmental Policy Act threshold of 25,000 MTCO<sub>2</sub>E per year. Because the proposed refinements do not require any additional grading or heavy equipment, the proposed refinements will not trigger an exceedance of this threshold. Therefore, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to climate change, which was determined to be less than significant (Class III) in the Final EIR/EIS.</p>
Biological Resources	<p><i>No Change.</i> The approved Section 1 138 kV Underground Transmission Line was surveyed for vegetation, wildlife, and rare plants during the initial jurisdictional surveys that were conducted for the Project and were assessed for impacts in the Final EIR/EIS, as shown in Attachment C: Refinement Area Survey Results Map. Rare plant surveys were conducted for the Project between 2009 and 2013. The results of these surveys are detailed in the 2009, 2010, 2011, and 2012 Rare Plant Survey Reports for the Project. Rare plant surveys for 2013 were recently completed and are documented in the 2013 Rare Plant Survey Report, which was submitted to the California Public Utilities Commission (CPUC) on November 14, 2013. No sensitive plant species were located in the refinement areas and associated work space, which are located on disturbed, bare ground. Therefore, the proposed refinement will not result in any adverse impacts to special-status wildlife or plant species.</p> <p>A few special-status wildlife species—such as loggerhead shrike (<i>Lanius ludovicianus</i>)—have the potential to occur within the refinement area; however, all of these species were formerly identified and analyzed in previous wildlife surveys conducted for the Project. All applicable biological MMs identified in the Final EIR/EIS will be implemented during construction of the proposed refinements.</p> <p>As described in the preceding discussion, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to biological resources, which was determined to be significant and unmitigable (Class I) in the Final EIR/EIS.</p>

EIR/EIS Section	Summary of Potential Impacts
Cultural and Paleontological Resources	<p><i>No Change.</i> The Section 1 138 kV Underground Transmission Line alignment, including the proposed refinement area, was surveyed for cultural resources during pre-construction and cultural resources inventory work for the 2011 report, <i>Cultural Resources Survey of 138kv Realignment along the Boulevard to the Border corridor for the East County Substation Project, San Diego County, California</i> (Williams 2011). No resources eligible for the National Register of Historic Places or the California Register of Historic Resources occur within the requested work area for the proposed refinements.</p> <p>The proposed refinements will not increase any impact to cultural resources, as no known cultural resources are located within or adjacent to the refinement area.</p> <p>As indicated in the Final EIR/EIS, the Section 1 138 kV Underground Transmission Line is located within the Peninsular Ranges Batholith, which is designated as Very Low Potential (Class 1) in the Bureau of Land Management’s Potential Fossil Yield Classification System. The proposed refinements are located within the same geological formation. The paleontological monitoring requirements at the refinement areas will remain unchanged.</p> <p>As described in the preceding discussion, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified potential impact to cultural or paleontological resources, which was determined to be less than significant with mitigation (Class II) in the Final EIR/EIS.</p>
Geology, Mineral Resources, and Soils	<p><i>No Change.</i> The activities that will be performed at the requested refinement areas will be conducted in accordance with the activities described in the Project’s Final EIR/EIS. Construction of the proposed refinements will be subject to the same best management practices (BMPs) that will be implemented for the whole Section 1 138 kV Underground Transmission Line, as required by the Linear Storm Water Pollution Prevention Plan (SWPPP) for the Project. As a result, no additional impacts to soils caused by erosion are anticipated.</p> <p>There are no identified mines located within the refinement area. The ground-disturbing activities that will be required to construct the refinements—which include installation of the fence posts, new trees, and irrigation lines—are consistent with the Project’s Final EIR/EIS. As a result, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to geology, mineral resources, and soils, which was determined to be less than significant with mitigation (Class II) in the Final EIR/EIS.</p>
Public Health and Safety; Fire and Fuels Management	<p><i>No Change.</i> The activities performed and the materials utilized during work on the refinement areas will occur in accordance with the description of uses provided in the Project’s Final EIR/EIS. The refinement areas will not create new hazards, and construction will include the materials listed in Table D-10.2 of the Project’s Final EIR/EIS and Table 1: Hazardous Materials and Uses of the Project’s Hazardous Materials and Waste Management Plan. These materials were previously included in the Final EIR/EIS analysis, and all hazardous materials will be handled and disposed of in accordance with the Project’s Hazardous Materials and Waste Management Plan and the Health and Safety Program. In addition, construction in the refinement area will be conducted in accordance with the Project’s Construction Fire Prevention Plan.</p> <p>As described in the preceding discussion, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to public health and safety or fire and fuels management, which was determined to be less than significant with mitigation (Class II) in the Final EIR/EIS.</p>

