

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

In the Matter of the Application of SOUTHERN)
CALIFORNIA EDISON COMPANY (U 338-E))
for a Permit to Construct Electrical Facilities)
With Voltages Between 50 kV and 200 kV:)
Valley South 115kV Subtransmission Project)

**APPLICATION OF SOUTHERN CALIFORNIA EDISON COMPANY (U-338-E)
FOR A PERMIT TO CONSTRUCT ELECTRICAL FACILITIES WITH
VOLTAGES BETWEEN 50 kV AND 200 kV: VALLEY SOUTH 115 kV
SUBTRANSMISSION PROJECT**

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TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
I.	INTRODUCTION	1
II.	BACKGROUND AND SUMMARY OF REQUEST	2
III.	STATUTORY AND PROCEDURAL REQUIREMENTS.....	5
A.	Applicant.....	5
B.	Articles of Incorporation.....	6
C.	Balance Sheet and Statement of Income.....	6
D.	Description of Southern California Edison Company	7
E.	Service Territory.....	7
F.	Location Of Items Required In A Permit To Construct Pursuant To G.O. 131-D, Section IX.B	8
G.	Compliance With G.O. 131-D, Section X	13
H.	Compliance With Rule 2.1(c).....	13
I.	Statutory Authority	14
J.	Public Notice.....	14
K.	Supporting Appendices And Attachment	14
L.	Compliance With Rule 2.5.....	15
M.	Request For Ex Parte Relief.....	15
N.	Request For Timely Relief.....	15
IV.	CONCLUSION.....	16

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TABLE OF CONTENTS (CONTINUED)

Section	Page
<u>APPENDIX A</u> : Balance Sheet and Statement of Income as of September 30, 2014	
<u>APPENDIX B</u> : List of Counties and Municipalities Served by SCE	
<u>APPENDIX C</u> : Valley South 115 kV Subtransmission Project Schedule	
<u>APPENDIX D</u> : Notice of Application for a Permit to Construct	
<u>APPENDIX E</u> : Certificate of Service of Notice of Application for a Permit to Construct	
<u>APPENDIX F</u> : Field Management Plan	
<u>Attachment</u> : Proponent's Environmental Assessment	

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I.

INTRODUCTION

Pursuant to California Public Utilities Commission (Commission or CPUC), General Order 131-D (G.O. 131-D), Southern California Edison Company (SCE) respectfully submits this application (Application) for a permit to construct (PTC) authorizing SCE to construct the proposed project known as the Valley South 115 kV Subtransmission Project (Proposed Project). The Proposed Project consists of: (1) modifying SCE's existing Valley 500/115 kV Substation, which includes equipping an existing 115 kV line position and providing protection equipment as required; (2) constructing a new 115 kV subtransmission line approximately 12 miles in length, originating at SCE's existing Valley 500/115 kV Substation and terminating at a tubular steel pole (TSP); (3) replacing approximately 3.4 miles of existing conductor from the preceding

TSP to an existing TSP; (4) relocating existing distribution and telecommunication lines to support the installation of the new 115 kV subtransmission line; and (5) installing telecommunications facilities to connect the Proposed Project to SCE's existing telecommunication system.

II.

BACKGROUND AND SUMMARY OF REQUEST

The purpose of this Proposed Project is to ensure the availability of safe and reliable electrical service and to provide additional capacity to serve existing and long-term forecasted electrical demand requirements in the southwestern Riverside County area, while also maintaining or improving system reliability and providing greater operational flexibility. The area includes the cities of Menifee, Murrieta, Temecula, and portions of unincorporated communities of southwestern Riverside County (Electrical Needs Area or ENA). The Proposed Project would be located within the ENA. Additionally, SCE may utilize an existing material staging yard in the City of Perris.

The Valley South 115 kV Subtransmission System is a network of 115 kV power lines that provide electrical service to the distribution substations located within the ENA. The amount of electrical power that can be delivered to the ENA is limited to the maximum amount of electrical demand that the Valley-Sun City, Valley-Auld, and Valley-Auld-Triton 115 kV Subtransmission Lines can provide before any individual subtransmission line's maximum operating capacity limit is exceeded. Each of the 115 kV subtransmission lines providing service to the ENA has operating limits of 218 mega volt-amperes (MVA) under normal system conditions and 294 MVA under abnormal system conditions.

The Proposed Project is needed in 2016. In 2016, under peak electrical demand conditions and abnormal system conditions (e.g., an outage to either of the Valley-Auld or Valley-Sun City 115 kV Subtransmission Lines) the Valley-Auld or Valley-Sun City 115 kV Subtransmission Line is projected to exceed its maximum operating limit. In addition to the abnormal condition overloads identified above, if the Proposed Project is not constructed, then under peak electrical demand conditions and a normal system configuration, the maximum operating limit of the Valley-Sun City 115 kV Subtransmission Line is projected to be exceeded beginning in 2018. However, due to an assumed 26-month CPUC regulatory review and a 16-month anticipated construction schedule, the Proposed Project is not expected to be operational until 2020.

Since the Proposed Project is not anticipated to be operational by 2016, a mitigation plan would be required in order to minimize the amount of electrical demand at risk. This mitigation plan would be to temporarily implement a system operating procedure that would manually open a circuit breaker at the terminal of another line within the Valley South 115 kV System. This would be considered a temporary abnormal condition (two 115 kV subtransmission system elements out-of-service) and would result in a redirection of power flow. This would reduce the amount of power delivered by the 115 kV subtransmission lines that would otherwise be overloaded and all 115 kV subtransmission lines would stay within operating limits.

The mitigation plan would only be utilized as needed because while it addresses the immediate need of preventing an overload or reducing electrical demand at risk, it results in a system that would temporarily have two of its 115 kV subtransmission lines out of service (one unplanned and one intentionally). The mitigation plan would eliminate the electrical demand at risk in 2016, however, it only reduces (and does not eliminate) the electrical demand at risk in

2017, 2018, and 2019. The permanent solution that addresses both the abnormal and normal system condition overloads is the construction of the Proposed Project, which results in the formation of the Valley-Auld No. 2 and Valley-Triton 115 kV Subtransmission Lines.

In addition to the benefits of increased capacity to serve existing and long-term projected electrical demand in the ENA, the Proposed Project also serves to maintain or improve system reliability and operational flexibility. Currently the electrical needs of the ENA are primarily served by three 115 kV subtransmission lines (Valley-Sun City, Valley-Auld, and Valley-Auld-Triton 115 kV Subtransmission Lines). The new subtransmission line would provide increased system reliability under both planned and unplanned line outages. System operators would have increased operational flexibility allowing additional opportunities to coordinate planned outages and to restore electrical service during unplanned outages. The additional 115 kV subtransmission line would also provide increased voltage support to the system within the ENA.

The estimated cost of the Proposed Project is approximately \$50.2 million in 2014 constant dollars.¹ A Proponent's Environmental Assessment (PEA) prepared for the Proposed Project is attached to this Application. The PEA will be referenced in this Application, where appropriate, as the source of information required in an Application for a PTC² pursuant to G.O. 131-D, Section IX.B. A complete project description is located in Chapter 3 of the PEA. A summary of the Proposed Project's purpose, need, and objectives is located in Chapter 2 of the PEA.

¹ This is a conceptual estimate, prepared in advance of final engineering and prior to CPUC approval. Pension and benefits, administrative and general expenses, and allowance for funds during construction are not included in this estimate.

² Other required information for a PTC application (*e.g.* Balance Sheet, Articles of Incorporation, *etc.*) is contained in this Application or its appendices.

Construction of the Proposed Project is scheduled to begin in August 2018 and to be completed by January 2020. A schedule for the Proposed Project is included in this Application as APPENDIX C.

Upon completion of its review of this Application and preparation of an initial study, SCE requests that the Commission issue and certify an appropriate environmental document and issue a PTC authorizing SCE to construct the Proposed Project set forth in this Application and the attached PEA within the timelines set forth in Section III.H of this Application.

III.

STATUTORY AND PROCEDURAL REQUIREMENTS

A. Applicant

The applicant is Southern California Edison Company, an electric public utility company organized and existing under the laws of the State of California. SCE's principal place of business is 2244 Walnut Grove Avenue, Post Office Box 800, Rosemead, California 91770.

Please address correspondence or communications in regard to this Application to:

Tammy Jones
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Southern California Edison Company
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Case Administration
Southern California Edison Company
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Post Office Box 800
Rosemead, California 91770
Phone: (626) 302-3101
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B. Articles of Incorporation

A copy SCE's Restated Articles of Incorporation, as amended through June 1, 1993, and as presently in effect, certified by the California Secretary of State, was filed with the Commission on June 15, 1993, in connection with Application No. 93-06-022³ and is incorporated herein by reference; pursuant to Rule 2.2 of the Commission's Rules of Practice and Procedure.

C. Balance Sheet and Statement of Income

APPENDIX A to this Application contains copies of SCE's balance sheet and statement of income as of September 30, 2014. The balance sheet reflects SCE's utility plant at original cost, less accumulated depreciation.

Since 1954, pursuant to Commission Decision No. 49665 dated February 16, 1954, in Application No. 33952, as modified by Decision No. 91799 in 1980, SCE has utilized straightline remaining life depreciation for computing depreciation expense for accounting and ratemaking purposes in connection with its operations.

Pursuant to Commission Decision No. 59926, dated April 12, 1960, SCE uses accelerated depreciation for income tax purposes and "flows through" reductions in income tax to customers within the Commission's jurisdiction for property placed in service prior to 1981. Pursuant to Decision No. 93848 in OII-24, SCE uses the Accelerated Cost Recovery System (ACRS) for federal income tax purposes and "normalizes" reductions in income tax to customers for property placed in service after 1980 in compliance with the Economic Recovery Tax Act of 1981, and

³ Application No. 93-06-22, filed June 15, 1993, regarding approval of a Self-Generation Deferral Agreement between Mobile Oil Corporation Torrance Refinery and Southern California Edison Company.

also in compliance with the Tax Reform Act of 1986. Pursuant to Decision No. 88-01-061, dated January 28, 1988, SCE uses a gross of tax interest rate in calculating the AFUDC Rate, and income tax normalization to account for the increased income tax expense occasioned by the Tax Relief Act of 1986 provisions requiring capitalization of interest during construction for income tax purposes.

D. Description of Southern California Edison Company

SCE is an investor-owned public utility engaged in the business of generating, transmitting, and distributing electric energy in portions of central and southern California. In addition to its properties in California, it owns, in some cases jointly with others, facilities in Nevada, Arizona, and New Mexico, its share of which produces power and energy for the use of its customers in California. In conducting such business, SCE operates an interconnected and integrated electric utility system.

E. Service Territory

SCE's service territory is located in 15 counties in central and southern California, consisting of Fresno, Imperial, Inyo, Kern, Kings, Los Angeles, Madera, Mono, Orange, Riverside, Santa Barbara, San Bernardino, Tulare, Tuolumne,⁴ and Ventura Counties, and includes approximately 188 incorporated communities as well as outlying rural territories. A list of the counties and municipalities served by SCE is attached hereto as APPENDIX B. SCE also supplies electricity to certain customers for resale under tariffs filed with the Federal Energy Regulatory Commission.

⁴ SCE provides electric service to a small number of customer accounts in Tuolumne County and is not subject to franchise requirements.

F. Location Of Items Required In A Permit To Construct Pursuant To G.O. 131-D,
Section IX.B

Much of the information required to be included in a PTC application pursuant to G.O. 131-D, Section IX.B is found in the PEA.

Required PTC application information has been cross-referenced to the PEA in the following text. The PTC application requirements of G.O. 131-D, Section IX.B are in *bold italics*, and the PEA references follow in plain text.

a. A description of the proposed power line or substation facilities, including the proposed power line route; proposed power line equipment, such as tower design and appearance, heights, conductor sizes, voltages, capacities, substations, switchyards, etc., and a proposed schedule for authorization, construction, and commencement of operation of the facilities.

