

Southern California Edison
Moorpark-Newbury A.13-10-021

DATA REQUEST SET A1310021 Moorpark-Newbury-CPUC-ED-01

To: ENERGY DIVISION
Prepared by: Jack Haggemiller
Title: Field Engineering Project Manager
Dated: 02/03/2014

Question PD-1:

Discuss and, if necessary, quantify any steps implemented by SCE that would reduce or eliminate the drop in voltage at the Newbury Substation in 2020 and beyond. What is the Newbury load power factor and have substation and/or distribution capacitors been installed to support voltage by minimizing volt-ampere reactive (var) flow on the 66kV system?

Response to Question PD-1:

SCE is proposing the new Moorpark-Newbury 66 kV Subtransmission Line Project (Proposed Project), which would construct a new 66 kV subtransmission line into Newbury Substation, and increase the number of source lines from two to three in order to correct both a forecasted N-1 voltage drop criteria violation in 2020 and beyond, and a forecasted basecase subtransmission line overload criteria violation in 2021 and beyond.

In terms of the 66 kV subtransmission system, voltage drop is the amount of decrease in voltage from the “sending” end of a line to the “receiving” end of a line. The magnitude of the voltage drop primarily depends on two factors: the amount of current on the line(s) and the impedance characteristics of the line(s). The proposed third 66 kV subtransmission line will reduce the amount of current on the other two 66 kV subtransmission lines because the total current delivered to Newbury Substation would be shared between three lines compared to only the existing two. Presently, during N-1 conditions, such as the outage of the Moorpark-Newbury-Pharmacy 66 kV Subtransmission Line, the power needs of Newbury Substation are served only by the Newbury-Thousand Oaks 66 kV Subtransmission Line. Without correction, beginning in 2020 during this N-1 condition, the forecasted voltage drop is projected to exceed the allowable 5% drop. With the Proposed Project in operation, under N-1 conditions where there is an outage to one of the three 66 kV subtransmission lines, the two lines remaining in-service would be sufficient to maintain the voltage drop at less than 5%. There are no other projects identified by SCE to correct this forecasted violation of having the voltage drop more than 5% during the loss of this line. In addition to correcting the voltage drop violation, the proposed Moorpark-Newbury 66 kV Subtransmission Line Project would also correct an additional forecasted base case 66 kV subtransmission line overload criteria violation by providing additional needed 66 kV subtransmission line capacity to Newbury Substation in 2021 and beyond as there would be three sources lines rather than only two.

Because the forecasted base case 66 kV subtransmission line overload violation is projected to occur in 2021, the year after the forecasted N-1 voltage drop violation is expected to occur, the Moorpark-Newbury 66 kV Subtransmission Line Project has been identified to correct both forecasted violations if constructed by 2020.

From an electrical engineering perspective, voltage drop will never be completely eliminated from the Newbury Substation 66 kV bus. However, voltage drop could be potentially reduced by taking steps such as installing additional 66 kV subtransmission lines, reconductoring existing 66 kV subtransmission lines where possible, installing substation capacitors, or installing generation at the Newbury Substation 66 kV bus. The power factor at Newbury Substation is constantly varying as individual customer loads change. However, for SCE system modeling purposes, SCE typically assumes that there is zero VAR flow through the distribution 66/16 kV transformers back onto the 66 kV subtransmission system. SCE has installed 14.4 MVAR of 66 kV capacitors, as well as 18 MVAR of 16 kV capacitors at Newbury Substation. In addition, SCE has installed numerous 16 kV field capacitors on the 16 kV distribution circuits emanating from Newbury Substation to provide VAR support as well as voltage support.

Southern California Edison
Moorpark-Newbury A.13-10-021

DATA REQUEST SET A1310021 Moorpark-Newbury-CPUC-ED-01

To: ENERGY DIVISION

Prepared by: Julie Gilbert and Amber Bruno

Title: Environmental Coordinator and Project Biologist

Dated: 02/03/2014

Question BIO-1:

BonTerra conducted focused surveys for Lyon's pentachaeta and Coneja dudleya. One report specifically clarifies that the survey results were for focused surveys and were not floristic. This means that these surveys were appropriate for complying with the Federal Endangered Species Act (FESA) and California Endangered Species Act (CESA), but are not sufficient under CEQA. The typical CEQA standard for rare plant surveys is to conduct floristic surveys according to CDFG's 2009 Protocols for Surveying and Evaluating Impacts to Special-Status Native Plant Populations and Natural Communities. In the PEA, SCE appears to be relying on focused surveys to state that there would have been no impacts on other plants, and would not be conducting additional surveys in the future. The focused surveys did pick up on other non-listed special-status plants, but we do not think the surveys can be relied on for CEQA. Please confirm whether any floristic surveys were conducted in accordance to CDFG's 2009 Protocols.

Response to Question BIO-1:

All surveys were floristic, and included special status focused surveys for Lyon's pentachaeta and Coneja dudleya. SCE is not aware of a report that was submitted that, as the question is posed, "specifically clarifies that the survey results were for focused surveys and were not floristic." PEA Appendix F contains a letter from SCE to Diane Noda of the U.S. Fish and Wildlife Service (USFWS). The context of the letter was to address compatibility between the federally-listed species and the Moorpark-Newbury 66 kV Subtransmission Line Project. Therefore, this letter dealt only with the species of concern to the USFWS. However, copies of the complete surveys were attached to this letter.