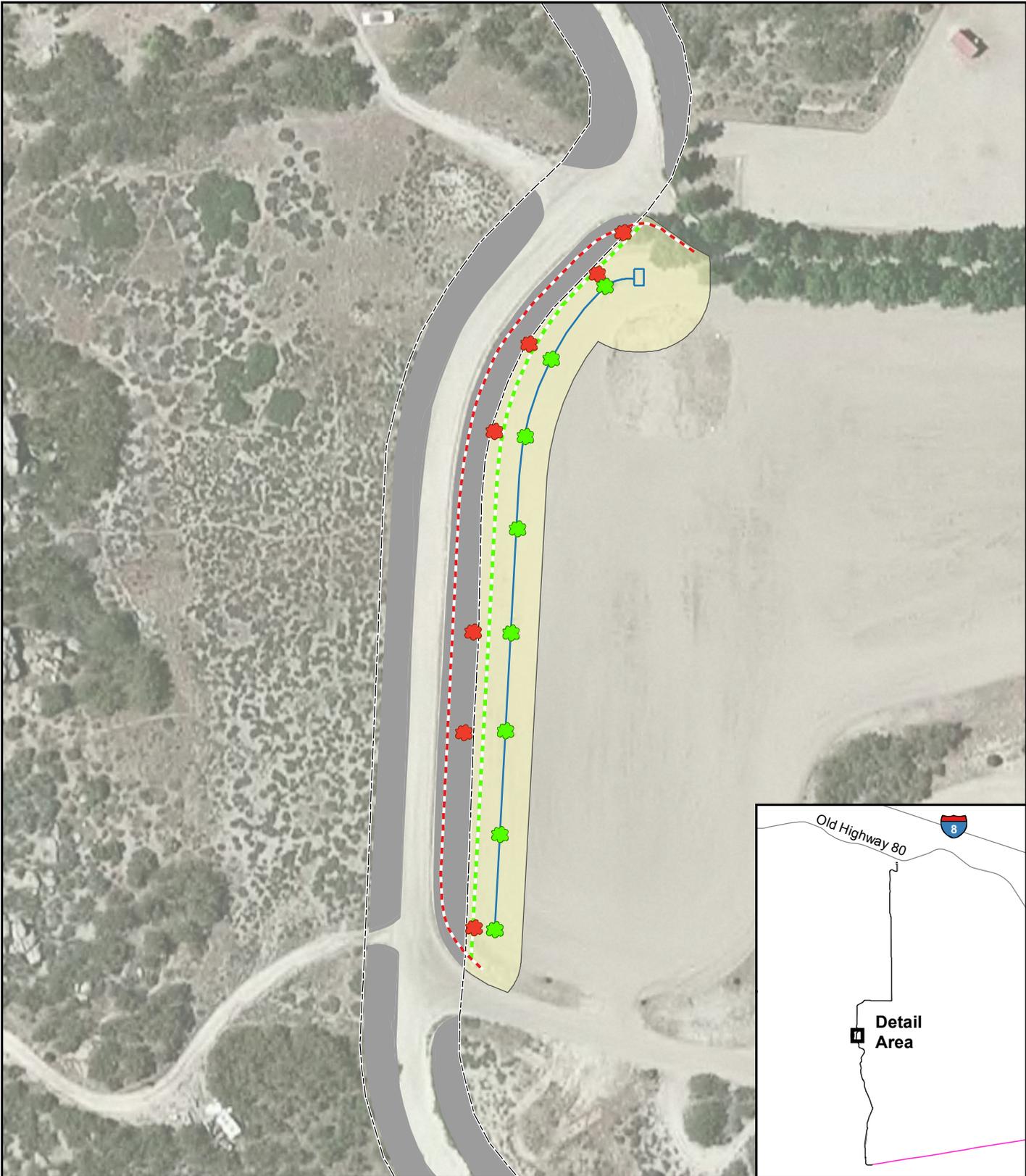
EIR/EIS Section	Summary of Potential Impacts
Water Resources	<p><i>No Change.</i> The approved Section 1 138 kV Underground Transmission Line alignment was surveyed for drainages during the initial jurisdictional surveys that were conducted for the Project. The survey areas are depicted in Attachment C: Refinement Area Survey Results Map. There are no jurisdictional drainages located within or directly adjacent to the refinement area.</p> <p>The refinements will not degrade water quality due to erosion, sedimentation, or spills of potentially harmful materials with the implementation of the Linear SWPPP to reduce erosion and sedimentation and prevent non-storm water from entering surface water or groundwater. No change in the amount of impervious surface will occur as the proposed refinements do not require any paved surfaces. Because the requested refinements do not involve grading, and activities will be limited to fence and tree removal and installation and irrigation installation within a relatively small area, the refinements will not require significant amounts of additional water for dust control and soil compaction. In addition, the irrigation system will be connected to an existing water connection that is currently used for irrigation on the property.</p> <p>The refinement areas will be constructed using the same construction practices as those described in the Project’s Final EIR/EIS. The BMPs provided in the Linear SWPPP will be implemented to reduce the potential for storm water runoff, erosion, sedimentation, and significant alterations to drainage patterns.</p> <p>As described in the preceding discussion, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to water resources, which was determined to be less than significant with mitigation (Class II) in the Final EIR/EIS.</p>
Land Use	<p><i>No Change.</i> As discussed in the Final EIR/EIS, land use impacts will be significant under the California Environmental Quality Act if the Project results in a conflict with an applicable land use plan, policy, or regulations and/or results in a division of an established community or disrupts a recently approved land use. As indicated in the Final EIR/EIS, the land on which the Section 1 138 kV Underground Transmission Line is located is designated as Multiple Rural Use in the County of San Diego General Plan and crosses both undeveloped and rural residential land. Therefore, the refinement areas are also located within land designated as Multiple Rural Use in the County of San Diego General Plan. As a result, the construction of the refinements will be consistent with the analysis in the Final EIR/EIS and will not conflict with any land use plans, policies, or regulations.</p> <p>The proposed refinements are necessary to relocate fencing and trees located within the permanent SDG&amp;E ROW and within private property and directly adjacent to the Section 1 138 kV Underground Transmission Line ROW. No additional landowners will be affected by the refinement activities. As a result, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to land use, which was determined to be less than significant with mitigation (Class II) in the Final EIR/EIS.</p>
Noise	<p><i>No Change.</i> The proposed refinements will be constructed in accordance with the description of construction activities provided in the Project’s Final EIR/EIS for the Section 1 138 kV Underground Transmission Line. As discussed in the Air Quality section of this MPR request, no additional noise-generating activities or heavy equipment will be required to construct the refinements, aside from that which was analyzed in the Final EIR/EIS. The additional temporary disturbance, which was not analyzed in the Final EIR/EIS and results from the proposed refinements, occurs directly adjacent to areas already planned for disturbance; therefore, no new, sensitive receptors will be affected. The overall construction schedule will not be affected by the refinements. Therefore, the</p>