- Descriptions of the Project are found throughout the PEA, including in Chapter 1, Chapter 2, Chapter 3, Chapter 4, and Chapter 5.
- The proposed power line route is described in Sections 1.2 (“Project Location”), 3.0 (“Project Description”), 3.1 (“Project Location”), 3.4 (“Proposed Project”) and 3.5 (“Project Components”) [including Subsection 3.5.1.2 (“115 kV Subtransmission Line Description”), and illustrated in Figures 3.1-B (“Proposed Valley South 115 kV System Configuration”), 3.2 (“Subtransmission Source Line Route Description”), 3.8 (“Segment 1 & Segment 2 Locations”), 4.0 (“Segment 1 and Segment 2 Locations”), 4.1-1 (“Locations of Key Observation Points (KOPs) and Context Photographs”), 4.4-1 (“Location Map”), 4.4-2 (“Proposed Project Study Area”), 4.4-3 (“Soil Types”), 4.4-4 (“Vegetation and Other Land Cover Types”), 4.4-5 (“USACE and RWQCB Waters Jurisdiction”), 4.4-6 (“CDFW Waters Jurisdiction”), 4.4-7 (“Critical Habitat”), 5.1 (“Western and Eastern Segments”). The location where work would be done at an existing substation is described in Section 3.5.4.23 (“Modifications to Existing Substations”) and illustrated in Figures 3.2 (“Subtransmission Source Line Route Description”) 4.4-4 (“Vegetation and Other Land Cover Types”).
- The physical characteristics of the Project’s components are described in Sections 1.1 (“Project Components”), 3.0 (“Project Description”), 3.4 (“Proposed Project”) and 3.5 (“Project Components”) [including Subsections 3.5.1 (“Transmission”) 3.5.1.2 (“115 kV Subtransmission Line Description”), 3.5.1.3 (“Telecommunications Description”), 3.5.2 (“Poles/Towers”), 3.5.2.2 (“115 kV Subtransmission Poles/Towers”), 3.5.3 (“Conductor/Cable”), 3.5.3.1.2 (“Subtransmission”), 3.5.3.1.3 (“Telecommunications”), 3.5.3.1.4 (“Distribution”), 3.5.3.2.2 (“Subtransmission”), 3.5.3.2.4 (“Distribution”), 3.5.4 (“Substations”) and 3.5.4.23 (“Modifications to Existing Substations”)] and illustrated in Figures 3.2 (“Subtransmission Source Line Route Description”), 3.3 (“Typical

Subtransmission Structures”), 3.4 Typical Subtransmission Duct Bank, 3.5 (“Typical Subtransmission Vault”) and 3.6 (“Staging Yards”).

- The Project Schedule is discussed in Section 3.7.6 (“Construction Schedule”) and attached to this Application as APPENDIX C.

b. A map of the proposed power line routing or substation location showing populated areas, parks, recreational areas, scenic areas, and existing electrical transmission or power lines within 300 feet of the proposed route or substation.

- Regional [Figures 1.1 (“Proposed Project Location”), 4.6-2a (“Regional Faults”), 4.9-1 (“Hydrology and Floodplain Boundaries”) and 4.18-1 (“Planned and Proposed Projects”)] and Project area [Figures 1.2 (“Electrical Needs Area”), 3.2 (“Subtransmission Source Line Route Description”), 3.6 (“Staging Yards”), 3.7 (“Proposed Pull & Tension Sites, Splicing Sites & Guard Structures”), 3.8 (“Segment 1 & Segment 2 Locations”), 4.0 (“Segment 1 and Segment 2 Locations”), 4.2-1 (“FMMP Farmland Classifications”), 4.2-2 (“Williamson Act Lands and Agricultural Preserves”), 4.4-1 (“Location Map”), and 5.1 (“Western and Eastern Segments”)] maps and aerial photographs showing existing features, including land uses and populated areas, are provided in the PEA.
- Maps and aerial photographs of current land uses, including designation of parks, recreational, and scenic areas are provided as Figures 4.1-1 (“Locations of Key Observation Points (KOPs) and Context Photographs”), 4.2-1 (“FMMP Farmland Classifications”), 4.2-2 (“Williamson Act Lands and Agricultural Preserves”), 4.4-1 (“Location Map”), 4.4-2 (“Proposed Project Study Area”), 4.4-3 (“Soil Types”), 4.4-4 (“Vegetation and Other Land Cover Types”), 4.10-1 (“General Plan Land Use Designations”), 4.10-2 (“Zoning”), 4.10-3 (“Specific Plan Land Use Use Designation”), 4.10-4 (“Area Plan Designations”), 4.14-1 (“Public Services”), 4.15-1 (“Parks and Recreational Areas”) 4.15-2 (“Trail Locations”) and 4.18-1 (“Planned and Proposed Projects”).
- Maps showing the location of the 115 kV subtransmission line route, and proximity to existing electrical transmission and power lines, are provided as Figures 3.1-A (“Existing Valley South 115 kV System Configuration”), 3.1-B (“Proposed Valley South 115 kV System Configuration”), 4.4-1 (“Location Map”), 4.4-2 (“Proposed Project Study Area”), 4.4-3 (“Soil Types”), 4.4-4 (“Vegetation and Other Land Cover Types”) and 5.1 (“Western and Eastern Segments”).

c. Reasons for adoption of the power line route or substation location selected, including comparison with alternative routes or locations, including the advantages and disadvantages of each.

- Reasons for the adoption of the route for the 115 kV subtransmission line work and substation modifications, including the challenges and additional environmental impacts associated with alternative routes and sites, are discussed in Section 5.2 (“Description of Project Alternatives and Impact Analysis”) [including Subsections 5.2.1 (“Electrical System, Substation Site, and Subtransmission Line Route Evaluation Methodology”), 5.2.1.1 (“Electrical System Evaluation Methodology”), 5.2.1.2 (“Subtransmission Line Route Evaluation Methodology”), 5.2.2 (“Alternatives Comparison Summary”) and 5.2.3.3 (“Subtransmission Line Route Alternatives Comparison”)]. As discussed therein, no alternative subtransmission routings could reasonably be expected to allow for development of the Project as feasibly as the proposed route, while also reducing environmental impacts. In particular, as an alternative to Subtransmission Line Route Alternative 1 (analyzed in Subsection 5.2.2.5.1), a second alternative was described in Subsections 3.15 (“Project Alternatives Components Description”) and 5.2.2.5.2 (“Subtransmission Line Route Alternative”). However, as discussed more fully in each of the environmental impact sections in Chapter 4, as well as Subsection 5.2.3.3 (“Subtransmission Line Route Alternatives Comparison”), including Table 5.2 (“Comparison of Proposed and Alternative 115 kV Subtransmission Line Routes”), this route alternative is longer than the Proposed Project route and would likely generate environmental impacts to both Aesthetics and Air Quality, among other areas.
 - In addition, other Subtransmission Line Route Alternatives were analyzed and eliminated from further analysis. Those eliminated alternatives are described and analyzed in Subsection 5.2.2.6 (“Subtransmission Line Route Alternatives Eliminated from Further Consideration”) [including Subsections 5.2.2.6.1 (“Subtransmission Line Route Alternative 3”) and 5.2.2.6.2 (“Subtransmission Line Route Segments”)], and illustrated in Figure 5.1 (“Western and Eastern Segments”).
 - Finally, one System Alternative was also analyzed in Section 5.2.2.2.1 (“System Alternative 1”), including Subsection 5.2.2.2.3 (“Electrical System Alternatives Comparison”). That alternative evaluated the existing 115 kV subtransmission lines to determine if any upgrades were possible to provide additional line capacity to address the projected overloads of the existing facilities. As discussed therein, no upgrades are possible, as all of the primary 115 kV subtransmission lines which serve the ENA (*i.e.*, Valley-Sun City, Valley-Auld, and Valley-Auld-Triton) are already constructed to their maximum operating capacity.
- d. A listing of the governmental agencies with which proposed power line route or substation location reviews have been undertaken, including a written agency response to applicant’s written request for a brief position statement by that agency. (Such listing shall include The Native American Heritage Commission, which shall constitute notice on California Indian Reservation Tribal governments.) In the absence of a written agency position statement, the utility may submit a statement of its understanding of the position of such agencies.***

- SCE conducted initial briefings about the Proposed Project with Riverside County Supervisor Jeff Stone and his staff in 2011 during route selection. SCE conducted additional briefings in 2012 after the preferred route was selected. The most recent briefing occurred in September 2013 after SCE added additional scope to the Proposed Project. The county expressed no concerns about the changes to the Proposed Project.⁵
- SCE conducted initial briefings about the Proposed Project with Don Allison, Director of Public Works for the City of Menifee, and City of Menifee staff in 2011 during route selection. SCE conducted additional briefings in 2012 after the preferred route was selected. The most recent briefing occurred in September 2013 after SCE added additional scope to the Proposed Project. The city expressed no concerns about the changes to the Proposed Project.
- SCE conducted initial briefings about the Proposed Project with Patrick Thomas, Director of Public Works for the City of Murrieta, in fall 2011 during route selection. SCE conducted additional briefings in 2012 after the preferred route was selected. The most recent briefing occurred in September 2013 with Bob Moehling, Acting Public Works Director for the City of Murrieta, and Jeff Hitch, Public Works Construction Manager for the City of Murrieta, after SCE added additional scope to the Proposed Project. The city expressed no concerns about the changes to the Proposed Project. In December 2014, SCE met with staff for the City of Murrieta. Present in the meeting were City Manager Rick Dudley, Assistant City Manager Kim Summers, Admin Services Director Brian Ambrose, Public Works Director Jeff Hitch, and City Planner Robin Bateson. City staff had no objections to the project.
- SCE did not conduct briefings with the City of Temecula during the early stage of the Proposed Project because at that time the proposed routes did not affect the city. SCE first met with Greg Butler, then Director of Public Works and currently Assistant City Manager for the City of Temecula, regarding the Proposed Project in August 2013 after it was determined that the proposed route options would need to be extended into Temecula. SCE also conducted briefings with Aaron Adams, Temecula City Manager, in September 2013. The city expressed no concerns about the changes to the Proposed Project. In December 2014, SCE met with representatives for the City of Temecula. Present in the meeting were Mayor Pro Tem Jeff Comerchero, City Manager Aaron Adams, and Public Works Director Tom Garcia. The City had no objections to the project.

⁵ SCE also conducted public briefings with the Winchester Municipal Advisory Council (Winchester MAC) in April 2013, January 2014, and November 2014. Each briefing provided an overview of the Proposed Project and provided an opportunity for the Winchester MAC and public to ask questions about the Proposed Project. The Winchester MAC is an advisory board that reports to Supervisor Stone and provides input on issues affecting the unincorporated community of Winchester, which is located east of Menifee. The Winchester MAC has since been reorganized by Riverside County to include additional unincorporated areas and is now called the Winchester-Homeland Municipal Advisory Council.