As provided in PEA Appendix F, the July 16, 2008 Bonterra report presents a "summary of recent (spring 2008) biological presence/absence surveys conducted for federally and state-listed Endangered Lyon's pentachaeta (*Pentachaeta lyonii*), federally listed Threatened Conejo dudleya (*Dudleya parva*), and other special status plant species, and federally listed Threatened coastal California gnatcatcher (*Polioptila californica californica*) along the Moorpark-Newbury Transmission Line project alignment in Ventura County, California." The plant survey area included a "minimum 30-foot buffer around each tower location, and the route between the main dirt access road and each tower." Therefore, this 2008 report was prepared prior to the CDFG's 2009 protocols, but utilized industry standards for conducting a thorough review for botanical resources.

The July 21, 2010 survey, also in PEA Appendix F, states that the survey method for “botanical surveys were floristic in nature and consistent with the current protocols created by the California Department of Fish and Game (CDFG 2009).” Additionally, the report states:

“A literature review was conducted to identify special status plants known from the survey area vicinity. This included a review of the USGS Newbury Park, Thousand Oaks, Moorpark, and Simi 7.5-minute quadrangles in the California Department of Fish and Game’s (CDFG’s) California Natural Diversity Database (CNDDDB) (CDFG 2010) and the California Native Plant Society’s (CNPS’) Electronic Inventory of Rare and Endangered Vascular Plants of California (CNPS 2010). Table 1 lists the special status plant species known to occur in the vicinity of the survey area. In addition, a review of current Critical Habitat documents indicates that a portion of the survey area (the southeastern end of Segment 2 and most of Segment 3—see Exhibit 3) overlaps with Critical Habitat (Montclef Ridge Unit 2a) for Lyon’s pentachaeta, as designated by the U.S. Fish and Wildlife Service (USFWS) (USFWS 2006).”

Special status natural communities are included in the CNDDDB search and were evaluated as required by CDFG protocols, as referenced on page 7 of the report (see CDFG, 2009, November 24, *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities*, Sacramento, CA). The July 21, 2010 report also includes a Plant Compendium as Attachment A, further validating that this survey was also complete and floristic in nature. Therefore, SCE also considers that this report is floristic in nature and is consistent with the CDFG’s 2009 protocols.

In addition, as part of the PEA preparation, GIS vegetation mapping was obtained from the County of Ventura. The information on the GIS layers were verified in the field for the project alignment. Therefore, SCE feels that potential impacts to natural communities have been adequately addressed in the PEA.

SCE believes that the surveys can be relied on for CEQA because a search and survey for species identified as a candidate, sensitive, or special-status special plants was conducted in both 2008 and 2010 in accordance with industry standard and CDFG protocols. Additionally, the information in the document relative to natural communities can be relied upon for CEQA because a search and survey for and riparian habitat, and other sensitive natural communities along the project alignment was also conducted, as addressed in the PEA.

Southern California Edison
Moorpark-Newbury A.13-10-021

DATA REQUEST SET A1310021 Moorpark-Newbury-CPUC-ED-01

To: ENERGY DIVISION
Prepared by: Christopher Doolittle
Title: Cultural Resource Specialist
Dated: 02/03/2014

Question CUL-1:

Please provide a copy of Native American contact letters and responses. Appendix C includes correspondence between the Native American Heritage Commission (NAHC) and SCE. A letter dated 11/20/12 from NAHC includes a list of Native American contacts and a template letter seeking input from those contacts. However, we did not note any correspondence between Native Americans and SCE.

Response to Question CUL-1:

PEA Section 4.5.2.2 identifies that SCE sent template letters to all NAHC recommended contacts on December 11, 2007. A representative sample of the 2007 letters is attached. As discussed in Section 4.5.2.2, the only response received was from Ms. A-lul'Koy Lotah. Attached also is a copy of her letter.

In 2012, SCE sent letters to 22 individuals/organizations as identified by the NAHC; one response has been received to date. Ms. Isabella Ayala, the Ventura County Regional Representative, Coastal Band of the Chumash Nation, requested via a phone conversation with SCE, that she be contacted if the Project will impact Native American cultural resources. A copy of the 2012 letter sent to the tribes was provided in the PEA.

Southern California Edison
Moorpark-Newbury A.13-10-021

DATA REQUEST SET A1310021 Moorpark-Newbury-CPUC-ED-01

To: ENERGY DIVISION
Prepared by: Christopher Doolittle
Title: Cultural Resource Specialist
Dated: 02/03/2014

Question CUL-2:

Please confirm that the stringing site located between TSPs 35 and 36 was included in the 2007 cultural resources study, or a subsequent study. It is not clear from the 2007 Compass Rose survey report that this area was surveyed.

Response to Question CUL-2:

The 2007 Compass Rose report does not identify that the stringing site located between TSP 35 and 36 was surveyed. This area is an existing disturbed area within the road network of the Conejo Open Space area. SCE is unaware of any subsequent studies that inventoried this stringing location. As referenced in the PEA Section 3.9.3, SCE will conduct an inventory of cultural resources in this area prior to future ground disturbing activities.

Southern California Edison
Moorpark-Newbury A.13-10-021

DATA REQUEST SET A1310021 Moorpark-Newbury-CPUC-ED-01

To: ENERGY DIVISION
Prepared by: Christopher Doolittle
Title: Cultural Resources Specialist
Dated: 02/03/2014

Question CUL-3:

Please confirm that all guard locations have been surveyed.

Response to Question CUL-3:

Guard locations were not surveyed in the 2007 report because guard locations had not yet been identified. However, several of the guard locations are situated within areas that were included in the 2007 survey. All occur in areas of previous disturbance, along roadsides or adjacent to railroad tracks. As referenced in the PEA Section 3.9.3, SCE will conduct an inventory of cultural resources for any area that was not included in the original survey prior to future ground disturbing activities.

