



## EAST COUNTY SUBSTATION PROJECT MINOR PROJECT REFINEMENT REQUEST FORM

<b>Date Submitted:</b>	03-22-13 (Originally Submitted) 05-13-13 (Resubmittal)	<b>Request #:</b>	3	
<b>Date Approval Required:</b>	05-17-13	<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>Figure B-7 in the Project Description of the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the East County Substation Project (Project) depicts the approved location of one fly yard along the overhead portion of the 138 kilovolt (kV) transmission line, which is now referred to as Carrizo Gorge Construction Yard 2. Page B-24 of the Final EIR/EIS provides that the Project's fly yards will be used for helicopter takeoff, landing, and refueling activities. The information in this Minor Project Refinement request form addresses the proposed refinements associated with the additional general construction activities to be conducted at the approved Carrizo Gorge Construction Yard 2, the addition of Carrizo Gorge Construction Yard 1, and the addition of a temporary distribution tap at Carrizo Gorge Construction Yard 2.</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"/> Photos (provided as Attachment B: Photographs)	<input checked="" type="checkbox"/> Maps (provided as Attachment C: Site Map)	<input checked="" type="checkbox"/> Other (Attachment D: 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 refinement is located within the geographic extent of the EIR/EIS study area, which is summarized in Attachment D: EIR/EIS Study Area Table. Vegetation, drainage, and rare plant surveys of the Carrizo Gorge construction yards 1 and 2 were included in the EIR/EIS analysis. A supplemental cultural resources survey of an approximately 0.5-acre area of the proposed Carrizo Gorge Construction Yard 1 was conducted on January 14, 2013. Attachment C: Site Map shows the boundaries of the areas that were surveyed for various resources in the Project vicinity, as well as the approved components, proposed refinements and the January 2013 supplemental cultural resources survey boundaries.				
<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. See Attachment A: Minor Project Refinement Request Screening Form for the detailed assessment.				
<b>(c) Does the proposed refinement conflict with any mitigation measure or applicable law or policy?</b> No.				
<b>(d) Does the proposed refinement trigger an additional permit requirement?</b> No. The use of construction yards was contemplated in the Final EIR/EIS; therefore, no additional permits would be required that were not already considered through the approval of other construction yards. All of the resources identified within the requested refinement areas were previously discussed and analyzed within the Final EIR/EIS.				

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

As previously described, Carrizo Gorge Construction Yard 2 was included in the Project’s Final EIR/EIS, which stated that the yard would be used for helicopter takeoffs, landings, and refueling. As part of this Minor Project Refinement request, San Diego Gas & Electric Company (SDG&E) proposes to also use the yard for general construction activities, such as staging and storage of materials. Under the current Project design, SDG&E is also requesting the addition of a new construction yard—Carrizo Gorge Construction Yard 1—to be used for helicopter and general construction activities. More specifically, Carrizo Gorge construction yards 1 and 2 will be utilized for the following:

- Providing a show-up location for Project personnel
- Providing temporary storage areas for on- and off-road construction equipment
- Providing locations for the construction field offices and temporary distribution tap
- Providing staging areas for delivery of materials to localized construction areas
- Providing contained areas for the storage of small quantities of hazardous materials, including hazardous waste
- Providing areas for helicopter operations, maintenance, storage, and refueling
- Providing maintenance areas for construction equipment

The requested new Carrizo Gorge Construction Yard 1 will include a total of approximately 2.3 acres in area outside of existing roads, and will be located south of Carrizo Gorge Construction Yard 2, within and adjacent to the right-of-way (ROW) for the overhead 138 kV transmission line between steel pole (SP) 87 and SP 88. The requested Carrizo Gorge Construction Yard 1 area will be accessed from existing access roads, as depicted in Attachment C: Site Map. While improvements to these existing roads are not necessary to allow for construction traffic to access the yards, as required by mitigation measure (MM) TRA-2, SDG&E will maintain these roads throughout construction and make repairs, as necessary, for damage caused by construction vehicles traveling to and from the yards. This may include adding rock or grading the road to remove ruts. All road maintenance will be performed within the existing road footprint. A temporary distribution tap will be constructed from an existing distribution line located north of Carrizo Gorge Construction Yard 2 to provide power to the construction yard. The distribution tap will require the installation of one or more approximately 60-foot-tall temporary steel poles within Carrizo Gorge Construction Yard 2, which will each have a footprint of approximately 25 square feet (less than 0.01 acre) within the construction yard. A 12-kilovolt (kV) distribution conductor will supply power from an existing distribution line located north of Carrizo Gorge Construction Yard 2 to the construction yard. Attachment C: Site Map depicts the locations of the approved and requested yards.

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

The requested addition of general construction activities to occur at the approved Carrizo Gorge Construction Yard 2 is needed to allow SDG&E to store and stage the transmission line materials in areas where they can more efficiently be utilized. The addition of Carrizo Gorge Construction Yard 1 is being requested based on the proximity of the proposed yard to the overhead transmission line ROW, and due to its location on the south side of the existing Southwest Powerlink (for helicopter use), as shown in Attachment B: Photographs. The temporary distribution tap is needed to provide power to the construction yard for operation of trailers and construction equipment. Attachment C: Site Map depicts the locations of the approved and requested Carrizo Gorge construction yards.