EIR/EIS Section	Summary of Potential Impacts
	<p>impacts from noise will be consistent with those analyzed for construction of the Section 1 138 kV Underground Transmission Line in the Final EIR/EIS. Thus, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact related to noise, which was determined to be significant and unmitigable (Class I) in the Final EIR/EIS.</p>
<p>Social and Economic Conditions</p>	<p><i>No Change.</i> The proposed refinements will be constructed in accordance with the description provided in the Project’s Final EIR/EIS. The refinements will not cause any additional residential displacement nor have an effect on employment of construction personnel beyond what was analyzed in the Final EIR/EIS. As a result, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to social and economic conditions, which was determined to be less than significant (Class III) in the Final EIR/EIS.</p>
<p>Public Services and Utilities</p>	<p><i>No Change.</i> As discussed in the Water Resources section of this MPR request, no additional water will be required for dust control and soil compaction. Furthermore, the overall construction schedule will not be affected, and no additional water trucks will be required beyond those anticipated for construction of the Section 1 138 kV Underground Transmission Line.</p> <p>The proposed refinements are located entirely within privately owned land that is directly adjacent to the Section 1 138 kV Underground Transmission Line alignment, and the refinements are being conducted at the landowner’s request and with their approval for in-kind replacement. The proposed refinements are not located in closer proximity to any overhead or underground utilities other than those which were identified in the Final EIR/EIS. As a result, the potential to disrupt existing utilities will not increase beyond that which was previously identified and analyzed within the Final EIR/EIS.</p> <p>Construction of the proposed refinements will generate similar types and volumes of waste as those which were analyzed in the Final EIR/EIS for construction of the Project.</p> <p>As described in the preceding discussion, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to public services and utilities, which was determined to be less than significant with mitigation (Class II) in the Final EIR/EIS.</p>
<p>Wilderness and Recreation</p>	<p><i>No Change.</i> The proposed refinements are located entirely within privately owned land that is directly adjacent to the Section 1 138 kV Underground Transmission Line alignment. As provided in the Final EIR/EIS, the Section 1 138 kV Underground Transmission Line is located to the southwest of Lake Domingo and crosses several trail and pathway corridors. The proposed refinements will not be in closer proximity nor obstruct access to any wilderness or recreational areas. As a result, the refinements will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to wilderness and recreation, which was determined to be less than significant with mitigation (Class II) in the Final EIR/EIS.</p>
<p>Transportation and Traffic</p>	<p><i>No Change.</i> The refinement area will be located directly adjacent to the Section 1 138 kV Underground Transmission Line alignment. The only construction vehicles and heavy equipment that will be used for the proposed refinements are those that were already required for construction of the approved Project. In addition, all construction activities associated with the refinements will be conducted in accordance with the Transmission Line Traffic Control Plan, which was submitted to the CPUC as Attachment F: Transmission Line Traffic Control Plan to the Section 3 Notice to Proceed request, which was approved by the CPUC on July 30, 2013. Therefore, the refinements will not result in</p>