Southern California Edison
Moorpark-Newbury A.13-10-021

DATA REQUEST SET A1310021 Moorpark-Newbury-CPUC-ED-01

To: ENERGY DIVISION
Prepared by: Christine McLeod
Title: Regulatory Principal Advisor
Dated: 02/03/2014

Question CUL-4:

Please provide the date of construction of the Newbury and Moorpark substations.

Response to Question CUL-4:

The Moorpark Substation was energized in January 1968 and the Newbury Substation was energized in July 1962.

Charles S. Parra
P.O. Box 6612
Oxnard
CA 93031

December 13, 2007

SUBJECT: Native American Consultation Regarding the Moorpark-Newbury 66kV New Source Line Project, Ventura County, California

Dear Mr. Parra:

Southern California Edison (SCE) proposes restructuring the Moorpark-Newbury-Pharmacy 66kV transmission line in the Santa Rosa Valley area of Ventura County, California. The project is described below. At the recommendation of the Native American Heritage Commission (NAHC), SCE requests your input regarding the identification of potential effects to cultural resources, sacred lands or other heritage sites within the project area.

A records search and survey of the project area has indicated that the proposed line that runs between Moorpark and Newbury substations, overlies three sparse lithic scatters (SCE MN-1, -2, and -3).

PROJECT DESCRIPTION:

As proposed, the new source line will follow an approximately 8.8 mile long path through parts of Townships 1 and 2 North (R19W and 20W), as depicted on the USGS 7.5' Moorpark and-Newbury Park quadrangles (Figures 1 through 3), and will consist of the following three sections:

Section 1 The first section will require the installation of 32 new engineered steel poles, the use of three proposed construction lay down areas, and the regrading of three existing access roads. This 5.15-mile long section closely parallels the southern and eastern side of the Ormond Beach-Moorpark 220 kV ROW, from the Moorpark Substation to a point adjacent to tower M16T5 on the Ormond Beach-Moorpark 1 & 2 220 kV transmission. The new poles in this section are to be installed adjacent to the existing towers, with the same approximate span lengths. The areas subjected to field investigation in this section encompassed the three proposed lay down areas, the three access roads in need of regrading, and an approximately 34-meter (100-foot) diameter expanse at each new pole location. At those locations within the confines of the Santa Rosa Valley, towers M18TI to M17T1, an approximately 34-meter (100-foot) wide corridor was examined due to a perceived increase in depositional sensitivity for both prehistoric and historical remains on the valley floor.

Section 2 For the second, section, which will extend southwest from tower M16T5 on the Ormond Beach-Moorpark 1 & 2 220 kV transmission lines, SCE proposes to replace or reengineer 14 double circuit 66kV steel lattice towers with engineered steel poles, and the use of a single construction lay down area. This section is 2.51 miles in length and follows the Moorpark-Newbury-Pharmacy 66 kV transmission line, from tower M2T3 to M0TI.

Section 3 In the third section, SCE proposes to replace 36 single circuit wood poles on the Moorpark-Newbury-Pharmacy 66 kV transmission line, with double circuit lightweight steel poles. This section of the new source line is 1.18 miles in length and extends south, then east, from tower M0TI to terminate at the Newbury Substation. All of the proposed new pole/pole replacement locations in this section and their immediate avenues of approach were examined.

For your benefit, I have enclosed maps that illustrate the project area.

We would appreciate any information you may have regarding Native American cultural resources located in or near the proposed project location that could be affected by the proposed restructuring. We will protect the confidentiality of information concerning the identity, location, character, and traditional use of cultural places identified during consultation.

We encourage you to participate in this process. The potential impacts that this project may have on cultural resources important to the Native American community cannot be evaluated unless we are aware the resource(s) exist. If possible, for project planning purposes we would like to receive a response from you about this project within the next two weeks. If we have not heard from you within 30 days of the receipt of this letter, we will assume that you do not wish to comment on this project.

If you have any questions, please feel free to call me at (626) 302-4893 or via e-mail at philippe.lapin@sce.com. Thank you for your assistance and participation in this project.

Sincerely,



Philippe Lapin MA, RPA
Edison International


Enclosure: as stated

Archaeologist
Southern California Edison
Corporate Environment, Health and Safety