<b>Date refinement is expected to be implemented:</b>	05-20-13
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**SDG&E Approvals**

Title	Name	Approval Initials	Date	Conditions (see attached)	
Project Manager	Don Houston	DH	03/19/13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Environmental Manager	Kirstie Reynolds	KR	03/19/13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Construction Manager	Molly Amendt	MA	03/21/13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Construction Manager	Brian Telesmanic	BT	03/21/13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Lead Biological Monitor	Larry Butcher	LB	01/30/13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Cultural Resource Specialist	Nikki Morgan	NM	03/19/13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Land Advisor	Pete McMorris	PM	03/21/13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>Landowner Approval (if required)</b>					
<b>Landowner Name</b>			<b>Signature or Other Consent</b>		
[This information has been redacted due to its confidential nature]			Documentation of landowner coordination will be included with the Notice to Proceed request for the construction yards.		
<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>	
Not Applicable (N/A)	N/A	N/A	N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No



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



# MINOR PROJECT REFINEMENT REQUEST SCREENING FORM

## RESOURCE EVALUATION

The proposed Minor Project Refinement was evaluated to verify that it would 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
Aesthetics	<p><i>No Change.</i> The construction/fly yard activities that will occur within the approved Carrizo Gorge Construction Yard 2 and requested Carrizo Gorge Construction Yard 1 will be consistent with the uses described in the Final EIR/EIS for staging areas and/or fly yards and the 138 kilovolt (kV) overhead transmission line right-of-way (ROW). As a result, it is anticipated that these activities will be dispersed along the 138 kV transmission alignment within the construction/fly yards and temporary workspace, resulting in fewer areas of heavy use and more areas with moderate use. The temporary distribution tap to Carrizo Gorge Construction Yard 2 will be located within the boundaries of the approved temporary disturbance area for the construction yard. The poles will be similar in height to the existing distribution poles in the area. In addition, the distribution tap will be temporary and removed following construction activities. The temporary steel pole to be installed for the distribution tap will be similar to those installed for the existing distribution poles in the area; as a result, no additional impacts to aesthetics will result from the addition of the distribution tap. The location of the requested addition of Carrizo Gorge Construction Yard 1 will be primarily within and adjacent to ROW for the overhead 138 kV transmission line, between steel pole (SP) 87 and SP 88. Vegetation removal and minor grading will be required within the approximately 2.3-acre Carrizo Gorge Construction Yard 1. However, these areas will be returned to near pre-construction conditions following construction of the East County Substation Project (Project), as is consistent with the Habitat Restoration Plan. In addition, the activities that will occur within Carrizo Gorge construction yards 1 and 2 will be conducted in accordance with those described in the Project’s Final EIR/EIS for the staging and/or fly yards and 138 kV overhead transmission line ROW, and will be short term and temporary in nature. Therefore, there will be no new significant impacts or substantial increase in the severity of a previously identified significant impact related to aesthetics as a result of the requested refinements.</p>
Agriculture and Forestry Resources	<p><i>No Change.</i> The activities that will be performed at Carrizo Gorge construction yards 1 and 2 will not encroach onto agricultural land, nor will they restrict any agricultural activities on or near agricultural land. Therefore, there will be no change in impact to agriculture and forestry resources.</p>

EIR/EIS Section	Summary of Potential Impacts
<p style="text-align: center;">Air Quality and Greenhouse Gas Emissions</p>	<p><i>No Change.</i> The activities that will occur within the approved Carrizo Gorge Construction Yard 2 and requested Carrizo Gorge Construction Yard 1 include the same type of uses discussed in the Final EIR/EIS for the staging and/or fly yards and 138 kV overhead transmission line ROW. The footprint of the requested Carrizo Gorge Construction Yard 1 will measure approximately 2.3 acres within and adjacent to the overhead 138 kV transmission line ROW, between SP 87 and SP 88. Approximately 2.3 acres of additional vegetation removal and grading will be required in this area to prepare the site for use during construction/fly yard activities. These site preparation activities are anticipated to take approximately one week to complete for Carrizo Gorge Construction Yard 1.</p> <p>The Air Quality section of the Final EIR/EIS states that the 138 kV transmission line component of the Project would generate elevated levels of dust and exhaust emission. However, the additional approximately 2.3 acres of clearing and minor grading that will be required for site preparation of Carrizo Gorge Construction Yard 1 will be short term and temporary in nature, and the uses during construction will be consistent with those described in the Final EIR/EIS for the Project staging/storage areas, fly yards, and 138 kV transmission line ROW.</p> <p>The Final EIR/EIS states that the Project will exceed the 100-pound-per-day PM<sub>10</sub> threshold by approximately six pounds per day during site development at the ECO Substation site, which will result in a Class I impact. Site preparation of the construction yards is anticipated to occur in a two-day period within the peak emissions period of site development at the ECO Substation site. Grading activities typically generate 10 pounds of PM<sub>10</sub> per acre disturbed; therefore, preparation of Carrizo Gorge Construction Yard 1 is anticipated to generate an additional 11.5 pounds of PM<sub>10</sub> during this two-day period. As a result, the Project's total PM<sub>10</sub> emissions are anticipated to increase from 106.86 pounds per day to approximately 118.36 pounds per day during the two-day period, resulting in an approximate temporary increase of 11 percent. Due to the localized nature of the PM<sub>10</sub> emissions, this increase will not substantially increase the severity of the previously identified significant impact to air quality. As described in the Final EIR/EIS, Project impacts will be well below the PM<sub>2.5</sub> threshold of 55 pounds per day; therefore, the additional PM<sub>2.5</sub> emissions associated with the grading of Carrizo Gorge Construction Yard 1 will not trigger an exceedance of this threshold.</p> <p>In addition, the Project-specific Dust Control Plan and mitigation measures related to limiting particulate matter and emissions will be implemented for these activities; thus, the total emissions for the requested refinements will be minimized. Construction of the temporary distribution tap will be temporary and short-term, lasting approximately one day. Additional equipment, such as an auger and rope puller, will be required to construct the temporary distribution tap. However, equipment will be utilized in accordance with the air quality impacts approved and analyzed for the temporary workspace for the overhead transmission alignment and/or Project staging areas and fly yards. Likewise, neither Carrizo Gorge Construction Yard 2 nor 1 will be located in closer proximity to any residences or sensitive receptors than what was described in the Final EIR/EIS. Further, the same 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 will be used at the proposed site; therefore, objectionable odors will not increase as a result of the refinement. The requested refinement will not result in a new, significant impact or in a substantial increase in the severity of a previously identified significant impact to air quality and greenhouse gas emissions.</p>