<b>EIR/EIS Section</b>	<b>Summary of Potential Impacts</b>
	a new, significant impact nor a substantial increase in the severity of a previously identified impact to transportation and traffic, which was determined to be less than significant with mitigation (Class II) in the Final EIR/EIS.

**ATTACHMENT B: REFINEMENT AREA**

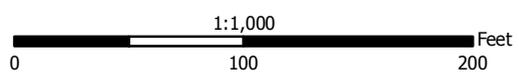




**Attachment B: Refinement Area**

**East County Substation Project**

- Refinement
- Approved Work Area
- Current Tree Location
- New Tree Location
- Current Fence Location
- New Fence Location
- New Irrigation
- Section 1 Approved Project Limits/Right-of-Way





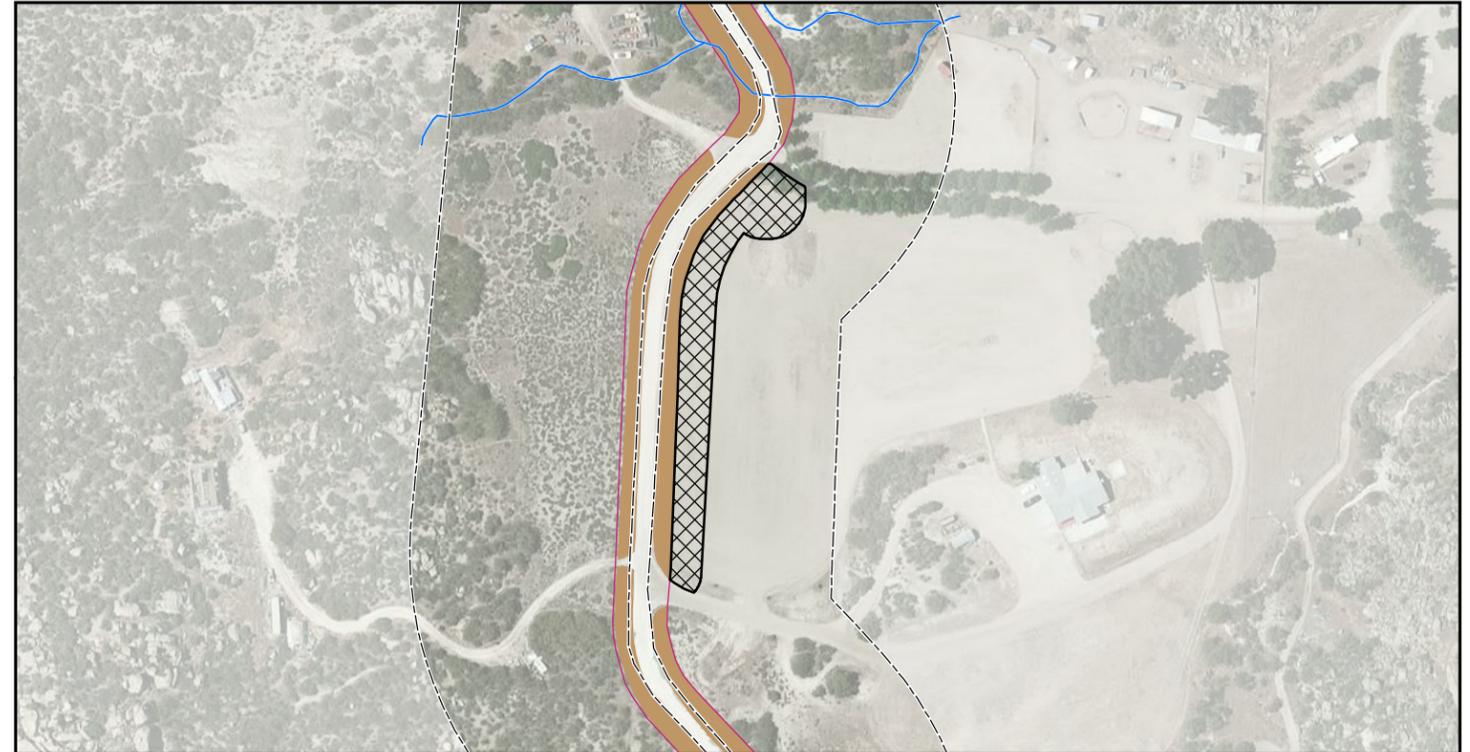
**ATTACHMENT C: REFINEMENT AREA SURVEY RESULTS MAP**