**Southern California Edison
Moorpark-Newbury Park 66 kV
New Source Line Project**

Moorpark & Newbury Park
USGS Topographic Quadrangles

Legend

 Project Area

Issued For: Native American Heritage Commission

Prepared By: Koral Ahmet

Date: December 11, 2007

Project Number: 6042

Projection: NAD 83 UTM Zone 11

Index Map



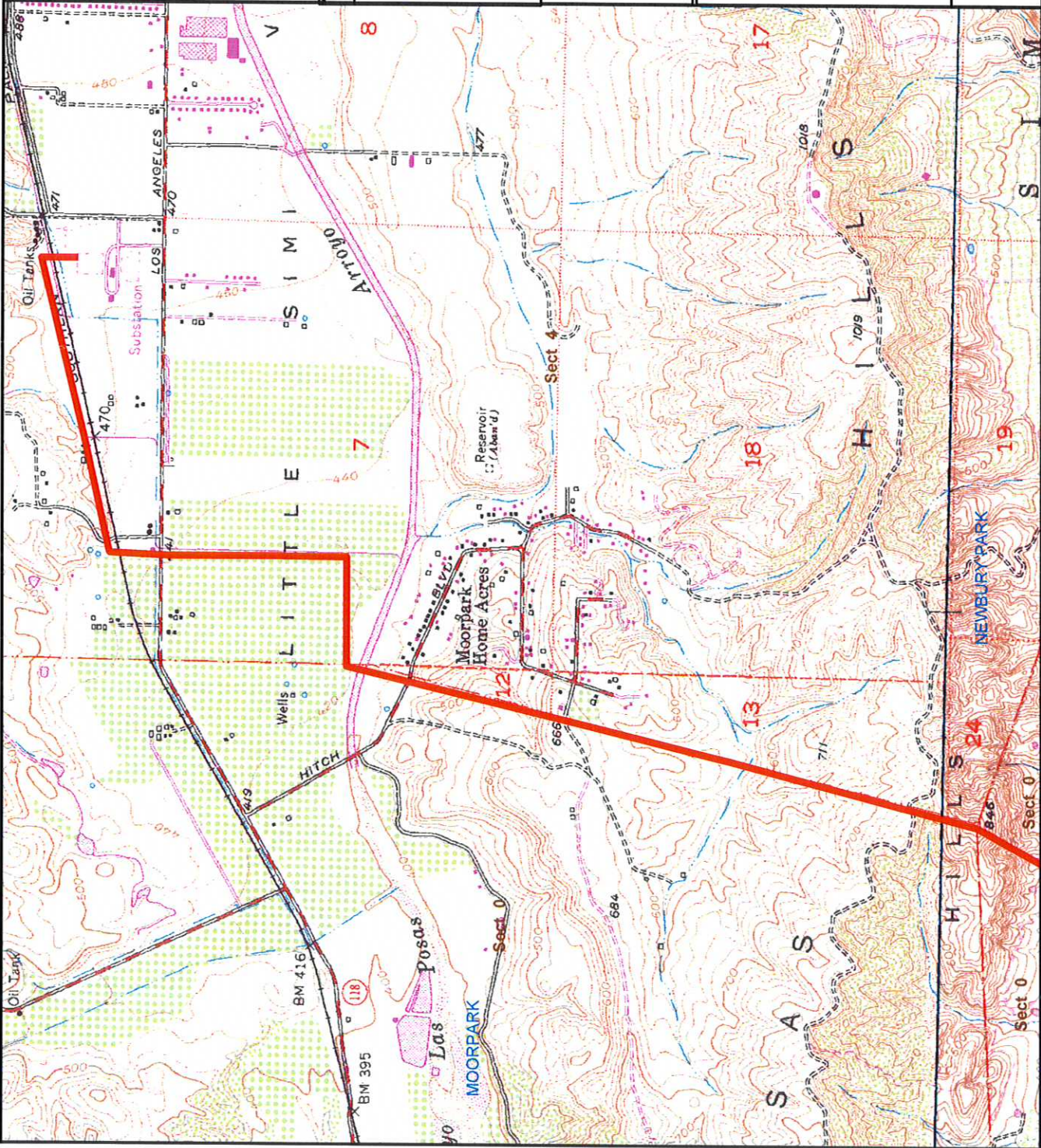
Project Location



Contains Transmission
Information, Distribution
Information, Location
of Conductors,
Poles, Towers,
Cross-arms,
Contains Critical Electric
Infrastructure Information
If any questions contact
Customer Service (714) 795-1111
for handling requirements.

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**Southern California Edison
Moorpark-Newbury Park 66 kV
New Source Line Project**

Moorpark & Newbury Park
USGS Topographic Quadrangles

Legend

 Project Area

Issued For: Native American Heritage Commission
Prepared By: Koral Ahmet
Date: December 11, 2007
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Index Map