EIR/EIS Section	Summary of Potential Impacts
Biological Resources	<p><i>No Change.</i> The requested refinement areas were included in previous reconnaissance surveys, as well as vegetation, rare plant, and wildlife surveys that were conducted for the Project and were assessed for impacts in the Final EIR/EIS. No special-status wildlife species are known to occur or were identified during any of the previous surveys within the requested refinement areas. Rare plant surveys were conducted for the Project between 2009 and 2012. The results of these surveys are detailed in the 2009, 2010, 2011, and 2012 Rare Plant Survey Reports for the Project. Throughout the surveys, qualified botanists walked in 35- to 100-foot-wide transects to identify rare plant occurrences. Populations of rare plant species were tallied by counting individual plants and, in instances where plant population sizes were very large, by estimating population sizes. Estimates were taken by averaging the total number of plants in three randomly chosen square meter swaths, and then multiplying this number by the size of the area in which the population occurred. In addition, as shown in Attachment C: Site Map, no sensitive plant species were identified in the area of Carrizo Gorge construction yards 1 or 2 during any of the previous rare plant surveys. Attachment C: Site Map further depicts that the approved Carrizo Gorge Construction Yard 2 is located primarily within mixed desert scrub vegetation, whereas the requested Carrizo Gorge Construction Yard 1 is located primarily within shadscale scrub vegetation. A maximum of approximately 2.3 additional acres of shadscale scrub will be cleared from the Carrizo Gorge Construction Yard 1 site. Attachment B: Photographs provides photographs of the requested Carrizo Gorge Construction Yard 1 site.</p> <p>The construction yards will be used temporarily and will be restored to near pre-construction conditions following construction of the Project in accordance with the Project's Habitat Restoration Plan, which has been approved by the California Public Utilities Commission, California Department of Fish and Wildlife (CDFW), and Bureau of Land Management. Impacts to vegetation communities will only increase slightly compared to the Project as a whole as a result of the addition of Carrizo Gorge Construction Yard 1. As a result, no new significant impacts or a substantial increase in the severity of a previously identified significant impact will occur, and there will be no change in impacts to biological resources that would require additional mitigation.</p>
Cultural Resources	<p><i>No Change.</i> The activities that will be performed at Carrizo Gorge construction yards 1 and 2 will be conducted in accordance with the uses described in the Project's Final EIR/EIS for the staging and/or fly yards and the 138 kV overhead transmission line ROW. Approximately 2.3 acres of additional ground disturbance will be required to prepare the Carrizo Gorge Construction Yard 1 site. Carrizo Gorge Construction Yard 2 and the majority of Carrizo Gorge Construction Yard 1 were included in the survey area for archaeological materials during pre-construction and cultural resources inventory work for the 2010 Final Report, Prehistoric Artifact Scatters, Bedrock Milling Stations, and Tin Can Dumps: Results of a Cultural Resources Study for the SDG&amp;E East County Substation Project (Berryman and Whitaker, 2010). However, as the proposed Carrizo Gorge Construction Yard 1 extends approximately 0.5 acre beyond the footprint of the previously surveyed area, a supplemental archaeological resources survey of this area was conducted by ASM Affiliates, Inc. on January 14, 2013. The supplemental survey was conducted to identify any previously unknown cultural resources in the approximately 0.5-acre area of Carrizo Gorge Construction Yard 1 that had not been surveyed for the 2010 report.</p> <p>Field survey methods were conducted in accordance with the Management Plan for Archaeological Monitoring, Post-Review Discovery, and Unanticipated Effects, which was finalized in May 2012. Throughout the survey, five-meter transects were examined by two qualified archaeological monitors, and the yard area and surface artifacts identified were mapped and photographed. Four isolated resources were recorded on the surface during the supplemental survey. No eligible or potentially eligible cultural resources were identified in the vicinity of the Carrizo Gorge Construction Yard 1 site during the 2010 and</p>