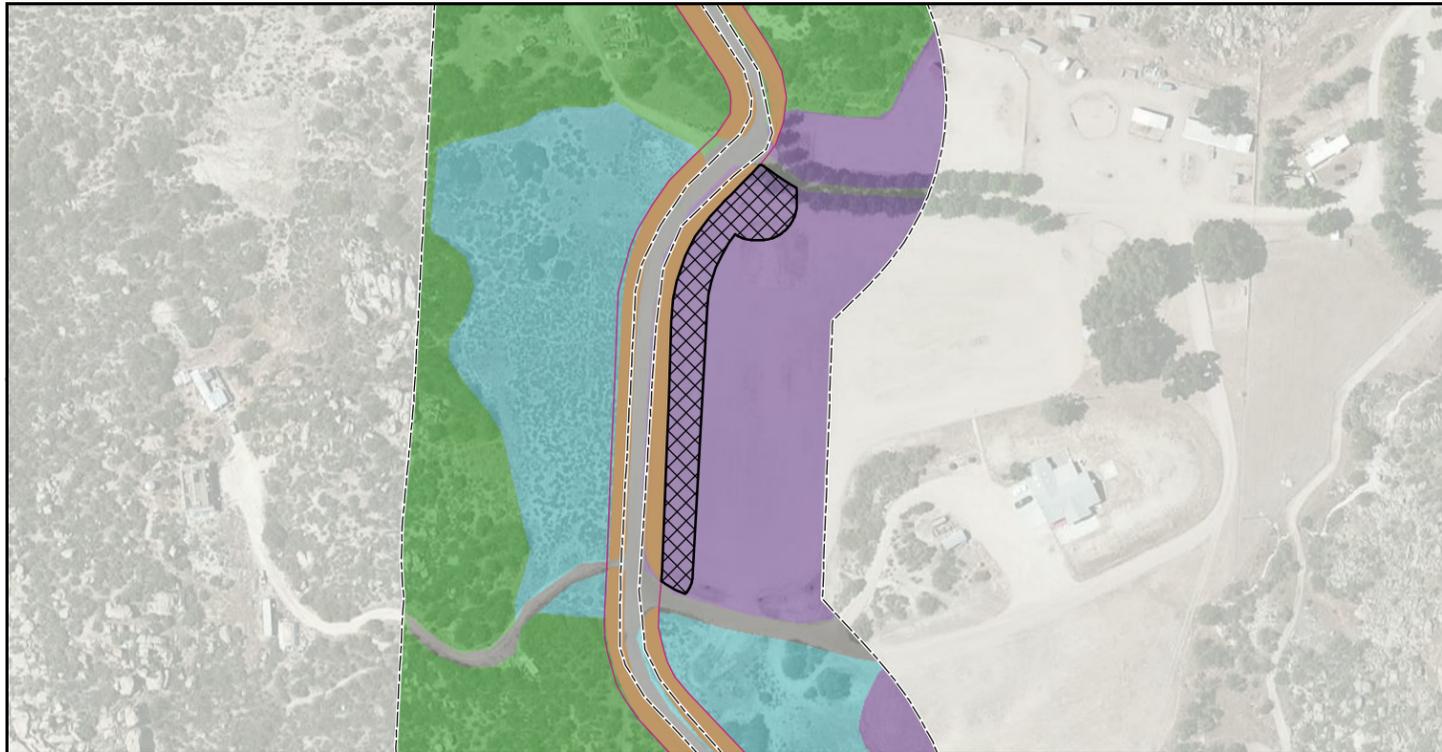
RARE PLANT SURVEY



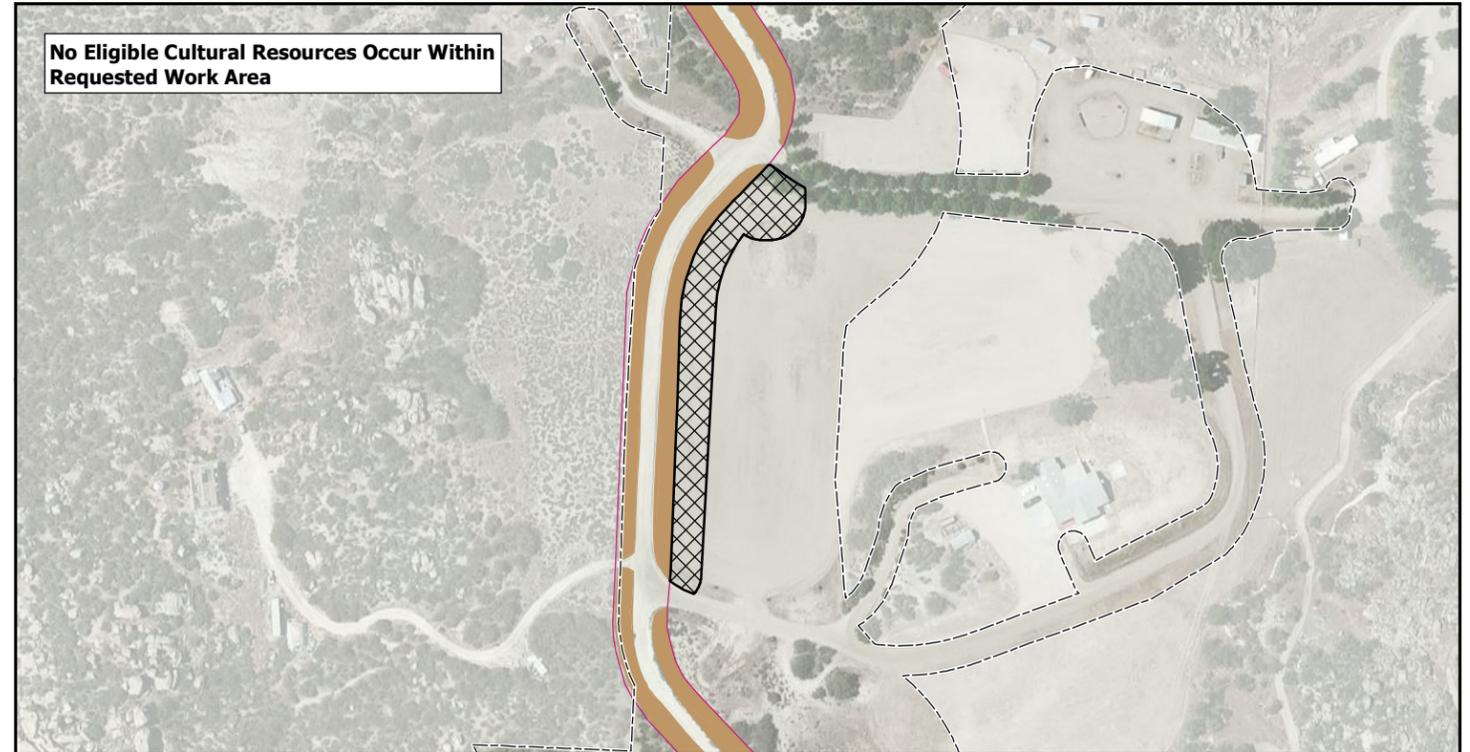
DRAINAGE SURVEY



GENERAL VEGETATION SURVEY



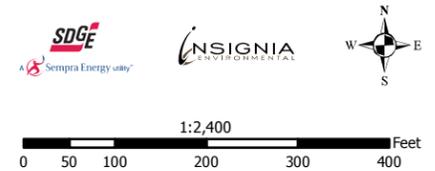
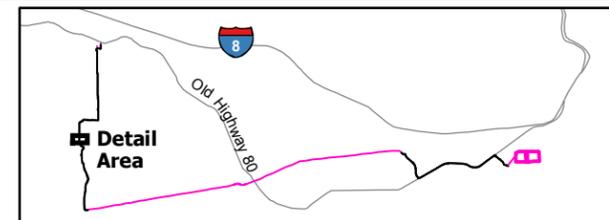
CULTURAL SURVEY



**Attachment C: Refinement Area Survey Results Map**

**East County Substation Project**

- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li> Refinement Area</li> <li> Survey Area</li> <li> Section 1 Approved Project Limits/Right-of-Way</li> <li> Approved Work Area</li> </ul> | <ul style="list-style-type: none"> <li> Drainage</li> <li><b>Rare Plants</b></li> <li> Campo pea</li> <li> Long-spined spineflower</li> </ul> | <ul style="list-style-type: none"> <li><b>Vegetation Types</b></li> <li> Big Sagebrush</li> <li> Chamise-Redshank Chaparral</li> <li> Residential/Developed</li> <li> Road</li> </ul> |
|--|---|---|





**ATTACHMENT D: PHOTOGRAPHS**



**ATTACHMENT D: PHOTOGRAPHS**



**Photograph 1:**  
The existing fence and trees proposed to be removed.



**Photograph 2:**  
The proposed refinement area in which the new fence and trees will be located.