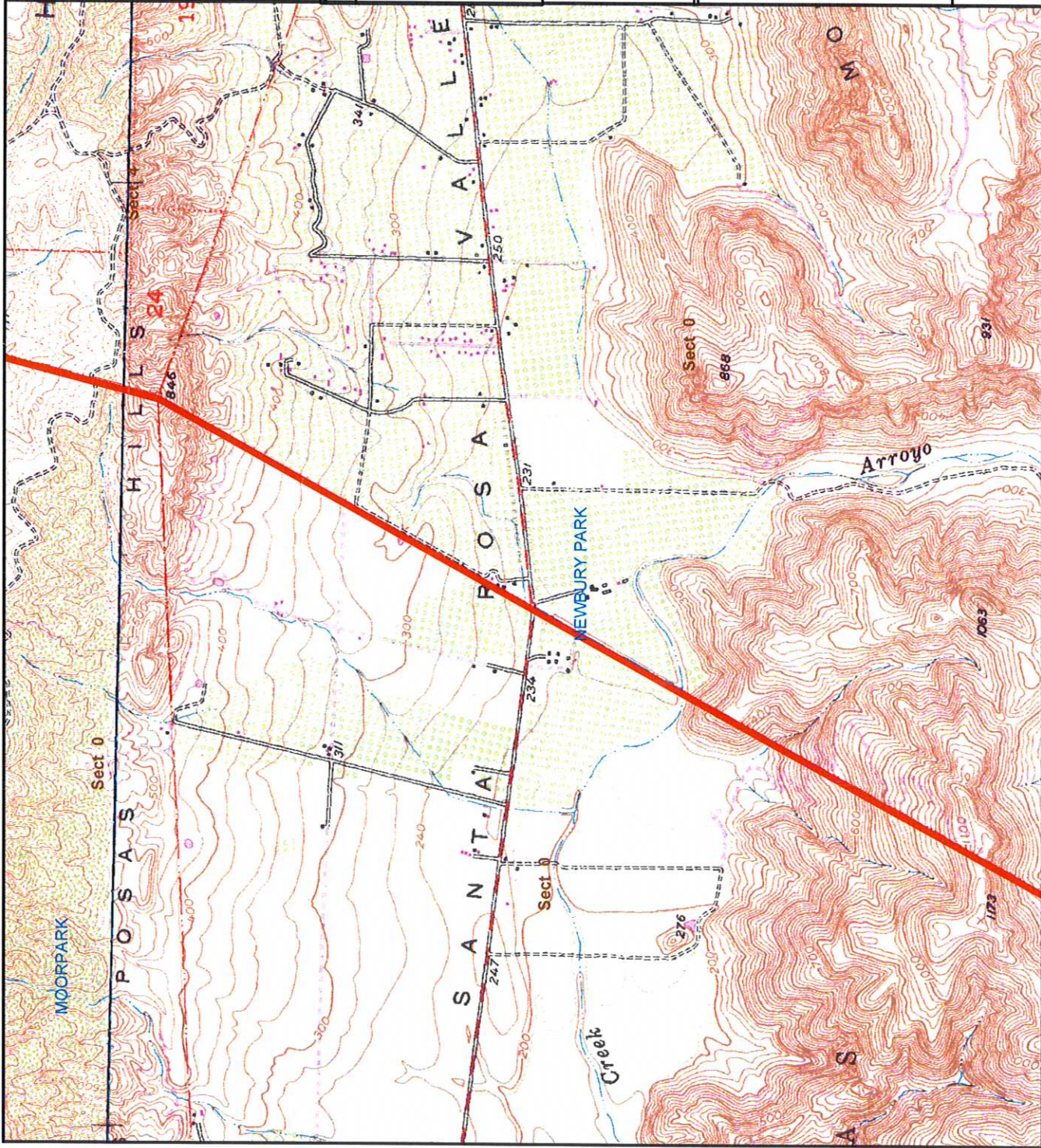
Project Location

Contains Transmission
Commission Distribution
Information limited to FERC Standards
of Conduct
Construction of Electric
Infrastructure Information
If any questions contact
Corporate Security (27075) for
handling storage requirements.



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**Southern California Edison
Moorpark-Newbury Park 66 kV
New Source Line Project**

Moorpark & Newbury Park
USGS Topographic Quadrangles

Legend

 Project Area

Issued For: Native American Heritage Commission

Prepared By: Koral Ahmet

Date: December 11, 2007

Project Number: 6042

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Index Map



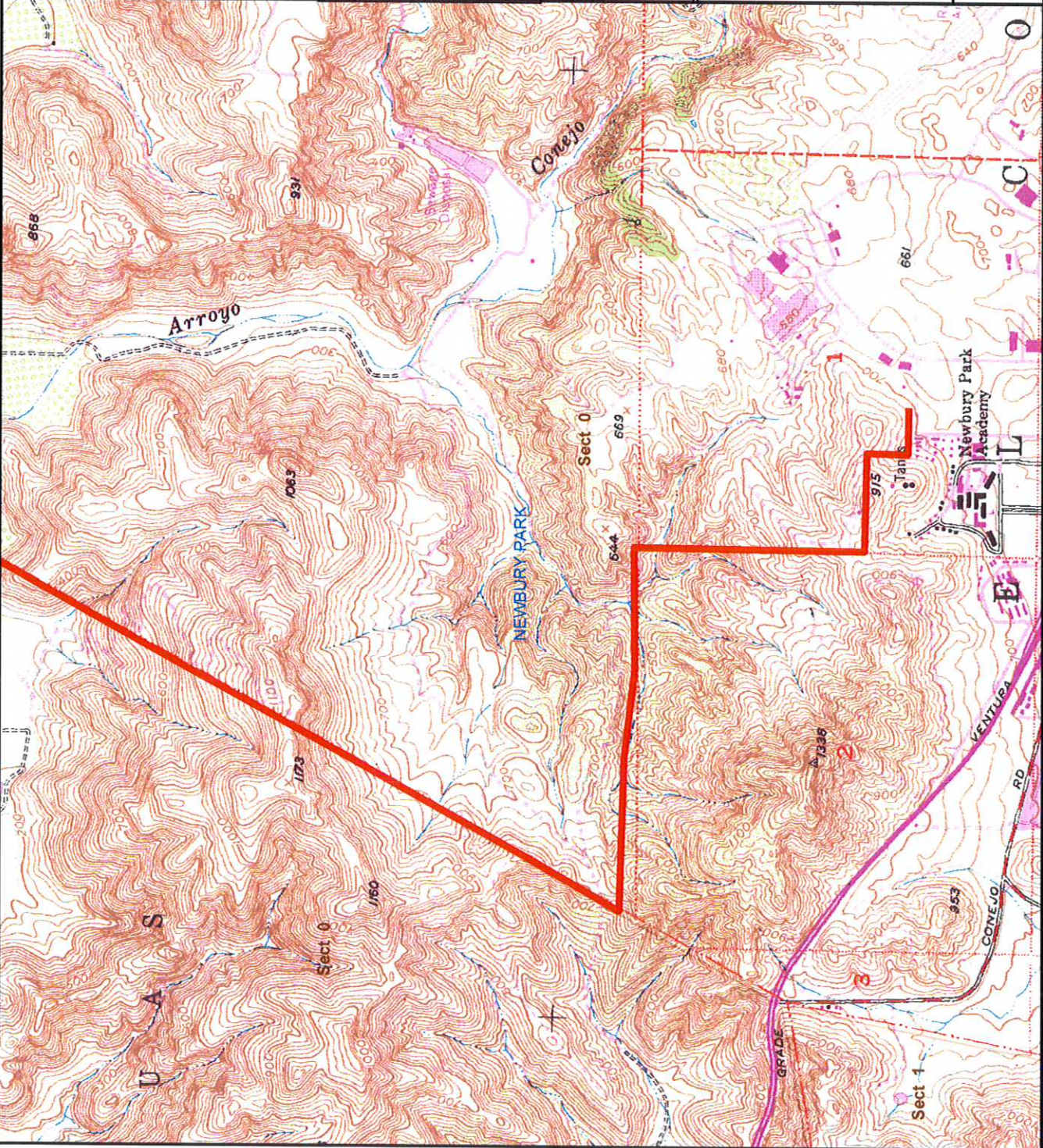
Project Location

Contains Transmission
Information Distribution
Information of Conduct
of Critical Electric
Infrastructure Information
If any questions contact
Corporate Security (2075) for
handling requirements.