EIR/EIS Section	Summary of Potential Impacts
	<p>2013 surveys, and the potential for buried resources at Carrizo Gorge Construction Yard 1 is considered moderate.</p> <p>As a result, the addition of the requested yard and clearing/leveling activities required at this site will not impact a National Register of Historic Places- or California Register of Historical Resources-eligible site. As stated in the Confidential Cultural Resources Analysis for the East County Substation Project: Minor Refinements #2 and #3 (Williams, 2013) letter report, which was submitted to the California Public Utilities Commission and Bureau of Land Management on April 8, 2013, the requested refinements associated with Carrizo Gorge construction yards 1 and 2 are not anticipated to result in any impacts to significant cultural resources or require any additional Environmentally Sensitive Areas to be established. In addition, an archaeological monitor will be present during ground-disturbing activities at the requested Carrizo Gorge Construction Yard 1 location due to the potential for buried deposits. Attachment C: Site Map depicts the requested refinement areas and notes that no eligible cultural resources are located within either of the construction yards.</p>
<p>Geology, Soils, and Seismicity</p>	<p><i>No Change.</i> The activities that will be performed at Carrizo Gorge construction yards 1 and 2 will be conducted in accordance with the uses described in the Project’s Final EIR/EIS for the staging and/or fly yards and the 138 kV overhead transmission line ROW. The temporary distribution tap location was included in the evaluation of geology, soils, and seismicity in the Project area as part of the Carrizo Gorge Construction Yard 2 site, and will not result in new impacts. Approximately 2.3 acres of additional ground disturbance will be required to prepare the Carrizo Gorge Construction Yard 1 site. Use of Carrizo Gorge construction yards 1 and 2 will be short term and temporary during construction of the Project, and will be conducted in accordance with the best management practices (BMPs) provided in the Linear Storm Water Pollution Prevention Plan (SWPPP) for the Project to reduce the potential for erosion. As a result, the requested refinement will not create any new significant impacts or a substantial increase in the severity of a previously identified significant impact to geology, soils, and seismicity.</p>
<p>Hazards and Hazardous Materials</p>	<p><i>No Change.</i> The activities performed and the materials used at Carrizo Gorge construction yards 1 and 2 will occur in accordance with the description of uses provided in the Project’s Final EIR/EIS for the staging and/or fly yards and the 138 kV overhead transmission line ROW. The temporary distribution tap will not create new significant hazards as the new steel poles will be installed within Carrizo Gorge Construction Yard 2. The Carrizo Gorge construction yards may include use of 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, as well as fuel for helicopters. The use of helicopter fuel was previously included in the Final EIR/EIS analysis for the approved yards; this and all other hazardous materials that will be used at the construction yards will be handled and disposed of in accordance with the Project’s Hazardous Materials and Waste Management Plan and with the Health and Safety Program. As a result, no new significant impacts or a substantial increase in the severity of a previously identified significant impact will occur, and there will be no change in impacts to hazards and hazardous materials.</p>
<p>Hydrology and Water Quality</p>	<p><i>No Change.</i> Carrizo Gorge construction yards 1 and 2 were surveyed for drainages during the initial jurisdictional surveys that were conducted for the 138 kV transmission alignment. Carrizo Gorge Construction Yard 1 was included in the drainage survey that was conducted for the Project between June 8, 2010 and June 15, 2010. Throughout the drainage survey, all intermittent and ephemeral desert washes within the survey area that exhibited a bed and bank, connected to traditional navigable waters, and exhibited ordinary high water mark were documented and mapped by qualified biologists. Data collected for</p>

EIR/EIS Section	Summary of Potential Impacts
	<p>each drainage feature was based on the 2007 Jurisdictional Determination Form Instructional Guidebook; the December 2, 2008 United States (U.S.) Army Corps of Engineers and U.S. Environmental Protection Agency Memorandum; and the 2008 Field Guide to the Identification of the Ordinary High Water Mark in the Arid West Region of the Western U.S. The results of this survey are detailed in the Preliminary Jurisdictional Determination Report for the Project, which was finalized in October 2011. Attachment C: Site Map further depicts the areas surveyed.</p> <p>None of the requested refinement areas contain any CDFW- or United States Army Corps of Engineers-jurisdictional waters, as shown in Attachment B: Photographs and Attachment C: Site Map. There is one drainage located adjacent to the southwestern boundary of Carrizo Gorge Construction Yard 1; however, the drainage is not located within the boundaries of the construction yard and will be avoided during construction activities. In addition, the Carrizo Gorge construction yards will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the staging and/or fly yards and the 138 kV overhead transmission line ROW. Likewise, the BMPs provided in the Linear SWPPP will be implemented to reduce the potential for storm water runoff. Thus, no change in impacts related to hydrology and water quality will result from the proposed refinements.</p>
Land Use and Planning	<p><i>No Change.</i> The landowners of the requested refinement area have been notified of the proposed uses and the appropriate rights to use the construction yards have been obtained. In addition, the requested refinement areas will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the staging areas and/or fly yards and the 138 kV overhead transmission line ROW. These areas will be used temporarily during construction of the 138 kV transmission line, and will then be returned to near pre-construction conditions. Thus, the requested refinements will not result in any change in impacts related to land use and planning.</p>
Mineral Resources	<p><i>No Change.</i> As provided in the Project's Final EIR/EIS, there are no identified mines located within the requested refinement areas. The ground-disturbing activities that will be conducted to prepare Carrizo Gorge Construction Yard 1 for use will require minor grading of the existing soil, and the construction yards will be returned to near pre-construction conditions following construction of the Project. In addition, Carrizo Gorge construction yards 1 and 2 will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the staging and/or fly yards and the 138 kV overhead transmission line ROW. As a result, there will be no change in impacts to mineral resources from use of the requested refinement areas.</p>
Noise	<p><i>No Change.</i> Carrizo Gorge construction yards 1 and 2 will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the staging and/or fly yards and the 138 kV overhead transmission line ROW. The temporary distribution tap at Carrizo Gorge Construction Yard 2 will require less than 0.01 acre of additional ground disturbance, which will result in additional noise impacts. However, construction of the temporary distribution tap will be temporary and short-term, lasting approximately one day, in areas already approved for disturbance. In addition, the impacts to noise will be similar to those analyzed for construction of the 138 kV transmission line. Additional noise-generating activities that will result from the refinements include the use of heavy equipment for vegetation clearing and minimal grading for a maximum of one week, which is required to prepare Carrizo Gorge Construction Yard 1 for use. Both Carrizo Gorge construction yards 1 and 2 will be recontoured to near pre-construction conditions following construction of the Project. The addition of approximately 2.3 acres of ground disturbance for development of Carrizo Gorge Construction Yard 1 will result in minimal</p>