**ATTACHMENT E: LANDOWNER ACQUISITION LOG**



**Due to its confidential nature, Attachment E: Landowner Acquisition Log has been removed.**



**ATTACHMENT F: EIR/EIS STUDY AREA TABLE**



**ATTACHMENT F: EIR/EIS STUDY AREA TABLE**

**Environmental Impact Report/Environmental Impact Statement (EIR/EIS) Study Area Table**

Resource	Study Area from Final EIR/EIS	Location in Final EIR/EIS
Biological Resources	<ul style="list-style-type: none"> <li>• Six parcels (498 acres total) on which the East County (ECO) Substation/Southwest Powerlink (SWPL) loop-in are located</li> <li>• 400-foot-wide corridor along the originally proposed 13.3-mile-long 138 kilovolt (kV) overhead transmission alignment, between the proposed ECO and Boulevard substation sites</li> <li>• Existing Boulevard Substation (within the fenced limits)</li> <li>• 8.5-acre Boulevard Substation Rebuild site</li> <li>• 377-acre alternative ECO Substation site<sup>1</sup></li> <li>• 40 feet from the edge of the disturbed road on each side of the Old Highway 80 – Carrizo Gorge Road underground transmission line route alternative (ECO Partial Underground 138 kV Transmission Route Alternative)</li> <li>• 60-foot-wide corridor along the SWPL to Boulevard portion of the ECO Partial Underground 138 kV Transmission Route Alternative</li> </ul>	<ul style="list-style-type: none"> <li>• Page D.2-3</li> <li>• Figures D.2-1 through D.2-3</li> <li>• Proponent’s Environmental Assessment (PEA) Page 4.4-3</li> <li>• Page C-25</li> <li>• Old Highway 80 – Carrizo Gorge Road Reroute Biological Resources and Jurisdictional Drainages Surveys Summary Report</li> <li>• Figure A-3 of San Diego Gas &amp; Electric Company’s comments on the Draft EIR/EIS</li> </ul>
Visual Resources	Within five miles of the ECO Substation Project (Project) components and alternatives	Page D.3-3
Land Use	Land underlying and directly adjacent to the Project components and alternatives	Page D.4-1
Wilderness and Recreation	Recreation areas and facilities in southeastern San Diego and southwestern Imperial counties	<ul style="list-style-type: none"> <li>• Page D.5-1</li> <li>• Figure D.5-1B</li> </ul>
Agriculture	All California Department of Conservation Farmland Mapping and Monitoring Program agricultural land in San Diego County	Pages D.6-1 and D.6-2