- A communication was sent to the Native American Heritage Commission (NAHC) on March 22, 2012, requesting a search of its Sacred Lands File and a list of Native American individuals and organizations that might have knowledge of or concerns with cultural resources within Segment 1 of the Proposed Project area. A response from the NAHC was received March 23, 2012, indicating that no cultural resources are on file but the area is known to be culturally sensitive. (Copies of the written communications to and from NAHC are included in the PEA in APPENDIX C). Thirteen Native American representatives were identified by the NAHC, and letters were sent to these representatives. (Copies of these letters are also included in the PEA in APPENDIX C). Letter responses were received from the Soboba Band of Luiseño Indians, the Pechanga Cultural Resources office of the Temecula Band of Luiseño Mission Indians, the Cultural Committee of the Rincon Band of Luiseño Indians, the Pala Tribal Historic Preservation Office, and the Cahuilla Tribal Environmental Protection Office. (Copies of these responses are also included in the PEA in APPENDIX C). The SCE Tribal Liaison, Brian McDonald, placed telephone calls to the tribal respondents and SCE sent comment response letters to Cahuilla, Pechanga, and Soboba. These were followed by separate meetings on July 11, 2012, with Joe Ontiveros of Soboba and Anna Hoover of Pechanga by an SCE team consisting of Brian McDonald (SCE Tribal Liaison), Rosalie Barcinas (SCE Project Manager), and Dave Hanna (SCE Project Archaeologist). The same SCE team participated in project field review and cultural site visit events with Joe Ontiveros of Soboba on July 30, 2012, and with Anna Hoover of Pechanga on September 12, 2012. Both tribal representatives expressed a high level of concern over the possibility of impacting archaeological site CA-RIV-1074 during construction of the Alternative Project and concern over the potential for making unanticipated discoveries during construction along certain segments of the Proposed Project and Alternative Project. Both representatives expressed a desire to have tribal monitors present during construction in these areas. Accordingly, SCE sent letters and a map to Soboba and Pechanga on September 28, 2012, requesting that they return shape files depicting areas of particular concern. (Copies of these letters are also included in the PEA in APPENDIX C.) Soboba emailed shape files to SCE on November 1, 2012, but none have been received from Pechanga as of the submittal of this Proponent's Environmental Assessment. Soboba's mapped areas of concern recapitulate those noted verbally by Pechanga in the field. With the addition of a reconductoring element to the Proposed Project, a new set of letters and maps was mailed by SCE to the original contacts on June 24, 2013. Two responses were received. Soboba expressed the same concerns and interests as in their original response. Rincon referred SCE to Soboba and Pechanga. After a November 20, 2013, meeting with Pechanga on a separate topic, Anna Hoover expressed verbally that the tribe had no comment beyond their original responses for the earlier definition of the Proposed Project, but anticipated continuing contacts with SCE as the Proposed Project progresses.

e. A PEA or equivalent information on the environmental impact of the project in accordance with the provisions of CEQA and this Commission's Rules of Practice and Procedure Rule 2.4 [formerly 17.1 and 17.3]. If a PEA is filed, it may include the data described in Items a. through d. above.

- A PEA is attached to this Application.

G. Compliance With G.O. 131-D, Section X

G.O. 131-D, Section X, requires applications for a PTC to describe measures taken to reduce potential exposure to electric and magnetic fields (EMF) generated by the proposed facilities. A complete description of EMF-related issues is contained in SCE’s EMF Field Management Plan for the Project, which is attached as APPENDIX F to this Application.

H. Compliance With Rule 2.1(c)

In compliance with Rule 2.1(c) of the Commission’s Rules of Practice and Procedure (California Code of Regulations, Title 20), SCE is required to state in this Application “[t]he proposed category for the proceeding, the need for hearing, the issues to be considered, and a proposed schedule.” SCE proposes to categorize this Application as a rate-setting proceeding. SCE anticipates that a hearing will not be necessary. This proceeding involves the Commission’s: (1) environmental review of the Project in compliance with the California Environmental Quality Act (CEQA) (Pub. Resources Code § 21000 *et seq.*) and the Commission’s G.O. 131-D; and (2) issuance of a PTC authorizing SCE to construct the Project.

SCE suggests the following proposed schedule for this Application:

- December 2014 Application filed
- January 2015 Application accepted as complete
- April 2015 Initial Study issued
- January 2016 Draft CEQA document issued
- June 2016 Final CEQA document issued
- September 2016 Proposed Decision issued
- December 2016 Final Decision issued

I. Statutory Authority

This Application is made pursuant to the provisions of CEQA, G.O. 131-D, the Commission's Rules of Practice and Procedure, and prior orders and resolutions of the Commission.

J. Public Notice

Pursuant to G.O. 131-D, Section XI.A, notice of this Application shall be given: (1) to certain public agencies and legislative bodies; (2) to owners of property located on or within 300 feet of the project area; (3) by advertisement in a newspaper or newspapers of general circulation; and (4) by posting a notice on-site and off-site at the project location. SCE has given, or will give, proper notice within the time limits prescribed in G.O. 131- D. A copy of the Notice of Application for a Permit to Construct and list of newspapers which will publish the notice are contained in APPENDIX D. A copy of the Certificate of Service of Notice of Application for a Permit to Construct and a service list are contained in APPENDIX E.

K. Supporting Appendices And Attachment

Appendices A through F and the attached PEA listed below are made a part of this Application:

- APPENDIX A: Balance Sheet and Statement of Income as of September 30, 2014
- APPENDIX B: List of Counties and Municipalities Served by SCE
- APPENDIX C: Valley South 115 kV Subtransmission Project Schedule
- APPENDIX D: Notice of Application for a Permit to Construct
- APPENDIX E: Certificate of Service of Notice of Application for a Permit to Construct
- APPENDIX F: Field Management Plan
- Attachment: Proponent's Environmental Assessment

L. Compliance With Rule 2.5

In accordance with Rule 2.5 of the Commission's Rules of Practice and Procedure, SCE is enclosing a deposit to be applied to the costs the Commission incurs to prepare a negative declaration or an environmental impact report for the Project.

M. Request For Ex Parte Relief

SCE requests that the relief requested in this Application be provided *ex parte* as provided for in G.O. 131-D, Section IX.B.6.

N. Request For Timely Relief

SCE requests the Commission to issue a decision within the time limits prescribed by Government Code Section 65920 *et seq.* (the Permit Streamlining Act) as provided for in G.O. 131-D, Section IX.B.6.

Moreover, as addressed in the same subsection of G.O. 131-D, SCE requests that the Commission refrain from assigning an ALJ to this proceeding, unless a valid protest is received by the Commission, and in the absence of any valid protest allow the Energy Division to process this Application.⁶

⁶ D.95-08-038, APPENDIX A, p. 25.

IV.

CONCLUSION

SCE respectfully requests the Commission to issue a PTC authorizing SCE to construct the Project described in this Application and the attached PEA. SCE further requests that the relief be provided *ex parte* and within the time limits prescribed by the Permit Streamlining Act.

Respectfully submitted,

SOUTHERN CALIFORNIA EDISON COMPANY

/s/ Kevin R. Cini

By: Kevin R. Cini

Vice President, Major Projects Organization

/s/Tammy Jones

By: Tammy Jones

Attorney for

SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue

Post Office Box 800

Rosemead, California 91770

Telephone: (626) 302-6634

Facsimile: (626) 302-6736

E-mail: tammy.jones@sce.com

December 15, 2014

VERIFICATION

I am an officer of the applicant corporation herein, and am authorized to make this verification on its behalf. I am informed and believe that the matters stated in the foregoing document are true.

I declare under penalty of perjury that the foregoing is true and correct.

Executed this **11th** day of December, 2014, at Rosemead, California.

/s/ Kevin R. Cini

By: Kevin R. Cini

Vice President, Major Projects Organization

SOUTHERN CALIFORNIA EDISON COMPANY

Telephone: (714) 255-4894

Appendix A

BALANCE SHEET AND STATEMENT OF INCOME

AS OF SEPTEMBER 30, 2014

SOUTHERN CALIFORNIA EDISON COMPANY

BALANCE SHEET
SEPTEMBER 30, 2014
ASSETS
(in millions)

UTILITY PLANT:

Utility plant, at original cost *	\$ 36,137
Less- accumulated provision for depreciation and decommissioning *	<u>7,997</u>
	28,140
Construction work in progress	3,648
Nuclear fuel, at amortized cost	<u>131</u>
	<u>31,919</u>

OTHER PROPERTY AND INVESTMENTS:

Nonutility property - less accumulated depreciation of \$72	69
Nuclear decommissioning trusts	4,741
Other investments	<u>149</u>
	<u>4,959</u>

CURRENT ASSETS:

Cash and equivalents	49
Receivables, less allowances of \$70 for uncollectible accounts	1,190
Accrued unbilled revenue	998
Inventory	265
Derivative assets	103
Regulatory assets	1,170
Deferred income taxes	0
Other current assets	<u>489</u>
	<u>4,264</u>

DEFERRED CHARGES:

Regulatory assets	7,329
Derivative assets	245
Other long-term assets	<u>387</u>
	<u>7,961</u>
	<u>\$ 49,103</u>

* Detailed by class on following pages.

SOUTHERN CALIFORNIA EDISON COMPANY

BALANCE SHEET
SEPTEMBER 30, 2014
CAPITALIZATION AND LIABILITIES
(in millions)

CAPITALIZATION:

Common stock	\$	2,168
Additional paid-in capital		608
Accumulated other comprehensive loss		(8)
Retained earnings		8,237
Common shareholder's equity		<u>11,005</u>
Preferred and preference stock		2,070
Long-term debt		9,523
Total capitalization		<u>22,598</u>

CURRENT LIABILITIES:

Short-term debt		679
Current portion of long-term debt		500
Accounts payable		1,446
Customer deposits		214
Derivative liabilities		154
Regulatory liabilities		794
Deferred income taxes		126
Other current liabilities		1,117
		<u>5,030</u>

DEFERRED CREDITS:

Deferred income taxes and credits		8,182
Derivative liabilities		947
Pensions and benefits		1,015
Asset retirement obligations		2,960
Regulatory liabilities		6,387
Other deferred credits and other long-term liabilities		1,984
		<u>21,475</u>
	\$	<u>49,103</u>

SOUTHERN CALIFORNIA EDISON COMPANY

(h) A balance sheet as of the latest available date, together with an income statement covering the period from close of last year for which an annual report has been filed with the Commission to the date of the balance sheet attached to the application.

STATEMENT OF INCOME
NINE MONTHS ENDED SEPTEMBER 30, 2014

(In millions)

OPERATING REVENUE	<u>\$ 10,276</u>
OPERATING EXPENSES:	
Fuel	219
Purchased power	4,344
Other operation and maintenance	2,187
Depreciation, decommissioning and amortization	1,248
Property and other taxes	232
Impairment and other charges	231
Total operating expenses	<u>8,461</u>
OPERATING INCOME	1,815
Interest and other income	105
Interest expense	(402)
Other expenses	(52)
INCOME BEFORE INCOME TAX	<u>1,466</u>
INCOME TAX	<u>310</u>
NET INCOME	1,156
Less: Dividends on preferred and preference stock	<u>84</u>
NET INCOME AVAILABLE FOR COMMON STOCK	<u><u>\$ 1,072</u></u>

Appendix B

LIST OF COUNTIES AND MUNICIPALITIES SERVED BY SCE



Incorporated Cities and Counties Served by SCE

COUNTIES

Fresno	Kern	Madera	Riverside	Tuolumne
Imperial	Kings	Mono	San Bernardino	Tulare
Inyo	Los Angeles	Orange	Santa Barbara	Ventura