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OWL CLAN CONSULTANTS



805-472-9536
MUPAKA@gmail.com

Philippe Lapin MA, RPA
Southern California
Edison International
626- 302-4892

December 27th 2007

Subject: Native American Consultation Regarding the Moorpark-Newbury-Pharmacy 66kV New Source Line project, Ventura County, California.

Dear Philippe Lapin,

This letter is in response to your letter from Dec. 13th 2007, regarding the proposed New Source Line project site.

Owl Clan Consultants is expressing concern for our Chumash Cultural sites, located in the New Source Line proposed project site and up to a 5mile radius around the proposed project areas.

Please inform us of any meetings that occur in which we can formally discuss our concerns, or if no meetings are scheduled we can arrange to meet as soon as possible.

Thank you for your cooperation,

A handwritten signature in cursive script. The name appears to be "Mrs. A-lul Key Lotak". The signature is written in dark ink and is positioned to the left of the printed name below it.

Owl Clan Consultants

Southern California Edison
Moorpark-Newbury A.13-10-021

DATA REQUEST SET A1310021 Moorpark-Newbury-CPUC-ED-01

To: ENERGY DIVISION
Prepared by: Jack Haggemiller
Title: Field Engineering Project Manager
Dated: 02/03/2014

Question GIS-1:

The Word document accompanying the GIS files (Moorpark-Newbury 66 kV Subtransmission Line Project GIS Data Users Guide) provides use limitations for all the GIS layers associated with the CPUC PEA submittal. However, all feature classes are classified as 'CONFIDENTIAL – Contains Critical Energy Infrastructure Information (CEII).' Since most of these feature classes appear in figures in the PEA, it would seem that not all of this information is actually confidential. Please let us know which specific layers are, in fact, confidential, and should not be shown in figures in the EIR.

Response to Question GIS-1:

After re-reviewing the above mentioned GIS files that SCE had previously submitted, the only individual layer that is considered CEII is the Vault Layer:

Feature Class: eng_SubTrans_Areas
Legend Feature Name: Vaults.

Although the location of the vaults themselves is not considered CEII, when overlaid on the Moorpark Substation Plot Plan, the layer is considered CEII. The Moorpark-Newbury 66 kV Subtransmission Line Project GIS Data User's Guide has been updated accordingly to remove CEII references from every other individual layer and the updated User's Guide is attached.

Please note that although some information is not segregated into a separate layer (i.e., substation layouts), that information which is included on the aerial base layer GIS data for the project as a whole is considered CEII and therefore confidential.

Southern California Edison
Moorpark-Newbury A.13-10-021

DATA REQUEST SET A1310021 Moorpark-Newbury-CPUC-ED-01


To: ENERGY DIVISION
Prepared by: Julie Gilbert
Title: Environmental Coordinator
Dated: 02/03/2014

Question GIS-2:

In SCE's response to CPUC Comments/Questions on the Administrative Draft PEA (comments 68 and 69), SCE states that it provided GIS data on wetland features, and special-status species. However, these data were not included in SCE's confidential zip file entitled Attachment F.

Response to Question GIS-2:

The GIS data on special-status species can be found on the GIS data group "Environmental" within the layer labeled "Critical Habitat." Vegetation types are provided in the data group "Environmental" within the layer titled "Vegetation Types." Section 4.4 of the PEA explains that there are no wetland features along the project alignment. Therefore, there is no specific information or layers regarding wetland features. Waters and watershed data can all be found in the data group "Environmental" within the layers labeled, "Watersheds and Floodplains" and "Watersheds". On November 22, 2013, a file entitled, "MNP_Preliminary_JD_20131122_CPUC_V1_MapPackage.mpk" was e-mailed from SCE to CMyers@esassoc.com, MFagundes@esassoc.com and michael.rosauer@cpuc.ca.gov. The file contains the GIS data layers entitled, "Federal Jurisdictional Waters" and "State Jurisdictional Waters (CDFW)." Those layers identify the extent of jurisdictional waters in the project area. We would be happy to resend this data set if you did not receive it. These layers can be added into the group titled "Environmental". SCE can add this layer to the "Environmental" group, and resend the entire GIS map package if needed.



**Moorpark-Newbury 66 kV Subtransmission
Line Project GIS Data Users Guide – REVISED
FEBRUARY 14, 2014**

Purpose

The purpose of the document is to provide a Schema Report to the GIS data associated with the CPUC PEA submittal for project *Moorpark-Newbury 66 kV Subtransmission Line Project*.

This document will clarify GIS data layers for the Proposed Project preliminary engineering including estimated locations of all physical components of the Proposed Project as well as those related to construction.

Overall Use Limitations

Features depicted herein are planning level accuracy, and intended for informational purposes only. Distances and locations may be distorted. Always consult with the proper legal documents or agencies regarding such features.

The locations of pole facilities and construction components (towers, poles, guard locations, etc.) represented by the GIS data provided may change based on any of the following: the completion of final engineering; updates and/or changes in project scope; changes to existing field conditions and/or the identification of yet unknown field conditions; the availability of material, and equipment; as well as other constraints caused by compliance with applicable environmental and/or permitting requirements. Final pole locations will also require staking and field verification. Additionally, as it relates to each of the project components, the project description utilizes conservative assumptions to describe the possible areas of surface disturbance during construction.