EIR/EIS Section	Summary of Potential Impacts
	<p>and short-term additional noise impacts; however, the nearest sensitive receptors are located more than one mile from the site. The types of heavy equipment used during the ground-disturbing activities for site preparation at Carrizo Gorge Construction Yard 1 will be similar to those described in Noise section of the Final EIR/EIS. As provided in the Final EIR/EIS, the eight-hour construction noise level for the ECO Substation site is anticipated to be approximately 80 A-weighted Decibels (dBA) at a distance of 50 feet from the construction equipment. The nearest residence to Carrizo Gorge Construction Yard 1 is located more than one mile away, which would reduce the construction sound level below 40 dBA. These activities will be consistent with the San Diego County's Noise Ordinance which states that construction equipment may not be operated in a manner that causes the 8-hour average construction noise level to exceed 75 dBA when measured at the receiver's property line. In addition, the duration and amount of equipment used during site preparation of Carrizo Gorge Construction Yard 1 will be significantly less than that required at the ECO Substation site. Thus, there will be no new significant impacts or a substantial increase in the severity of a previously identified significant impact related to noise as a result of the requested refinements.</p>
<p>Population and Housing</p>	<p><i>No Change.</i> Carrizo Gorge construction yards 1 and 2 will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the staging and/or fly yards and the 138 kV overhead transmission line ROW. In addition, these areas will be used temporarily during construction of the Project and will not induce population growth or displace people or existing housing. Thus, there will be no change in impacts to population and housing as a result of the requested refinements.</p>
<p>Public Services</p>	<p><i>No Change.</i> Carrizo Gorge construction yards 1 and 2 will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the staging and/or fly yards and 138 kV overhead transmission line ROW. The refinements will not disrupt existing utility systems or cause a co-location accident, nor will they increase the need for public services/facilities, require additional water supplies, nor impact the wastewater treatment provider or solid waste disposal site's capacity. Therefore, there will be no change in impacts to public services as a result of the requested refinements.</p>
<p>Recreation</p>	<p><i>No Change.</i> Requested Carrizo Gorge Construction Yard 1 will be located within and immediately adjacent to the approved temporary workspace between SP 87 and SP 88. As provided in the Final EIR/EIS, the nearest recreation area to the Project is Jacumba Community Park, which is located approximately 1.25 miles southwest of the Carrizo Gorge Construction Yard 1 site. Carrizo Gorge construction yards 1 and 2 will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the staging and/or fly yards and the 138 kV overhead transmission line ROW. In addition, the refinements will not increase local population or housing and will not increase demand for recreational facilities. As a result, no new significant impacts or a substantial increase in the severity of a previously identified significant impact will occur and there will be no change in impacts to recreation.</p>
<p>Transportation and Traffic</p>	<p><i>No Change.</i> The location of the requested addition of Carrizo Gorge Construction Yard 1 will be within and immediately adjacent to the overhead 138 kV transmission line ROW, between SP 87 and SP 88. The requested Carrizo Gorge Construction Yard 1 will be accessed from existing access roads, as depicted in Attachment C: Site Map. While improvements to these existing roads are not necessary to allow for construction traffic to access the yards, as required by MM TRA-2, SDG&amp;E will maintain these roads throughout construction and make repairs, as necessary, for damage caused by construction vehicles traveling to and from the yards. All road maintenance will be performed within the existing road footprint. Additional construction vehicles or heavy equipment will be used</p>

EIR/EIS Section	Summary of Potential Impacts
	<p>for the addition of Carrizo Gorge Construction Yard 1 for vegetation clearing and the minimal grading activities required for preparation of the approximately 2.3-acre site. In addition, the general construction activities taking place at the yards will result in additional equipment and vehicles traveling to and from the yards. However, while the ground traffic at these yards will increase, the amount of overall traffic for the Project will not change from that described in the Final EIR/EIS. In addition, construction staging, storage, and/or helicopter activities will be more widely dispersed across the Project area as a result of the refinement since more yards will be used, and impacts to transportation and traffic will remain at a less-than-significant level as a result of the requested refinements. As a result, no new significant impacts or a substantial increase in the severity of a previously identified significant impact will occur, and there will be no change in impacts to transportation and traffic.</p>
<p>Utilities and Service Systems</p>	<p><i>No Change.</i> Carrizo Gorge Construction Yard 1 will be located within and immediately adjacent to the 138 kV transmission line. The construction yards will be utilized in accordance with the description of uses provided in the Project’s Final EIR/EIS for the staging and/or fly yards and the 138 kV overhead transmission line ROW. The temporary distribution tap installed at Carrizo Gorge Construction Yard 2 will supply power to the construction yard from an existing distribution line through a 12 kV distribution conductor during construction of the Project. The power needed to supply the construction yard through the temporary distribution tap will be temporary and short-term in nature; therefore, no permanent utilities or service systems will impacted or required to be constructed due to the presence of the distribution tap. Therefore, there will be no change in impacts to utilities and service systems as a result of the requested refinements.</p>