CITIES

Adelanto	Commerce	Hesperia	Los Alamitos	Port Hueneme	Simi Valley
Agoura Hills	Compton	Hidden Hills	Lynwood	Porterville	South El Monte
Alhambra	Corona	Highland	Malibu	Rancho Cucamonga	South Gate
Aliso Viejo	Costa Mesa	Huntington Beach	Mammoth Lakes	Rancho Mirage	South Pasadena
Apple Valley	Covina	Huntington Park	Manhattan Beach	Rancho Palos Verdes	Stanton
Arcadia	Cudahy	Indian Wells	Maywood	Rancho Santa Margarita	Tehachapi
Artesia	Culver City	Industry	McFarland	Redlands	Temecula
Avalon	Cypress	Inglewood	Menifee	Redondo Beach	Temple City
Baldwin Park	Delano	Irvine	Mission Viejo	Rialto	Thousand Oaks
Barstow	Desert Hot Springs	Irwindale	Monrovia	Ridgecrest	Torrance
Beaumont	Diamond Bar	Jurupa Valley	Montclair	Rolling Hills	Tulare
Bell	Downey	La Canada Flintridge	Montebello	Rolling Hills Estates	Tustin
Bell Gardens	Duarte	La Habra	Monterey Park	Rosemead	Twentynine Palms
Bellflower	Eastvale	La Habra Heights	Moorpark	San Bernardino	Upland
Beverly Hills	El Monte	La Mirada	Moreno Valley	San Gabriel	Valencia
Big Bear Lake	El Segundo	La Palma	Murrieta	San Jacinto	Victorville
Bishop	Exeter	La Puente	Newport Beach	San Marino	Villa Park
Blythe	Farmersville	La Verne	Norco	Santa Ana	Visalia
Bradbury	Fillmore	Laguna Beach	Norwalk	Santa Barbara	Walnut
Brea	Fontana	Laguna Hills	Ojai	Santa Clarita	West Covina
Buena Park	Fountain Valley	Laguna Niguel	Ontario	Santa Fe Springs	West Hollywood
Calabasas	Fullerton	Laguna Woods	Orange	Sierra Madre	Westlake Village
California City	Garden Grove	Lake Elsinore	Oxnard	Signal Hill	Westminster
Calimesa	Gardena	Lake Forest	Palm Desert		Whittier
Camarillo	Glendora	Lakewood	Palm Springs		Wildomar
Canyon Lake	Goleta	Lancaster	Palmdale		Woodlake (Three Rivers)
Carpinteria	Grand Terrace	Lawndale	Palos Verdes		Yorba Linda
Carson	Hanford	Lindsay	Paramount		Yucaipa
Cathedral City	Hawaiian Gardens	Loma Linda	Perris		Yucca Valley
Cerritos	Hawthorne	Lomita	Pico Rivera		
Chino	Hemet	Long Beach	Placentia		
Chino Hills	Hermosa Beach		Pomona		
Claremont					

Appendix C

VALLEY SOUTH 115 kV SUBTRANSMISSION PROJECT SCHEDULE

Proposed Valley South 115 kV Subtransmission Project Schedule

<u>Date</u>	<u>Event</u>
December 2014	Application filed
January 2014	Application accepted as complete
April 2015	Initial study issued
January 2016	Draft CEQA document issued
June 2016	Final CEQA document issued
September 2016	Proposed Commission Decision issued
December 2016	Final Decision issued
August 2018	Commence construction
January 2020	Commence operation

Appendix D

NOTICE OF APPLICATION FOR A PERMIT TO CONSTRUCT

NOTICE OF APPLICATION FOR A PERMIT TO CONSTRUCT

VALLEY SOUTH 115 kV SUBTRANSMISSION PROJECT

Date: December 15, 2014

Proposed Project: Southern California Edison Company (SCE) has filed a Permit to Construct Application with the California Public Utilities Commission (CPUC) to construct the Valley South 115 kV Subtransmission Project (Proposed Project). The purpose of the Proposed Project is 1) to add electric capacity to serve long-term forecasted electrical demand requirements in Menifee, Murrieta, Temecula, Wildomar, and portions of unincorporated communities of southwestern Riverside County, 2) to provide safe and reliable electrical service, 3) to maintain or improve system reliability, 4) to meet Proposed Project needs while minimizing environmental impacts, and 5) to design and construct the Proposed Project in conformance with SCE's approved engineering, design, and construction standards.

Project Description: The Proposed Project is located within the cities of Menifee, Murrieta, Temecula, and portions of unincorporated communities of southwestern Riverside County. One 115 kilovolt (kV) subtransmission line, approximately 15.4 miles in length, is proposed. The proposed 115 kV subtransmission line would extend from SCE's existing Valley 500/115 kV Substation in the City of Menifee crossing the northeastern portion of the City of Menifee and running south along Leon Road to the south side of Benton Road where it continues in a southerly direction paralleling Leon Road in Riverside County into the City of Temecula terminating on the south of Nicolas Road, approximately 250 feet west of Los Chorus Ranch Road in the City of Temecula. Additionally, SCE may utilize an existing material staging yard in the City of Perris. Please refer to the enclosed map below.

The Proposed Project includes the following elements:

- Modification of SCE's existing Valley 500/115 kV Substation, which includes equipping an existing 115 kV line position and providing protection equipment.
- Construction of a new 115 kV subtransmission line approximately 12 miles in length originating at SCE's existing Valley 500/115 kV Substation, crossing the northeastern portion of the City of Menifee, and running south along Leon Road and connecting to a tubular steel pole (TSP), located at the southeast corner of Leon Road and Benton Road in the City of Murrieta.
- Replacement of approximately 3.4 miles of existing 115 kV conductor running south from the preceding TSP to a TSP, located at the south of Nicolas Road, approximately 250 feet west of Los Chorus Ranch Road in the City of Temecula.
- Construction to include installation of new and replacement subtransmission wood poles (approx. height 65-85 ft.), light weight steel poles (approx. 74-99 ft.) and TSPs (approx. 75-115 ft.).
- Relocation of existing distribution and telecommunication lines required to support the installation of the new 115 kV subtransmission line.
- Installation of telecommunications facilities at Triton and Valley Substations to connect the Proposed Project to SCE's existing telecommunication system.

Construction is scheduled to begin in the 1st quarter of 2018, and the Proposed Project is planned to be operational by the 1st quarter of 2020.

Electric and Magnetic Fields (EMF) Compliance: The CPUC requires utilities to employ "no-cost" and "low-cost" measures to reduce public exposure to magnetic fields. In accordance with "EMF Design Guidelines" (Decisions 93-11-013 and 06-01-042.), the Proposed Project would implement a combination of the following measures:

1. Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria
2. Utilize subtransmission line construction that reduces spacing between conductors compared with other designs
3. Utilize double-circuit construction that reduces spacing between circuits compared with single-circuit construction
4. Arrange conductors of proposed subtransmission line for magnetic field reduction
5. Utilize underground subtransmission construction for engineering reasons
6. Arrange underground cables of proposed subtransmission line for magnetic field reduction

Environmental Review: SCE has prepared a Proponent's Environmental Assessment (PEA) of potential environmental impacts created by the construction and operation of the Proposed Project. The PEA concludes that with the implementation of Applicant-Proposed Measures (APMs), the majority of the potential significant environmental effects associated with the Proposed Project would be reduced to less than significant levels. However, impacts to Aesthetics are expected to be significant and unavoidable.

Pursuant to the California Environmental Quality Act (CEQA), the CPUC's Energy Division will conduct an independent review of the proposed project's environmental impacts. Depending on the results of its review, the Energy Division will issue a Negative Declaration that the proposed project will not result in any significant environmental impacts, or an environmental impact report (EIR) identifying the significant environmental impacts and mitigation measures and alternatives to avoid or reduce them.

Public Participation:

- The public may participate in the environmental review by submitting comments on the Notice of Intent to Approve a Negative Declaration, or on the Notice of Preparation of EIR and draft EIR, and by participating in any scoping meetings or public meetings that may be conducted. For information on the environmental review, contact the CPUC's Energy division at enviroteam@cpuc.ca.gov or (415)703-2126.
- Persons wishing to present testimony in evidentiary hearings and/or legal briefing on all other issues, including project need and cost, EMF compliance; and, if one is prepared, whether the EIR complies with CEQA, require party status. Persons may obtain party status by filing a protest to the application by **January 14, 2015**, in compliance with Rule 2.6, or by making a motion for party status at any time in compliance with Rule 1.4, of the CPUC's Rules of Practice and Procedure (posted at www.cpuc.ca.gov).
- The public may communicate their views regarding the application by writing to the CPUC at 505 Van Ness Avenue, San Francisco, CA 94102, or by emailing the Public Advisor at public.advisor@cpuc.ca.gov. In addition, the CPUC may, at its discretion, hold a public participation hearing in order to take oral public comment.

Document Subscription Service: The CPUC's free online subscription service sends subscribers an email notification when any document meeting their subscription criteria is published on the CPUC's website, such as documents filed in a CPUC proceeding (e.g., notices of hearings, rulings, briefs and decisions). To sign up to receive notification of documents filed in this proceeding (or other CPUC matters), visit www.cpuc.ca.gov/subscription.

Contacts: For assistance from the CPUC, please contact the Public Advisor in San Francisco at (415) 703-2074 (public.advisor@cpuc.ca.gov) or in Los Angeles at (213) 567-7055 (Public.Advisor.LA@cpuc.ca.gov).

To review a copy of SCE's application, or to request further information about the proposed project, please contact:

For Murrieta, Temecula, and Wildomar:

Jeremy Goldman (Region Manager)
SCE Local Public Affairs
24487 Prielipp Rd
Wildomar, CA 92595
Phone: (951) 249-8466

For Menifee and Perris

Ray Hicks (Region Manager)
SCE Local Public Affairs
26100 Menifee Rd
Menifee CA 92585
Phone: (951) 928-8238

Unincorporated Riverside:

Louis Davis (Region Manager)
SCE Local Public Affairs
24487 Prielipp Rd
Wildomar, CA 92595
Phone: (951) 249-8468

Additional information may be found at <http://www.sce.com/ValleySouth>

LIST OF NEWSPAPER

PUBLISHING THE NOTICE FOR A PERMIT TO CONSTRUCT

The Press Enterprise
3450 Fourteenth Street
Riverside, CA 92501

Appendix E

**CERTIFICATE OF SERVICE OF NOTICE OF APPLICATION FOR A
PERMIT TO CONSTRUCT**

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

In the Matter of the Application of SOUTHERN)
CALIFORNIA EDISON COMPANY (U 338-E))
for a Permit to Construct Electrical Facilities)
With Voltages Between 50 kV and 200 kV:)
Valley South 115kV Subtransmission Project)

CERTIFICATE OF SERVICE

I hereby certify that, pursuant to the Commission's Rules of Practice and Procedure, I have this day served a true copy of the **NOTICE OF APPLICATION OF SOUTHERN CALIFORNIA EDISON COMPANY (U 338-E) FOR A PERMIT TO CONSTRUCT ELECTRICAL FACILITIES WITH VOLTAGES BETWEEN 50 kV AND 200 kV: VALLEY SOUTH 115 kV SUBTRANSMISSION PROJECT** on all parties identified on the attached list(s).

Service was effected by one or more means indicated below:

- Placing the copies in sealed envelopes and causing such envelopes to be delivered via USPS First Class Mail.

Lists: **VSSP 300-Foot List**
VSSP Interested Party List

- Placing the copies in sealed envelopes and causing such envelopes to be delivered via USPS Certified Mail.

List: **VSSP Agency List**

Executed this **December 15, 2014**, at Rosemead, California.