Feature Class: Construction Points

Legend Feature Name: Helicopter Landing Zones

Summary

Helicopter landing zones.

Description

Helicopter landing zones.

Credits

SCE GIS Capital Project Team

Use limitations

Feature Class: cvl_Mechanical_Stabilization_Point

Legend Feature Name: Retaining Wall Locations

Summary

Retaining wall location.

Description

Some road rehabilitation and work areas included construction of retaining walls to repair and stabilize slopes to prevent possible future failures.

Credits

SCE Transmission Power Delivery

Use limitations

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Feature Class: es_Bio_Site_Point

Legend Feature Name: Noise Measurement Location

Summary

Delineate point locations of general biology data

Description

Delineate point locations of general biology data

Credits

There are no credits for this item.

Use limitations

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Feature Class: eng_FAA_Markerball_Span_Line

Legend Feature Name: FAA Markerball Spans

Summary

Potential aviation marker balls on the catenary spans.

Description

Potential aviation marker balls on the catenary spans. Circle symbology does not represent actual spacing or number of marker balls to be installed.

Credits

SCE Engineering

Use limitations

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Feature Class: eng_FRC_line

Legend Feature Name: Proposed Fault Return Conductor

Summary

The feature class contains the location of the Fault Return Conductor.

Description

The feature class contains the location of the Fault Return Conductor.

Credits

SCE Transmission Design

Use limitations

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Feature Class: eng_SubTrans_Areas

Legend Feature Name: Vaults

Summary

Underground infrastructure for the Moorpark-Newbury 66kV Subtransmission Line Project.

Description

Underground infrastructure for the Moorpark-Newbury 66kV Subtransmission Line Project.

Credits

SCE Transmission Design

Use limitations

CONFIDENTIAL - Contains Critical Energy Infrastructure Information (CEII)

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Feature Class: const_CMY_Area

Legend Feature Name: Staging Yards/Laydown Areas

Summary

Contractor Yard, Material Yard, Laydown Yard for the project.

Description

The staging area may be used as a reporting location for workers and as a parking area for vehicles and equipment. Construction laydown areas serve as temporary areas where project-related equipment and/or materials are placed.

Credits

There are no credits for this item.

Use limitations

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For staging areas, the actual staging area may shift within these specified boundaries.

Feature Class: cvl_rds_AccessRoads_Line

Legend Feature Name: Existing Access Road Lines

Summary

Contains the lines for Existing Access Road Centerline.

Description

Subtransmission line roads are classified into two groups: access roads and spur roads. Access roads are through roads that run between structure sites along a ROW and serve as the main transportation route along the ROW. Spur roads branch from access roads and terminate at one or more structure sites. Access roads are accessed from paved public and private roads. Within the orchard areas, some trees were, and will be, trimmed to accommodate large construction equipment, as necessary.

Credits

SCE Transmission Power Delivery

Use limitations

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Feature Class: cvl_rds_AccessRoads_Area

Legend Feature Name: Rehabilitation/New Access Road Areas

Summary

Areas of existing access roads and spur roads that were rehabilitated and construction of an approximately 100 ft. long spur road.

Description

To facilitate construction, some existing access roads and spur roads were rehabilitated as shown, to facilitate the safe movement of construction vehicles and personnel.

Credits

SCE Transmission Power Delivery

Use limitations

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Feature Class: cvl_Drainage_Control_Area

Legend Feature Name: Existing Drainage Control Structures

Summary

This feature class contains the some of the erosion control elements of the project.

Description

This feature class contains the some of the erosion control elements of the project.

Credits

SCE Transmission Power Delivery

Use limitations

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Feature Class: eng_Substation_Line

Legend Feature Name: Existing Substation Fence Line

Summary

Existing Substation fence

Description

Existing Substation fence

Credits

There are no credits for this item.

Use limitations

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Feature Class: eng_Substation_Area

Legend Feature Name: Existing Substation Boundary

Summary

Existing Substation boundary

Description

Existing Substation boundary

Credits

There are no credits for this item.

Use limitations

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Feature Class: envt_Tree_Maintenance_Polygon

Legend Feature Name: Tree Removed/Trimmed Areas

Summary

Tree trimming and/or removal for past and future activities.

Description

To facilitate safe construction, some trees were trimmed or removed for vehicle access and equipment placement. Additionally, to maintain proper clearances under GO 95 (Rule 35), trees were either removed or trimmed, depending on the type and height, and in consultation with the project arborist and/or biologist with regard to permits and monitoring. For future construction, some trees will be removed or trimmed using the same guidelines as the past activities.

Credits

SCE Biologists and Arborists

Use limitations

Features depicted herein are planning level accuracy, and intended for informational purposes only. Distances and locations may be distorted at this scale. Always consult with the proper legal documents or agencies regarding such features. © Real Properties Department, GIS Mapping.

Vegetation removal (e.g., brush removal, native tree removal, orchard tree removal, and tree trimming) may have occurred in, on, or adjacent to all areas identified in the GIS data package as: Existing Access Road Lines; Rehabilitation Existing Access Road Areas; Construction Areas; and Existing Drainage Control Structures.

Feature Class: eng_SubTrans_Points

Legend Feature Name: Proposed Subtransmission 66kV Structures

Summary

Contains the existing and proposed structures associated with the Moorpark-Newbury 66kV Subtransmission Line Project.

Description

Contains the existing and proposed structures associated with the Moorpark-Newbury 66kV Subtransmission Line Project.