**ATTACHMENT B: PHOTOGRAPHS**



**ATTACHMENT B: PHOTOGRAPHS**



**Photograph 1:** View of the requested Carrizo Gorge Construction Yard 1 site, facing northwest



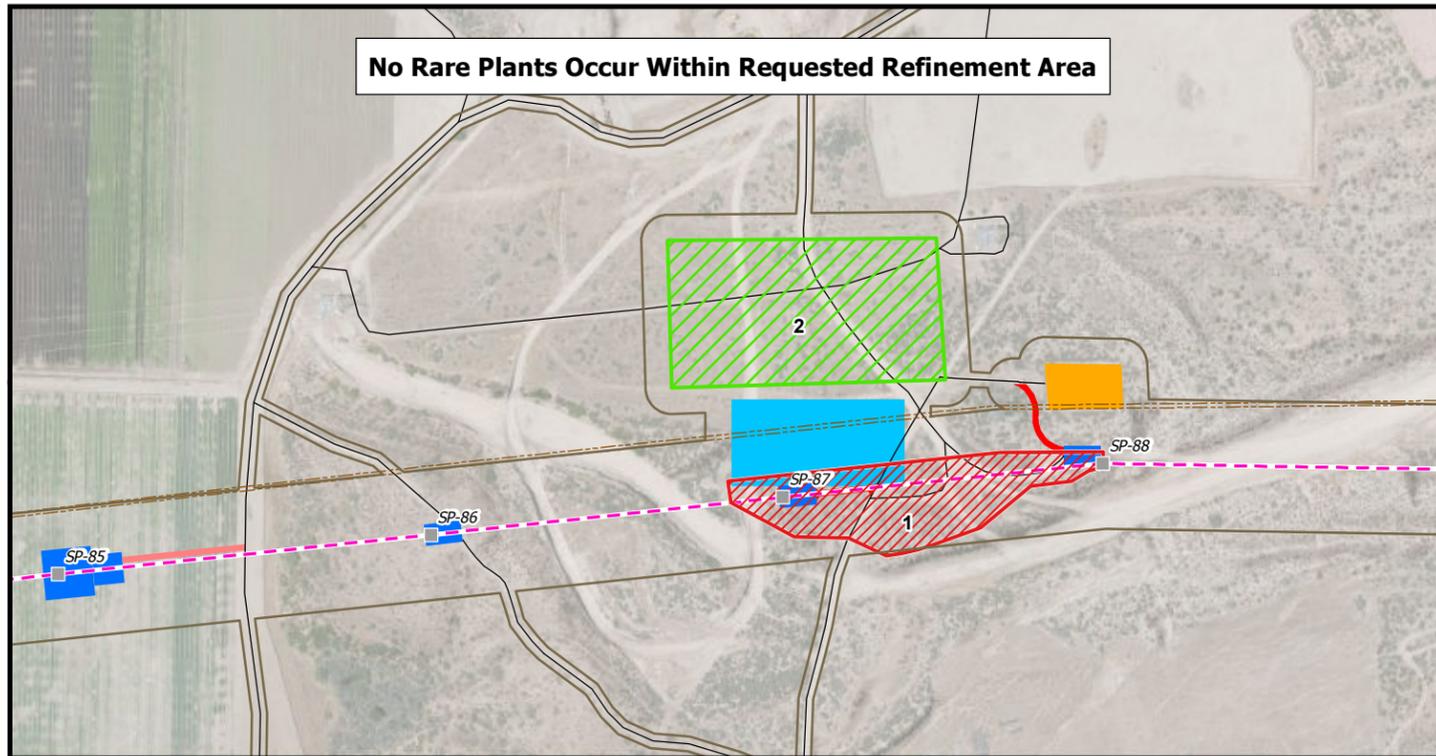
**Photograph 2:** View of the requested Carrizo Gorge Construction Yard 1 site, facing south