/s/ Alejandra Arzola

Alejandra Arzola
Project Analyst
SOUTHERN CALIFORNIA EDISON COMPANY
Post Office Box 800
2244 Walnut Grove Avenue
Rosemead, California 91770

**Valley South Subtransmission Project
Agency Mailing List for Notice of Application**

Jeff Stone, Supervisor Riverside County Board of Supervisors P.O. Box 1486 Riverside, CA 92502	Jay Orr, County Exec Officer County of Riverside 4080 Lemon Street - 4th Floor Riverside, CA 92501	Mary Stark, Planning Comm. Sec County of Riverside P.O. Box 1409 Riverside, CA 92502
Juan Perez, TLMA Director Riverside County Planning Dept P.O. Box 1409 Riverside, CA 92502-1409	Rick Dudley, City Manager City of Murrieta One Town Square Murrieta, CA 92562	Harry Ramos, Mayor Pro-Tem City of Murrieta One Town Square Murrieta, CA 92562
Ruthanne T. Berger, Chair Pl Comm. City of Murrieta One Town Square Murrieta, CA 92562	Cynthia Kinser, City Planner City of Murrieta One Town Square Murrieta, CA 92562	Matt Liesemeyer, Chair Pl Comm. City of Menifee 29714 Haun Road Menifee, CA 92586
Robert Johnson, City Manager City of Menifee 29714 Haun Road Menifee, CA 92586	Hon. Scott Mann, Mayor City of Menifee 29714 Haun Road Menifee, CA 92586	Jennifer Allen, Planning Comm. Sec City of Menifee 29714 Haun Road Menifee, CA 92586
Charles <u>LaClaire</u> , Interim Com Dev Dir City of Menifee 29714 Haun Road Menifee, CA 92586	Armando G. Villa, Dir of Com Dev City of Temecula 41000 Main Street Temecula CA 92590	Stanley Harter, Chair Pl Comm. City of Temecula 41000 Main Street Temecula, CA 92590
Hon. Maryann Edwards, Mayor City of Temecula 41000 Main Street Temecula, CA 92590	Aaron Adams, City Manager City of Temecula 41000 Main Street Temecula CA 92590	Robert Oglesby, Executive Dir California Energy Commission 1516 Ninth Street Sacramento, CA 95814-5512
Hon. Daryl Busch, Mayor City of Perris 101 N. D Street Perris, CA 92570	Richard Belmudez, City Manager City of Perris 101 N. D Street Perris, CA 92570	Dwayne Hammond, Chair City of Perris - Planning Commission 101 N. D Street Perris, CA 92570
Malcolm Dougherty, Director Dept. of Transportation – MS 49 1120 N St. Sacramento, CA 95814	Gary Cathey, Chief Div. of Aeronautics Dept. of Transportation – MS 40 P. O. Box 942874 Sacramento, CA 94274-0001	John Laird, Secretary California Resources Agency 1416 Ninth St. - Suite 1311 Sacramento, CA 95814
Charlton H. Bonham, Director California Dept. of Fish and Wildlife 1416 9th Street, 12th Floor, Sacramento, CA 95814	Toby Douglas, Director Department of Health Services 1501 Capitol Ave. - Suite 6001 Sacramento, CA 94234-7320	Tom Howard, Executive Director State Water Resources Control Brd P.O. Box 100 Sacramento, CA 95812-0100
Richard Corey, Executive Officer California Air Resources Board P.O. Box 2815 Sacramento, CA 95812	Barry R. Wallerstein, Exec. Officer South Coast Air Quality Mgmt. Dist. 21865 Copley Drive Diamond Bar, CA 91765	Kurt V. Berchtold, Executive Officer Regional Water - Santa Ana Office 3737 Main Street, Suite 500 Riverside, CA 92501-3339
Basem E. Muallem, District Director Dept. of Transportation - District 8 464 W. Fourth Street San Bernardino, CA 92401	Karen Miller, CPUC Public Advisor California Public Utilities Comm. 505 Van Ness Avenue San Francisco, CA 94102	Edward Randolph, Energy Div Dir California Public Utilities Comm. 505 Van Ness Avenue San Francisco, CA 94102
Dr. Dan Swenson, Section Chief U.S. Army Corps of Engineers – Reg Div. 915 Wilshire Blvd. Los Angeles, CA 90017	Carolyn S. Luna, Executive Director Riverside Co. Habitat Conserv Agency 4080 Lemon St - 12th Floor Riverside CA 92501	Charles Landry, Executive Director Western Riverside Co. Reg Conserv Auth 3403 10th Street, Suite 320 Riverside, CA 92501

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
466-220-016	8001 IRVINE CENTER DR STE 1550	IRVINE	CA	92618	N/AVAIL	MENIFEE, CA, 92584
466-230-061	32825 LEON RD	WINCHESTER	CA	92596	32825 LEON RD	WINCHESTER, CA, 92596
466-230-062	16310 PORTER AVE	RIVERSIDE	CA	92504	N/AVAIL	WINCHESTER, CA, 92596
472-020-015	30920 PERRINE ST	MENIFEE	CA	92596	30920 PERRINE ST	MENIFEE, CA, 92596
472-020-017	30885 PERRINE ST	MENIFEE	CA	92596	30885 PERRINE ST	MENIFEE, CA, 92596
472-020-018	33509 VIEWPOINT DR	WILDOMAR	CA	92595	33200 WARM SPRINGS WAY	MENIFEE, CA, 92596
472-030-013	33275 LEON RD	WINCHESTER	CA	92596	33275 LEON RD	WINCHESTER, CA, 92596
472-030-014	33295 LEON RD	WINCHESTER	CA	92596	33295 LEON RD	WINCHESTER, CA, 92596
472-060-001	PO BOX 328	WINCHESTER	CA	92596	33080 LEON RD	WINCHESTER, CA, 92596
472-020-016	1433 ABELIA	IRVINE	CA	92606	33111 LEON RD	WINCHESTER, CA, 92596
472-060-003	14524 TRIPLE CROWN PL	NORTH POTOMAC	MD	20878	N/AVAIL	WINCHESTER, CA, 92596
472-020-019	30985 PERRINE ST	MENIFEE	CA	92596	30985 PERRINE ST	MENIFEE, CA, 92596
472-060-005	33170 LEON RD	WINCHESTER	CA	92596	33170 LEON RD	MENIFEE, CA, 92596
472-060-006	PO BOX 377	MURRIETA	CA	92564	33240 LEON RD	WINCHESTER, CA, 92596
472-030-020	2931 GERTRUDE ST	RIVERSIDE	CA	92506	33501 LEON RD	MENIFEE, CA, 92596
472-030-015	33425 LEON RD	MENIFEE	CA	92596	33425 LEON RD	MENIFEE, CA, 92596
472-050-008	30785 VIA LAS ROSAS	MENIFEE	CA	92596	30785 VIA LAS ROSAS	MENIFEE, CA, 92596
472-050-012	30920 CLOWE LN	MENIFEE	CA	92596	30920 CLOWE LN	MENIFEE, CA, 92596
472-080-001	12652 CARMEL COUNTRY RD UNIT 99	SAN DIEGO	CA	92130	33310 LEON RD	WINCHESTER, CA, 92596
472-080-004	33445 FOWLER DR	WINCHESTER	CA	92596	33445 FOWLER DR	WINCHESTER, CA, 92596
472-050-009	28536 CHAPARRAL VIEW DR	MENIFEE	CA	92584	N/AVAIL	MENIFEE, CA, 92596
472-080-005	33450 FOWLER DR	WINCHESTER	CA	92596	33450 FOWLER DR	WINCHESTER, CA, 92596
472-090-001	3161 MICHELSON DR STE 425	IRVINE	CA	92612	N/AVAIL	WINCHESTER, CA, 92596
472-050-014	PO BOX 995	WINCHESTER	CA	92596	33761 LEON RD	MENIFEE, CA, 92596
472-050-016	20263 WENDY LN	MURRIETA	CA	92562	30922 LA RAY LN	MENIFEE, CA, 92596
472-050-020	30985 LA RAY LN	MENIFEE	CA	92596	30985 LA RAY LN	MENIFEE, CA, 92596
472-050-021	33795 LEON RD	MENIFEE	CA	92596	33795 LEON RD	MENIFEE, CA, 92596
472-050-022	33885 LEON RD	MENIFEE	CA	92596	33885 LEON RD	MENIFEE, CA, 92596
480-010-020	6915 E RUTGERS DR	ANAHEIM	CA	92807	N/AVAIL	WINCHESTER, CA, 92596
480-010-021	34235 LEON RD	WINCHESTER	CA	92596	34235 LEON RD	WINCHESTER, CA, 92596
472-050-027	30928 KELLER RD	MENIFEE	CA	92596	30928 KELLER RD	MENIFEE, CA, 92596
472-050-028	30980 KELLER RD	MENIFEE	CA	92596	30980 KELLER RD	MENIFEE, CA, 92596

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
480-030-001	1331 W BAY AVE	NEWPORT BEACH	CA	92661	N/AVAIL	WINCHESTER, CA, 92596
480-030-007	31120 FLOSSIE WAY	WINCHESTER	CA	92596	31120 FLOSSIE WAY	WINCHESTER, CA, 92596
480-030-008	PO BOX 8505	MORENO VALLEY	CA	92552	31080 FLOSSIE WAY	WINCHESTER, CA, 92596
480-010-024	12865 POINTE DEL MAR WAY STE 200	DEL MAR	CA	92014	N/AVAIL	MURRIETA, CA, 92563
480-010-026	12865 POINTE DEL MAR WAY STE 200	DEL MAR	CA	92014	N/AVAIL	MURRIETA, CA, 92563
480-030-013	1800 E HWY N # 200	BREA	CA	92821	34445 KOODEN RD	WINCHESTER, CA, 92596
480-030-009	31085 FLOSSIE WAY	WINCHESTER	CA	92596	31085 FLOSSIE WAY	WINCHESTER, CA, 92596
480-020-013	12865 POINTE DEL MAR WAY STE 200	DEL MAR	CA	92014	N/AVAIL	SUN CITY, CA, 92586
480-020-014	12865 POINTE DEL MAR WAY STE 200	DEL MAR	CA	92014	N/AVAIL	SUN CITY, CA, 92586
480-020-032	12865 POINTE DEL MAR WAY STE 200	DEL MAR	CA	92014	N/AVAIL	SUN CITY, CA, 92586
480-040-001	1800 E HWY N # 200	BREA	CA	92821	N/AVAIL	WINCHESTER, CA, 92596
480-040-002	1800 E HWY N # 200	BREA	CA	92821	34625 ARMSTRONG RD	WINCHESTER, CA, 92596
480-040-004	1800 E HWY N # 200	BREA	CA	92821	N/AVAIL	WINCHESTER, CA, 92596
480-040-006	1800 E HWY N # 200	BREA	CA	92821	34755 ARMSTRONG RD	WINCHESTER, CA, 92596
480-040-008	1800 E HWY N # 200	BREA	CA	92821	34765 ARMSTRONG RD	WINCHESTER, CA, 92596
480-642-003	30914 BRISTLY CT	MURRIETA	CA	92563	30914 BRISTLY CT	MURRIETA, CA, 92563
480-610-044	12865 POINTE DEL MAR WAY STE 200	DEL MAR	CA	92014	N/AVAIL	MURRIETA, CA, 92563
480-642-005	34883 SKYFLOWER DR	MURRIETA	CA	92563	34883 SKYFLOWER DR	MURRIETA, CA, 92563
480-642-006	34871 SKYFLOWER DR	MURRIETA	CA	92563	N/AVAIL	CA,
480-643-001	34880 SKYFLOWER DR	MURRIETA	CA	92563	34880 SKYFLOWER DR	MURRIETA, CA, 92563
480-643-019	537 E FLORIDA AVE	HEMET	CA	92543	N/AVAIL	CA,
480-642-004	34895 SKYFLOWER DR	MURRIETA	CA	92563	34895 SKYFLOWER DR	MURRIETA, CA, 92563
480-641-009	30941 BRISTLY CT	MURRIETA	CA	92563	N/AVAIL	CA,
480-643-002	34892 SKYFLOWER DR	MURRIETA	CA	92563	N/AVAIL	CA,
480-643-003	34904 SKYFLOWER DR	MURRIETA	CA	92563	34904 SKYFLOWER DR	MURRIETA, CA, 92563
480-643-004	34916 SKYFLOWER DR	MURRIETA	CA	92563	N/AVAIL	CA,
480-541-018	31026 BRANDING IRON CT	WINCHESTER	CA	92596	31026 BRANDING IRON CT	WINCHESTER, CA, 92596
480-541-024	1671 E MONTE VISTA AVE # N-214	VACAVILLE	CA	95688	N/AVAIL	WINCHESTER, CA, 92596
480-541-019	31038 BRANDING IRON CT	WINCHESTER	CA	92596	31038 BRANDING IRON CT	WINCHESTER, CA, 92596
480-541-017	31005 BRANDING IRON CT	WINCHESTER	CA	92596	31005 BRANDING IRON CT	WINCHESTER, CA, 92596
480-541-016	31017 BRANDING IRON CT	WINCHESTER	CA	92596	31017 BRANDING IRON CT	WINCHESTER, CA, 92596
480-541-015	31029 BRANDING IRON CT	WINCHESTER	CA	92596	31029 BRANDING IRON CT	WINCHESTER, CA, 92596