<sup>1</sup> The approved ECO Substation site is located approximately 700 feet east of the originally proposed location on three parcels totaling 377 acres. Additional information regarding the ECO Substation Alternative Site is provided on page C-25 of the Final EIR/EIS.

Resource	Study Area from Final EIR/EIS	Location in Final EIR/EIS
Cultural and Paleontological Resources	0.5-mile radius from Project components and approved alternatives <sup>2</sup>	<ul style="list-style-type: none"> <li>• Pages D.7-2 through D.7-4 regarding information used (distance provided in the PEA section)</li> <li>• Pages C-25 through C-27</li> </ul>
Noise	<ul style="list-style-type: none"> <li>• Distance from closest property line or sensitive receptor from each Project component, including the following:                             <ul style="list-style-type: none"> <li>- Approximately 500 feet from ECO Substation site</li> <li>- Approximately 1,320 feet from SWPL Loop-in site</li> <li>- Approximately 235 feet from the 138 kV transmission line</li> <li>- Approximately 500 feet from the Boulevard Substation site</li> </ul> </li> </ul>	Pages D.8-4 and D.8-5
Transportation and Traffic	<ul style="list-style-type: none"> <li>• Roads in the Project vicinity, including the following:                             <ul style="list-style-type: none"> <li>- Interstate 8</li> <li>- State Route 94</li> <li>- Old Highway 80</li> <li>- Ribbonwood Road</li> <li>- McCain Valley Road</li> <li>- Tule Jim Lane</li> <li>- Jacumba National Cooperative</li> <li>- Carrizo Creek Road</li> <li>- Carrizo Gorge Road</li> <li>- Jewel Valley Road</li> <li>- Several unnamed dirt roads throughout the Project area</li> </ul> </li> <li>• San Diego and Arizona Eastern Railway</li> <li>• Jacumba Airport and Empire Ranch airstrip</li> <li>• San Diego Metropolitan Transit Service Bus Route 888, providing service between El Cajon and Jacumba, California</li> </ul>	Figures D.9-1A and D.9-1B

<sup>2</sup> The approved alternatives include the ECO Substation Alternative Site, as well as the ECO Partial Underground 138 kV Transmission Route Alternative alignments. Additional information regarding the approved alternative areas is provided on pages C-25 through C-27 of the Final EIR/EIS.

<b>Resource</b>	<b>Study Area from Final EIR/EIS</b>	<b>Location in Final EIR/EIS</b>
Public Health and Safety	Within two miles of the ECO Substation site and approximately 14-mile-long overhead transmission line alignment	<ul style="list-style-type: none"> <li>• Page D.10-2</li> <li>• Page ES-1 of the Phase I Environmental Site Assessment of the 377-acre ECO Substation site parcels</li> <li>• Page 5 of the Limited Phase I Environmental Site Assessment for the transmission alignment</li> </ul>
Air Quality	San Diego Air Basin	Page D.11-6
Water Resources	Colorado River Basin	Page D.12-2
Geology, Mineral Resources, and Soils	<ul style="list-style-type: none"> <li>• Within 40 miles for faults</li> <li>• Within 0.5 mile of land underlying Project components and alternatives</li> </ul>	Page D.13-1, Figure D.13-1
Public Services and Utilities	<ul style="list-style-type: none"> <li>• Within 60 miles for landfills</li> <li>• Within five miles for all other public services and utilities</li> </ul>	Page D.14-27
Fire and Fuels Management	Greater eastern San Diego County	Page D.15-1, Figures D.15-1A and D.15-1B
Social and Economic Conditions	Mountain Empire Subregion (Jacumba, Boulevard, Tecate, Potrero, and Campo)	Page D.16-2
Environmental Justice	Mountain Empire Census County Division	Page D.17-1
Climate Change	California	Page D.18-2