Credits

SCE Transmission Design

Use limitations

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The locations of pole facilities and components (towers, poles, guard locations, etc.) represented by the GIS data provided may change based on any of the following: the completion of final engineering; updates and/or changes in project scope; changes to existing field conditions and/or the identification of yet unknown field conditions; the availability of material, and equipment; as well as other constraints caused by compliance with applicable environmental and/or permitting requirements. Final pole locations will also require staking and field verification. Additionally, as it relates to each of the project components, the project description utilizes conservative assumptions to describe the possible areas of surface disturbance during construction.

Feature Class: eng_SubTrans_Lines

Legend Feature Name: Proposed Moorpark-Newbury 66kV Lines

Summary

Contains the Proposed and Existing SCE subtransmission infrastructure locations in the project vicinity.

Description

Contains the Proposed and Existing SCE subtransmission infrastructure locations in the project vicinity.

Credits

SCE Transmission Design

Use limitations

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Feature Class: eng_SubTrans_Lines

Legend Feature Name: Existing Subtransmission 66kV Lines

Summary

Contains the Proposed and Existing SCE subtransmission infrastructure locations in the project vicinity.

Description

Contains the Proposed and Existing SCE subtransmission infrastructure locations in the project vicinity.

Credits

SCE Transmission Design

Use limitations

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Feature Class: eng_StructuresExisting_Point

Legend Feature Name: Existing Moorpark-Ormond Beach No.1-4 220 kV Structures

Summary

Contains the Existing Moorpark-Ormond Beach No.1-4 220kV tower locations in the project vicinity.

Description

There is no description for this item.

Credits

Derived from LIDAR Surveys

Use limitations

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Feature Class: eng_TransLine_Exist_Lidar

Legend Feature Name: Existing Moorpark-Ormond Beach No.1-4 220 kV Lines

Summary

Contains the Existing Moorpark-Ormond Beach No.1-4 220kV line locations in the project vicinity.

Description

There is no description for this item.

Credits

Derived from LIDAR Surveys

Use limitations

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Feature Class: const_Construction_Area

Legend Feature Name: Construction Areas

Summary

Contains the locations of areas that support construction activities for the Moorpark-Newbury 66 kV Subtransmission Project.

Description

The Project may require the establishment or reestablishment of several different types of work areas:

Construction Work Site: Sites established at each pole location. A construction work sites generally includes, but is not limited to, sites for the staging, assembly and erection of the TSPs or LWS poles, and sites for equipment pads. Construction work sites include those sites that were mechanically disturbed (e.g., bladed or graded) during past construction activities. In most cases access and spur roads may overlap with the construction work site. For the purpose of the land disturbance calculations in the PEA, only the new areas that were bladed or graded for the purpose of establishing new construction sites, or existing disturbed areas that required rehabilitation to support construction, and were calculated toward land disturbance and are represented by this polygon symbology; the existing disturbed/cleared areas that are typically used for maintenance of existing structures that did not need rehabilitation to support construction, were not calculated toward land disturbance; however, these existing disturbed sites may be used during construction for laydown areas and are not generally identified by separate GIS symbology. Additionally, during construction, personnel may walk in areas outside of construction work sites after such areas have been surveyed as described in the PEA; similarly, equipment may extend in the air beyond anticipated boundaries without additional ground disturbance (such as in the case of a crane boom or arm).

Guard Locations: To ensure the safety of workers and the public, safety devices such as traveling grounds, guard structures or specifically-equipped boom trucks, and personnel would be in place prior to the initiation of wire stringing activities. In some cases, the wood poles could be substituted with the use of specifically-equipped boom trucks which would not require land disturbance. Additionally, during construction, personnel may walk in areas outside of construction work sites after such areas have been surveyed as described in the PEA; similarly, equipment may extend in the air beyond anticipated boundaries without additional ground disturbance (such as in the case of a crane boom or arm).

Stringing Sites: The stringing sites require relatively level areas to allow for maneuvering and setup of the equipment and, when possible, these sites would be located on existing roads and relatively level areas to minimize the need for grading and cleanup. Additionally, during construction, personnel may walk in areas outside of construction work sites after such areas have been surveyed as described in the PEA; similarly, equipment may extend in the air beyond anticipated boundaries without additional ground disturbance (such as in the case of a crane boom or arm).

Credits

SCE Transmission Power Delivery

Use limitations

Features depicted herein are planning level accuracy, and intended for informational purposes only. Distances and locations may be distorted at this scale. Always consult with the proper legal documents or agencies regarding such features. © Real Properties Department, GIS Mapping.

The locations of pole facilities and components (towers, poles, guard locations, etc.) represented by the GIS data provided may change based on any of the following: the completion of final engineering; updates and/or changes in project scope; changes to existing field conditions and/or the identification of yet unknown field conditions; the availability of material, and equipment; as well as other constraints caused by compliance with applicable environmental and/or permitting requirements. Final pole locations will also require staking and field verification. Additionally, as it relates to each of the project components, the project description utilizes conservative assumptions to describe the possible areas of surface disturbance during construction.

The stringing locations and/or construction work sites are provided with the understanding that these areas within or adjacent to the ROW are inclusive of all areas that would potentially be accessed by vehicles and equipment.

Feature Class: rp_ROW

Legend Feature Name: SCE Property Rights

Summary

Contains the data set for Right of Way (ROW). This is an estimate of the ROW and is not intended for legal use.

Description

Contains the data set for Right of Way (ROW). This is an estimate of the ROW and is not intended for legal use.

Credits

Operations Support Real Properties GIS/Mapping.

Use limitations

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Feature Class: rp_Ownership_Listing

Legend Feature Name: 300ft. Ownership Listing

Summary

Parcel ownership within 300 feet from the edge of the SCE Right of Way.

Description

This layer may be used to generate a mailing list for project notifications.

Credits

SCE Real Properties

Use limitations

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