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
480-643-017	537 E FLORIDA AVE	HEMET	CA	92543	N/AVAIL	CA,
480-641-008	5171 CALIFORNIA AVE STE 120	IRVINE	CA	92617	N/AVAIL	CA,
480-643-005	34928 SKYFLOWER DR	MURRIETA	CA	92563	34928 SKYFLOWER DR	MURRIETA, CA, 92563
480-643-006	34940 SKYFLOWER DR	MURRIETA	CA	92563	34940 SKYFLOWER DR	MURRIETA, CA, 92563
480-643-007	34952 SKYFLOWER DR	MURRIETA	CA	92563	N/AVAIL	CA,
480-643-009	30947 WINDFLOWER LN	MURRIETA	CA	92563	30947 WINDFLOWER LN	MURRIETA, CA, 92563
480-643-010	30935 WINDFLOWER LN	MURRIETA	CA	92563	30935 WINDFLOWER LN	MURRIETA, CA, 92563
480-643-008	30959 WINDFLOWER LN	MURRIETA	CA	92563	30959 WINDFLOWER LN	MURRIETA, CA, 92563
480-643-018	537 E FLORIDA AVE	HEMET	CA	92543	N/AVAIL	CA,
480-541-025	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	WINCHESTER, CA, 92596
480-541-006	1671 E MONTE VISTA AVE # N-214	VACAVILLE	CA	95688	31016 PINON PINE CIR	WINCHESTER, CA, 92596
480-541-007	31028 PINON PINE CIR	WINCHESTER	CA	92596	31028 PINON PINE CIR	WINCHESTER, CA, 92596
480-541-008	5452 WOODSIDE PL	ALTA LOMA	CA	91737	31040 PINON PINE CIR	WINCHESTER, CA, 92596
480-541-004	31031 PINON PINE CIR	WINCHESTER	CA	92596	31031 PINON PINE CIR	WINCHESTER, CA, 92596
480-541-005	31019 PINON PINE CIR	WINCHESTER	CA	92596	31019 PINON PINE CIR	WINCHESTER, CA, 92596
480-541-003	1671 E MONTE VISTA AVE # N-214	VACAVILLE	CA	95688	31043 PINON PINE CIR	WINCHESTER, CA, 92596
480-480-030	38770 SKY CANYON DR STE B	MURRIETA	CA	92563	N/AVAIL	WINCHESTER, CA, 92596
480-612-013	30952 SNOWBERRY LN	MURRIETA	CA	92563	30952 SNOWBERRY LN	MURRIETA, CA, 92563
480-612-014	30940 SNOWBERRY LN	MURRIETA	CA	92563	30940 SNOWBERRY LN	MURRIETA, CA, 92563
480-612-012	30964 SNOWBERRY LN	MURRIETA	CA	92563	30964 SNOWBERRY LN	MURRIETA, CA, 92563
480-612-011	35034 GOLDTHREAD LN	MURRIETA	CA	92563	35034 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-021	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-612-010	35046 GOLDTHREAD LN	MURRIETA	CA	92563	35046 GOLDTHREAD LN	MURRIETA, CA, 92563
480-611-022	30943 SNOWBERRY LN	MURRIETA	CA	92563	30943 SNOWBERRY LN	MURRIETA, CA, 92563
480-611-023	35061 GOLDTHREAD LN	MURRIETA	CA	92563	35061 GOLDTHREAD LN	MURRIETA, CA, 92563
480-611-024	35073 GOLDTHREAD LN	MURRIETA	CA	92563	35073 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-009	35058 GOLDTHREAD LN	MURRIETA	CA	92563	35058 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-007	35082 GOLDTHREAD LN	MURRIETA	CA	92563	35082 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-008	35070 GOLDTHREAD LN	MURRIETA	CA	92563	35070 GOLDTHREAD LN	MURRIETA, CA, 92563
480-480-028	38770 SKY CANYON DR STE B	MURRIETA	CA	92563	N/AVAIL	WINCHESTER, CA, 92596
480-480-027	35077 BOLA CT	WINCHESTER	CA	92596	35077 BOLA CT	WINCHESTER, CA, 92596
480-480-026	35063 BOLA CT	WINCHESTER	CA	92596	35063 BOLA CT	WINCHESTER, CA, 92596

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
480-480-025	35049 BOLA CT	WINCHESTER	CA	92596	35049 BOLA CT	WINCHESTER, CA, 92596
480-480-014	35114 BOLA CT	WINCHESTER	CA	92596	35114 BOLA CT	WINCHESTER, CA, 92596
480-480-016	35086 BOLA CT	WINCHESTER	CA	92596	35086 BOLA CT	WINCHESTER, CA, 92596
480-480-017	35072 BOLA CT	WINCHESTER	CA	92596	35072 BOLA CT	WINCHESTER, CA, 92596
480-480-015	35100 BOLA CT	WINCHESTER	CA	92596	35100 BOLA CT	WINCHESTER, CA, 92596
480-480-006	35095 LONE HILL CT	WINCHESTER	CA	92596	35095 LONE HILL CT	WINCHESTER, CA, 92596
480-611-025	350875 GOLDTHREAD LN	MURRIETA	CA	92563	35085 GOLDTHREAD LN	MURRIETA, CA, 92563
480-611-026	35097 GOLDTHREAD LN	MURRIETA	CA	92563	35097 GOLDTHREAD LN	MURRIETA, CA, 92563
480-611-027	35109 GOLDTHREAD LN	MURRIETA	CA	92563	35109 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-005	35106 GOLDTHREAD LN	MURRIETA	CA	92563	35106 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-006	35094 GOLDTHREAD LN	MURRIETA	CA	92563	35094 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-003	35130 GOLDTHREAD LN	MURRIETA	CA	92563	35130 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-004	35118 GOLDTHREAD LN	MURRIETA	CA	92563	35118 GOLDTHREAD LN	MURRIETA, CA, 92563
480-610-042	35133 GOLDTHREAD LN	MURRIETA	CA	92563	35133 GOLDTHREAD LN	MURRIETA, CA, 92563
480-610-043	35145 GOLDTHREAD LN	MURRIETA	CA	92563	35145 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-002	35142 GOLDTHREAD LN	MURRIETA	CA	92563	35142 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-001	35154 GOLDTHREAD LN	MURRIETA	CA	92563	35154 GOLDTHREAD LN	MURRIETA, CA, 92563
480-612-022	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-480-029	38770 SKY CANYON DR STE B	MURRIETA	CA	92563	N/AVAIL	WINCHESTER, CA, 92596
480-480-013	35128 BOLA CT	WINCHESTER	CA	92596	35128 BOLA CT	WINCHESTER, CA, 92596
480-480-012	35142 BOLA CT	WINCHESTER	CA	92596	35142 BOLA CT	WINCHESTER, CA, 92596
480-480-009	112 MATISSE CIR	ALISO VIEJO	CA	92656	31074 PINTAIL WAY	WINCHESTER, CA, 92596
480-480-007	35109 LONE HILL CT	WINCHESTER	CA	92596	35109 LONE HILL CT	WINCHESTER, CA, 92596
480-480-011	35156 BOLA CT	WINCHESTER	CA	92596	35156 BOLA CT	WINCHESTER, CA, 92596
480-480-010	35170 BOLA CT	WINCHESTER	CA	92596	35170 BOLA CT	WINCHESTER, CA, 92596
480-481-017	31051 PINTAIL WAY	WINCHESTER	CA	92596	31051 PINTAIL WAY	WINCHESTER, CA, 92596
480-481-018	31065 PINTAIL WAY	WINCHESTER	CA	92596	31065 PINTAIL WAY	WINCHESTER, CA, 92596
480-200-018	PO BOX 907	SAN JACINTO	CA	92581	N/AVAIL	WINCHESTER, CA, 92596
480-601-014	30938 PRAIRIE SUN WAY	MURRIETA	CA	92563	30938 PRAIRIE SUN WAY	MURRIETA, CA, 92563
480-602-001	35178 GOLDTHREAD LN	MURRIETA	CA	92563	35178 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-068	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-602-002	35190 GOLDTHREAD LN	MURRIETA	CA	92563	35190 GOLDTHREAD LN	MURRIETA, CA, 92563

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
480-602-003	35202 GOLDTHREAD LN	MURRIETA	CA	92563	35202 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-015	35205 GOLDTHREAD LN	MURRIETA	CA	92563	35205 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-013	35229 GOLDTHREAD LN	MURRIETA	CA	92563	35229 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-014	35217 GOLDTHREAD LN	MURRIETA	CA	92563	35217 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-004	35214 GOLDTHREAD LN	MURRIETA	CA	92563	35214 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-005	35226 GOLDTHREAD LN	MURRIETA	CA	92563	35226 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-006	35238 GOLDTHREAD LN	MURRIETA	CA	92563	35238 GOLDTHREAD LN	MURRIETA, CA, 92563
480-481-023	38770 SKY CANYON DR STE B	MURRIETA	CA	92563	31013 QUAIL GARDEN CT	WINCHESTER, CA, 92596
480-481-001	34875 POURROY RD APT 2206	WINCHESTER	CA	92596	35189 BOLA CT	WINCHESTER, CA, 92596
480-481-002	35203 BOLA CT	WINCHESTER	CA	92596	35203 BOLA CT	WINCHESTER, CA, 92596
480-481-003	35217 BOLA CT	WINCHESTER	CA	92596	35217 BOLA CT	WINCHESTER, CA, 92596
480-481-014	PO BOX 231	MURRIETA	CA	92564	31106 QUAIL GARDEN CT	WINCHESTER, CA, 92596
480-481-016	31022 QUAIL GARDEN CT	WINCHESTER	CA	92596	31022 QUAIL GARDEN CT	WINCHESTER, CA, 92596
480-481-004	35231 BOLA CT	WINCHESTER	CA	92596	35231 BOLA CT	WINCHESTER, CA, 92596
480-481-005	35245 BOLA CT	WINCHESTER	CA	92596	35245 BOLA CT	WINCHESTER, CA, 92596
480-481-024	PO BOX 907	SAN JACINTO	CA	92581	N/AVAIL	WINCHESTER, CA, 92596
480-602-010	35277 GOLDTHREAD LN	MURRIETA	CA	92563	35277 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-012	35241 GOLDTHREAD LN	MURRIETA	CA	92563	35241 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-011	35253 GOLDTHREAD LN	MURRIETA	CA	92563	35253 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-009	35274 GOLDTHREAD LN	MURRIETA	CA	92563	35274 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-007	1700 W LAS LANAS LN	FULLERTON	CA	92833	35250 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-008	35262 GOLDTHREAD LN	MURRIETA	CA	92563	35262 GOLDTHREAD LN	MURRIETA, CA, 92563
480-602-065	30924 OLYMPIA ROSE DR	MURRIETA	CA	92563	30924 OLYMPIA ROSE DR	MURRIETA, CA, 92563
480-602-066	30936 OLYMPIA ROSE DR	MURRIETA	CA	92563	30936 OLYMPIA ROSE DR	MURRIETA, CA, 92563
480-602-067	30948 OLYMPIA ROSE DR	MURRIETA	CA	92563	30948 OLYMPIA ROSE DR	MURRIETA, CA, 92563
480-582-004	35322 SUMMERHOLLY LN	MURRIETA	CA	92563	35322 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-200-004	31003 JANELLE LN	WINCHESTER	CA	92596	31003 JANELLE LN	WINCHESTER, CA, 92596
480-202-010	31010 JANELLE LN	WINCHESTER	CA	92596	31010 JANELLE LN	WINCHESTER, CA, 92596
480-220-039	PO BOX 907	SAN JACINTO	CA	92581	N/AVAIL	WINCHESTER, CA, 92596
480-581-032	35349 SUMMERHOLLY LN	MURRIETA	CA	92563	35349 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-581-033	35325 SUMMERHOLLY LN	MURRIETA	CA	92563	35325 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-581-031	35361 SUMMERHOLLY LN	MURRIETA	CA	92563	35361 SUMMERHOLLY LN	MURRIETA, CA, 92563