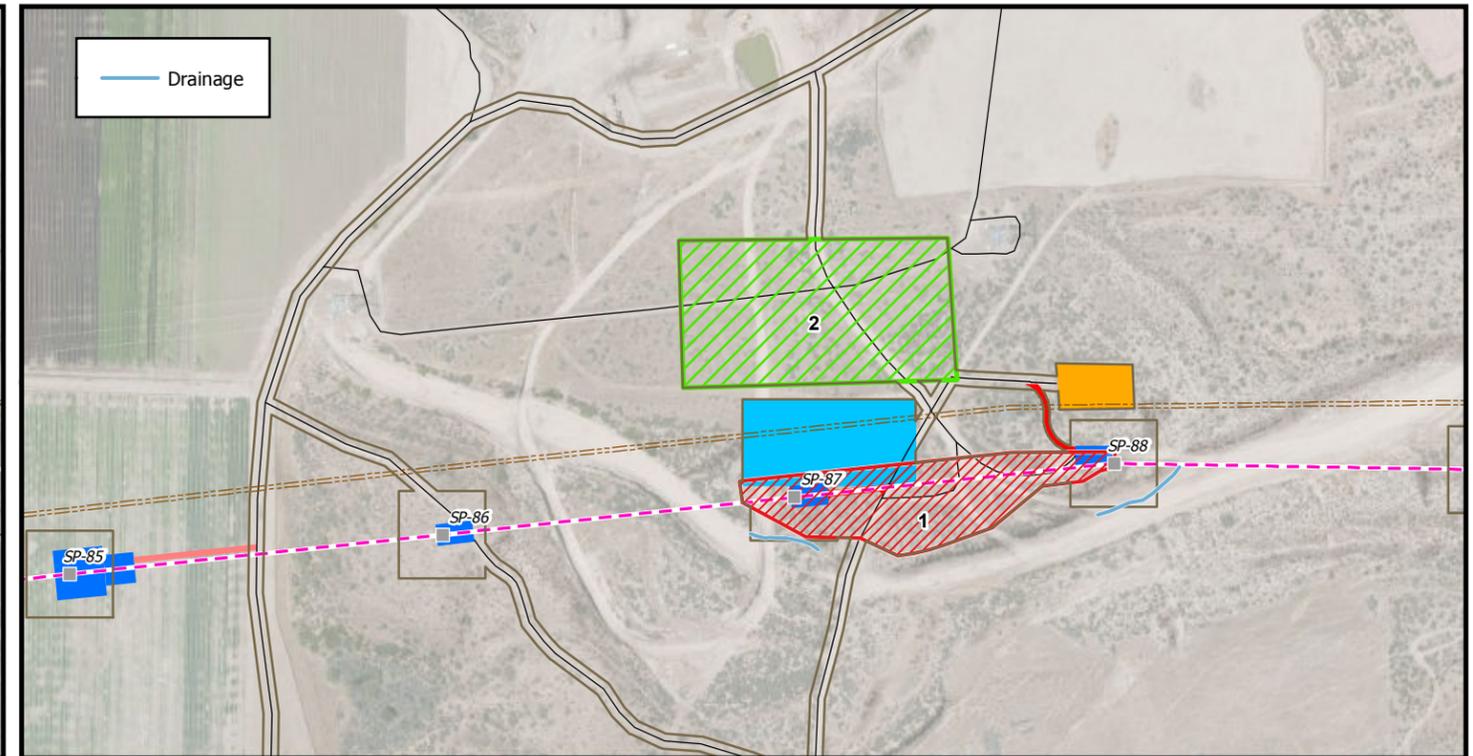
**ATTACHMENT C: SITE MAP**



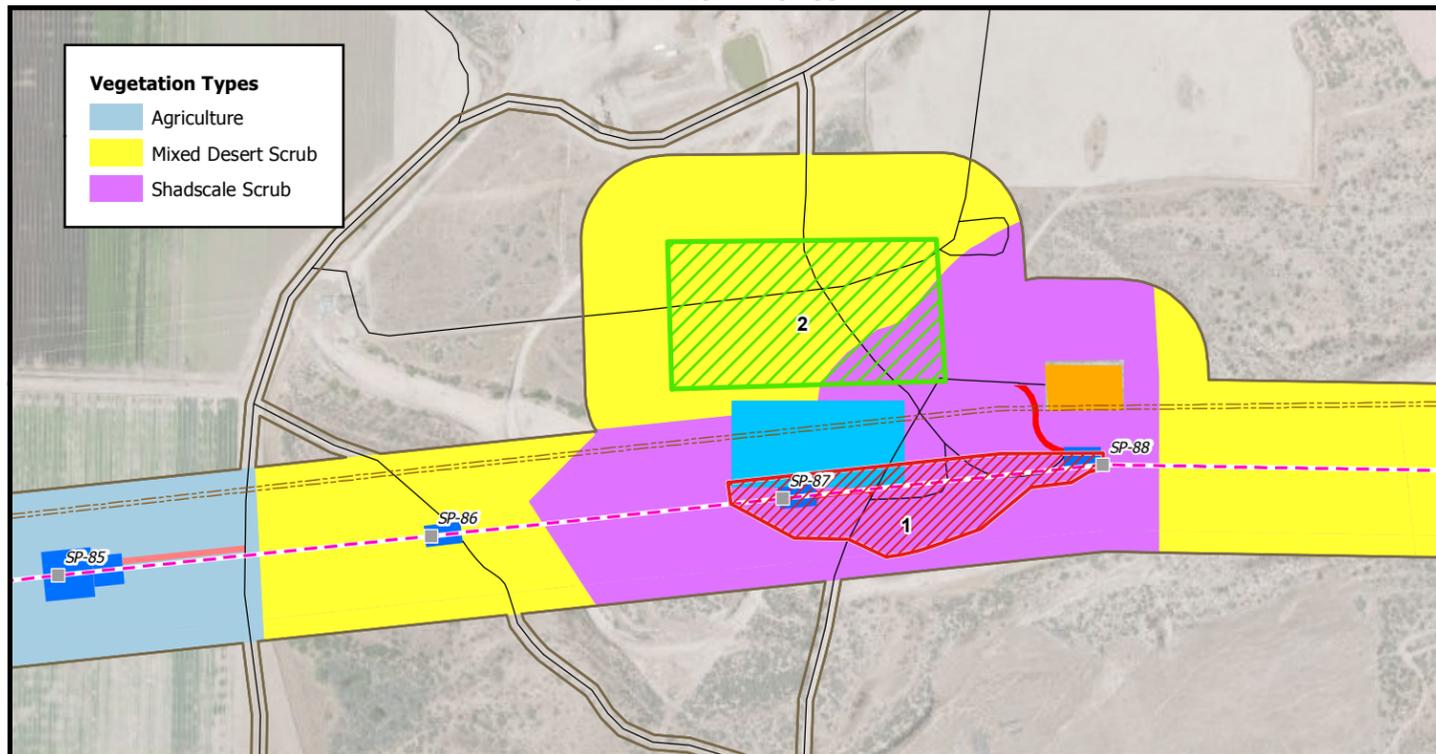
**RARE PLANT SURVEY**



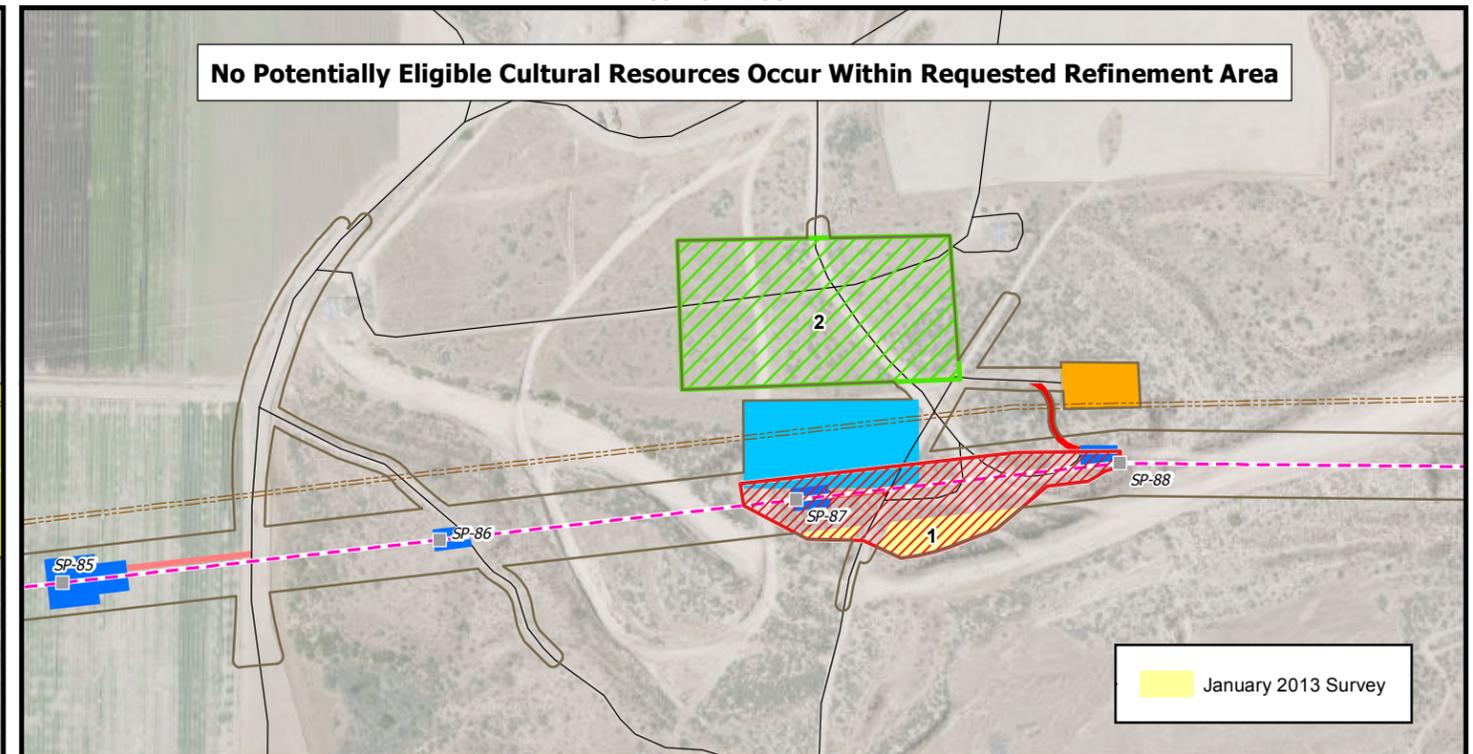
**DRAINAGE SURVEY**



**GENERAL VEGETATION SURVEY**



**CULTURAL SURVEY**



**Attachment C: Site Map**

**East County Substation Project**

- |                      |                            |                        |                                  |
|----------------------|----------------------------|------------------------|----------------------------------|
| Requested Refinement | Existing Transmission Line | Permanent Right-of-Way | Existing Access Road Centerline* |
| Approved Fly Yard    | Proposed 138 kV Overhead   | Proposed Access Road   |                                  |
| Survey Area          | Proposed 138 kV Pole       | Temporary Access Road  |                                  |
|                      |                            | Pole Work Area         |                                  |
|                      |                            | Pull Site/Vault Pad    |                                  |
|                      |                            | Staging Area           |                                  |



\*The existing roads depicted on these maps represent an approximation of the road center. All surveys were conducted using an appropriate buffer from the actual road shoulder.



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



**ATTACHMENT D: 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.

Resource	Study Area from Final EIR/EIS	Location in Final EIR/EIS
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