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
480-582-009	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-582-005	35334 SUMMERHOLLY LN	MURRIETA	CA	92563	35334 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-582-006	35346 SUMMERHOLLY LN	MURRIETA	CA	92563	35346 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-582-007	35358 SUMMERHOLLY LN	MURRIETA	CA	92563	35358 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-582-008	35370 SUMMERHOLLY LN	MURRIETA	CA	92563	35370 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-580-033	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-581-011	35385 SUMMERHOLLY LN	MURRIETA	CA	92563	35385 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-581-030	35373 SUMMERHOLLY LN	MURRIETA	CA	92563	35373 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-582-003	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-582-001	35382 SUMMERHOLLY LN	MURRIETA	CA	92563	35382 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-582-002	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-200-002	31027 JANELLE LN	WINCHESTER	CA	92596	31027 JANELLE LN	WINCHESTER, CA, 92596
480-200-003	31015 JANELLE LN	WINCHESTER	CA	92596	31015 JANELLE LN	WINCHESTER, CA, 92596
480-200-001	31039 JANELLE LN	WINCHESTER	CA	92596	31039 JANELLE LN	WINCHESTER, CA, 92596
480-202-009	31022 JANELLE LN	WINCHESTER	CA	92596	31022 JANELLE LN	WINCHESTER, CA, 92596
480-202-008	31034 JANELLE LN	WINCHESTER	CA	92596	31034 JANELLE LN	WINCHESTER, CA, 92596
480-222-001	31046 JANELLE LN	WINCHESTER	CA	92596	31046 JANELLE LN	WINCHESTER, CA, 92596
480-221-001	31063 JANELLE LN	WINCHESTER	CA	92596	31063 JANELLE LN	WINCHESTER, CA, 92596
480-221-002	31051 JANELLE LN	WINCHESTER	CA	92596	31051 JANELLE LN	WINCHESTER, CA, 92596
480-222-002	31058 JANELLE LN	WINCHESTER	CA	92596	31058 JANELLE LN	WINCHESTER, CA, 92596
480-222-003	31082 JANELLE LN	WINCHESTER	CA	92596	31082 JANELLE LN	WINCHESTER, CA, 92596
480-580-035	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-580-011	30950 STARFIRE CIR	MURRIETA	CA	92563	30950 STARFIRE CIR	MURRIETA, CA, 92563
480-580-012	30962 STARFIRE CIR	MURRIETA	CA	92563	30962 STARFIRE CIR	MURRIETA, CA, 92563
480-580-017	35442 SUMMERHOLLY LN	MURRIETA	CA	92563	35442 SUMMERHOLLY LN	MURRIETA, CA, 92563
480-580-013	30974 STARFIRE CIR	MURRIETA	CA	92563	30974 STARFIRE CIR	MURRIETA, CA, 92563
480-580-034	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-580-016	30953 STARFIRE CIR	MURRIETA	CA	92563	30953 STARFIRE CIR	MURRIETA, CA, 92563
480-580-015	30965 STARFIRE CIR	MURRIETA	CA	92563	30965 STARFIRE CIR	MURRIETA, CA, 92563
480-580-022	30946 GOLDEN ASTER CT	MURRIETA	CA	92563	30946 GOLDEN ASTER CT	MURRIETA, CA, 92563
480-580-023	30958 GOLDEN ASTER CT	MURRIETA	CA	92563	30958 GOLDEN ASTER CT	MURRIETA, CA, 92563
480-580-024	30970 GOLDEN ASTER CT	MURRIETA	CA	92563	30970 GOLDEN ASTER CT	MURRIETA, CA, 92563

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
480-580-014	30977 STARFIRE CIR	MURRIETA	CA	92563	30977 STARFIRE CIR	MURRIETA, CA, 92563
480-220-037	7916 VIA CALLENDO	CARLSBAD	CA	92009	31099 JANELLE LN	WINCHESTER, CA, 92596
480-220-038	31087 JANELLE LN	WINCHESTER	CA	92596	31087 JANELLE LN	WINCHESTER, CA, 92596
480-220-036	32234 DAISY DR	WINCHESTER	CA	92596	31111 JANELLE LN	WINCHESTER, CA, 92596
480-220-035	31123 JANELLE LN	WINCHESTER	CA	92596	31123 JANELLE LN	WINCHESTER, CA, 92596
480-220-021	35751 DATE PALM ST	WINCHESTER	CA	92596	35751 DATE PALM ST	WINCHESTER, CA, 92596
480-220-022	35739 DATE PALM ST	WINCHESTER	CA	92596	35739 DATE PALM ST	WINCHESTER, CA, 92596
480-220-034	3211 FUTURA PT	THOUSAND OAKS	CA	91362	31135 JANELLE LN	WINCHESTER, CA, 92596
480-220-023	35727 DATE PALM ST	WINCHESTER	CA	92596	35727 DATE PALM ST	WINCHESTER, CA, 92596
480-580-027	30949 GOLDEN ASTER CT	MURRIETA	CA	92563	30949 GOLDEN ASTER CT	MURRIETA, CA, 92563
480-580-002	30958 MOONFLOWER LN	MURRIETA	CA	92563	30958 MOONFLOWER LN	MURRIETA, CA, 92563
480-170-010	PO BOX 981623	PARK CITY	UT	84098	N/AVAIL	, CA, 92596
480-501-010	1 POLARIS WAY STE 100	ALISO VIEJO	CA	92656	N/AVAIL	MURRIETA, CA, 92563
480-501-005	35549 HAWKEYE ST	MURRIETA	CA	92563	35549 HAWKEYE ST	MURRIETA, CA, 92563
480-580-025	30973 GOLDEN ASTER CT	MURRIETA	CA	92563	30973 GOLDEN ASTER CT	MURRIETA, CA, 92563
480-580-036	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-580-026	30961 GOLDEN ASTER CT	MURRIETA	CA	92563	30961 GOLDEN ASTER CT	MURRIETA, CA, 92563
480-580-003	30970 MOONFLOWER LN	MURRIETA	CA	92563	30970 MOONFLOWER LN	MURRIETA, CA, 92563
480-580-010	29658 CAMINO PEPITA	MENIFEE	CA	92584	N/AVAIL	MURRIETA, CA, 92563
480-580-004	30982 MOONFLOWER LN	MURRIETA	CA	92563	30982 MOONFLOWER LN	MURRIETA, CA, 92563
480-220-020	35746 DATE PALM ST	WINCHESTER	CA	92596	35746 DATE PALM ST	WINCHESTER, CA, 92596
480-220-019	35734 DATE PALM ST	WINCHESTER	CA	92596	35734 DATE PALM ST	WINCHESTER, CA, 92596
480-220-007	31050 BONSAI CIR	WINCHESTER	CA	92596	31050 BONSAI CIR	WINCHESTER, CA, 92596
480-220-018	35722 DATE PALM ST	WINCHESTER	CA	92596	35722 DATE PALM ST	WINCHESTER, CA, 92596
480-220-005	31055 BONSAI CIR	WINCHESTER	CA	92596	31055 BONSAI CIR	WINCHESTER, CA, 92596
480-220-006	31038 BONSAI CIR	WINCHESTER	CA	92596	31038 BONSAI CIR	WINCHESTER, CA, 92596
480-220-008	31062 BONSAI CIR	WINCHESTER	CA	92596	31062 BONSAI CIR	WINCHESTER, CA, 92596
480-501-003	35573 HAWKEYE ST	MURRIETA	CA	92563	35573 HAWKEYE ST	MURRIETA, CA, 92563
480-501-009	12865 POINTE DEL MAR WAY STE 200	DEL MAR	CA	92014	N/AVAIL	MURRIETA, CA, 92563
480-501-001	35597 HAWKEYE ST	MURRIETA	CA	92563	35597 HAWKEYE ST	MURRIETA, CA, 92563
480-501-002	35585 HAWKEYE ST	MURRIETA	CA	92563	35585 HAWKEYE ST	MURRIETA, CA, 92563
480-501-004	35561 HAWKEYE ST	MURRIETA	CA	92563	35561 HAWKEYE ST	MURRIETA, CA, 92563

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
480-500-011	35621 HAWKEYE ST	MURRIETA	CA	92563	35621 HAWKEYE ST	MURRIETA, CA, 92563
480-501-008	12865 POINTE DEL MAR WAY STE 200	DEL MAR	CA	92014	N/AVAIL	MURRIETA, CA, 92563
480-500-013	12865 POINTE DEL MAR WAY STE 200	DEL MAR	CA	92014	N/AVAIL	MURRIETA, CA, 92563
480-502-001	35616 HAWKEYE ST	MURRIETA	CA	92563	35616 HAWKEYE ST	MURRIETA, CA, 92563
480-501-006	35580 HAWKEYE ST	MURRIETA	CA	92563	35580 HAWKEYE ST	MURRIETA, CA, 92563
480-501-007	35592 HAWKEYE ST	MURRIETA	CA	92563	35592 HAWKEYE ST	MURRIETA, CA, 92563
480-170-008	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	, CA, 92596
480-220-004	31067 BOSAI CIR	WINCHESTER	CA	92596	31067 BOSAI CIR	WINCHESTER, CA, 92596
480-220-003	31079 BOSAI CIR	WINCHESTER	CA	92596	31079 BOSAI CIR	WINCHESTER, CA, 92596
480-502-027	1 POLARIS WAY	ALISO VIEJO	CA	92656	N/AVAIL	MURRIETA, CA, 92563
480-502-002	35628 HAWKEYE ST	MURRIETA	CA	92563	35628 HAWKEYE ST	MURRIETA, CA, 92563
480-502-003	35640 HAWKEYE ST	MURRIETA	CA	92563	35640 HAWKEYE ST	MURRIETA, CA, 92563
480-502-014	35677 SWIFT FOX CT	MURRIETA	CA	92563	35677 SWIFT FOX CT	MURRIETA, CA, 92563
480-502-015	35672 SWIFT FOX CT	MURRIETA	CA	92563	35672 SWIFT FOX CT	MURRIETA, CA, 92563
480-502-016	35684 SWIFT FOX CT	MURRIETA	CA	92563	35684 SWIFT FOX CT	MURRIETA, CA, 92563
480-502-011	30940 BALD EAGLE ST	MURRIETA	CA	92563	30940 BALD EAGLE ST	MURRIETA, CA, 92563
480-502-013	4454 FORRESTER ST	WAHIAWA	HI	96786	35689 SWIFT FOX CT	MURRIETA, CA, 92563
480-502-012	35701 SWIFT FOX CT	MURRIETA	CA	92563	35701 SWIFT FOX CT	MURRIETA, CA, 92563
480-502-017	35696 SWIFT FOX CT	MURRIETA	CA	92563	35696 SWIFT FOX CT	MURRIETA, CA, 92563
480-502-018	UNIT 3470 BOX 531	DPO	AA	34041	35708 SWIFT FOX CT	MURRIETA, CA, 92563
480-502-019	35720 SWIFT FOX CT	MURRIETA	CA	92563	35720 SWIFT FOX CT	MURRIETA, CA, 92563
480-502-023	30945 BALD EAGLE ST	MURRIETA	CA	92563	30945 BALD EAGLE ST	MURRIETA, CA, 92563
480-502-024	30933 BALD EAGLE ST	MURRIETA	CA	92563	30933 BALD EAGLE ST	MURRIETA, CA, 92563
480-502-022	30957 BALD EAGLE ST	MURRIETA	CA	92563	30957 BALD EAGLE ST	MURRIETA, CA, 92563
480-502-020	30981 BALD EAGLE ST	MURRIETA	CA	92563	30981 BALD EAGLE ST	MURRIETA, CA, 92563
480-502-021	30969 BALD EAGLE ST	MURRIETA	CA	92563	30969 BALD EAGLE ST	MURRIETA, CA, 92563
963-450-012	PO BOX 790830	SAN ANTONIO	TX	78279	N/AVAIL	, CA, 92596
963-450-018	PO BOX 790830	SAN ANTONIO	TX	78279	N/AVAIL	, CA, 92596
480-170-002	31401 CAMINO CAPISTRANO STE 1	SAN JUAN CAPO	CA	92675	N/AVAIL	, CA, 92596
480-100-061	41309 AVENIDA BIONA	TEMECULA	CA	92591	N/AVAIL	MURRIETA, CA, 92563
963-060-052	PO BOX 1175	SAN JUAN CAPO	CA	92693	N/AVAIL	MURRIETA, CA, 92563
963-060-032	505 SANSOME ST STE 1575	SAN FRANCISCO	CA	94111	N/AVAIL	MURRIETA, CA, 92563

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
963-060-051	PO BOX 1175	SAN JUAN CAPO	CA	92693	N/AVAIL	MURRIETA, CA, 92563
963-060-021	1900 QUAIL ST	NEWPORT BEACH	CA	92660	N/AVAIL	MURRIETA, CA, 92563
963-100-004	1900 QUAIL ST	NEWPORT BEACH	CA	92660	N/AVAIL	WINCHESTER, CA, 92596
963-010-001	FRENCH VALLEY TOWNE CTR # 1	SAN JUAN CAPO	CA	92675	N/AVAIL	CA,
963-070-024	484 PROSPECT ST	LA JOLLA	CA	92037	30951 BENTON RD	WINCHESTER, CA, 92596
963-010-002	FRENCH VALLEY TOWNE CTR # 1	SAN JUAN CAPO	CA	92675	N/AVAIL	CA,
963-010-003	FRENCH VALLEY TOWNE CTR # 1	SAN JUAN CAPO	CA	92675	N/AVAIL	CA,
963-010-004	FRENCH VALLEY TOWNE CTR # 1	SAN JUAN CAPO	CA	92675	N/AVAIL	CA,
963-080-002	515 S FIGUEROA ST STE 1028	LOS ANGELES	CA	90071	N/AVAIL	MURRIETA, CA, 92563
963-010-005	PO BOX 1175	SAN JUAN CAPISTRANO	CA	92693	N/AVAIL	CA,
963-070-025	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	MURRIETA, CA, 92563
963-080-013	PO BOX 1180	RIVERSIDE	CA	92502	N/AVAIL	MURRIETA, CA, 92563
963-040-001	6040 S DURANGO DR STE 105	LAS VEGAS	NV	89113	N/AVAIL	WINCHESTER, CA, 92596
963-040-017	5021 E BEAR MOUNTAIN BLVD	BAKERSFIELD	CA	93307	N/AVAIL	MURRIETA, CA, 92563
963-040-002	PO BOX 875	JOLON	CA	93928	31095 AULD RD	MURRIETA, CA, 92563
963-040-016	15935 MOUNT JACKSON ST	FOUNTAIN VALLEY	CA	92708	N/AVAIL	MURRIETA, CA, 92563
963-050-001	31045 VAN GAALE LN	MURRIETA	CA	92563	31045 VAN GAALE LN	MURRIETA, CA, 92563
963-050-002	28880 VIA NORTE VIS	MURRIETA	CA	92563	N/AVAIL	MURRIETA, CA, 92563
963-080-008	PO BOX 667	WOODLAND HILLS	CA	91365	N/AVAIL	MURRIETA, CA, 92563
963-050-016	37430 LEON RD	MURRIETA	CA	92563	37430 LEON RD	MURRIETA, CA, 92563
963-050-015	36687 VAN GAALE LN	WINCHESTER	CA	92596	31090 ALLEN ST	MURRIETA, CA, 92563
964-080-001	17775 LONG HOLLOW RD # KD	CORNING	CA	96021	37615 LEON RD	MURRIETA, CA, 92563
963-080-009	27431 ENTERPRISE CIR W	TEMECULA	CA	92590	30820 BOREL RD	MURRIETA, CA, 92563
963-080-012	37760 BOREL RD	MURRIETA	CA	92563	N/AVAIL	MURRIETA, CA, 92563
964-080-002	37760 BOREL RD	MURRIETA	CA	92563	37760 BOREL RD	MURRIETA, CA, 92563
957-320-006	11350 MCCORMICK RD # 200	HUNT VALLEY	MD	21031	N/AVAIL	CA,
964-540-064	980 MONTECITO DR # 302	CORONA	CA	92879	N/AVAIL	MURRIETA, CA, 92563
957-320-007	PO BOX 9017	TEMECULA	CA	92589	N/AVAIL	CA,
964-540-063	980 MONTECITO DR # 302	CORONA	CA	92879	N/AVAIL	MURRIETA, CA, 92563
964-540-048	38019 TURNING LEAF CT	MURRIETA	CA	92563	38019 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-049	38009 TURNING LEAF CT	MURRIETA	CA	92563	38009 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-046	38039 TURNING LEAF CT	MURRIETA	CA	92563	38039 TURNING LEAF CT	MURRIETA, CA, 92563

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
964-540-047	38029 TURNIN LEAF CT	MURRIETA	CA	92563	38029 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-005	31019 ROSE ARBOR DR	MURRIETA	CA	92563	31019 ROSE ARBOR CT	MURRIETA, CA, 92563
964-541-006	38010 TURNING LEAF CT	MURRIETA	CA	92563	38010 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-007	38020 TURNING LEAF CT	MURRIETA	CA	92563	38029 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-008	38030 TURNING LEAF CT	MURRIETA	CA	92563	38030 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-009	38040 TURNING LEAF CT	MURRIETA	CA	92563	38040 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-045	38049 TURNING LEAF CT	MURRIETA	CA	92563	38049 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-042	38079 TURNING LEAF CT	MURRIETA	CA	92563	38079 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-043	3806 TURNING LEAF CT	MURRIETA	CA	92563	38069 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-044	38059 TURNING LEAF CT	MURRIETA	CA	92563	38059 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-010	16896 LOLO CIR	FOUNTAIN VALLEY	CA	92708	38050 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-011	38060 TURNING LEAF CT	MURRIETA	CA	92563	38060 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-012	38070 TURNING LEAF CT	MURRIETA	CA	92563	38070 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-013	PO BOX 35	TISDALE SK SOE-1TO CANADA	N/AVAIL	N/AVAIL	38080 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-040	38099 TURNING LEAF CT	MURRIETA	CA	92563	38099 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-041	38089 TURNING LEAF CT	MURRIETA	CA	92563	38089 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-038	3849 TURNING LEAF CT	MURRIETA	CA	92563	38119 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-039	38109 TURNING LEAF CT	MURRIETA	CA	92563	38109 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-014	31008 OLD CYPRESS DR	MURRIETA	CA	92563	31008 OLD CYPRESS DR	MURRIETA, CA, 92563
964-541-015	31018 OLD CYPRESS DR	MURRIETA	CA	92563	31018 OLD CYPRESS DR	MURRIETA, CA, 92563
964-541-016	31028 OLD CYPRESS DR	MURRIETA	CA	92563	31028 OLD CYPRESS DR	MURRIETA, CA, 92563
964-540-029	38120 TURNING LEAF CT	MURRIETA	CA	92563	38120 TURNING LEAF CT	MURRIETA, CA, 92563
964-541-028	31018 OLIVE KNOLL CT	MURRIETA	CA	92563	31018 OLIVE KNOLL CT	MURRIETA, CA, 92563
964-541-027	31009 OLIVE KNOLL CT	MURRIETA	CA	92563	31009 OLIVE KNOLL CT	MURRIETA, CA, 92563
964-541-026	31068 OLD CYPRESS DR	MURRIETA	CA	92563	31019 OLIVE KNOLL CT	MURRIETA, CA, 92563
964-540-028	PO BOX 890783	TEMECULA	CA	92589	38121 SUMMER RIDGE DR	MURRIETA, CA, 92563
964-540-034	38159 TURNING LEAF CT	MURRIETA	CA	92563	38159 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-036	38139 TURNING LEAF CT	MURRIETA	CA	92563	38139 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-037	38129 TURNING LEAF CT	MURRIETA	CA	92563	38129 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-035	38149 TURNING LEAF CT	MURRIETA	CA	92563	38149 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-032	26 ROSINGS	MISSION VIEJO	CA	92692	38150 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-030	38130 TURNING LEAF CT	MURRIETA	CA	92563	38130 TURNING LEAF CT	MURRIETA, CA, 92563

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

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964-540-031	38140 TURNING LEAF CT	MURRIETA	CA	92563	38140 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-033	38160 TURNING LEAF CT	MURRIETA	CA	92563	38160 TURNING LEAF CT	MURRIETA, CA, 92563
964-540-012	31018 WATERTON CT	MURRIETA	CA	92563	31018 WATERTON CT	MURRIETA, CA, 92563
964-540-013	31028 WATERTON CT	MURRIETA	CA	92563	31028 WATERTON CT	MURRIETA, CA, 92563
964-540-014	31038 WATERTON CT	MURRIETA	CA	92563	31038 WATERTON CT	MURRIETA, CA, 92563
964-540-015	31048 WATERTON CT	MURRIETA	CA	92563	N/AVAIL	MURRIETA, CA, 92563
964-540-016	31 MOUNT CHRISTIE CT	PORT LUDLOW	WA	98365	31058 WATERTON CT	MURRIETA, CA, 92563
964-540-057	980 MONTECITO DR # 302	CORONA	CA	92879	N/AVAIL	MURRIETA, CA, 92563
964-540-059	17800 CASTLETON ST STE 200	CITY OF INDUSTRY	CA	91748	N/AVAIL	MURRIETA, CA, 92563
964-540-008	31037 WATERTON CT	MURRIETA	CA	92563	31037 WATERTON CT	MURRIETA, CA, 92563
964-540-009	31027 WATERTON CT	MURRIETA	CA	92563	31027 WATERTON CT	MURRIETA, CA, 92563
964-540-007	31047 WATERTON CT	MURRIETA	CA	92563	31047 WATERTON CT	MURRIETA, CA, 92563
964-251-009	31032 ROSE CIR	MURRIETA	CA	92563	31032 ROSE CIR	MURRIETA, CA, 92563
964-251-010	31042 ROSE CIR	MURRIETA	CA	92563	31042 ROSE CIR	MURRIETA, CA, 92563
964-251-011	31052 ROSE CIR	MURRIETA	CA	92563	31052 ROSE CIR	MURRIETA, CA, 92563
964-251-012	31062 ROSE CIR	MURRIETA	CA	92563	31062 ROSE CIR	MURRIETA, CA, 92563
964-540-027	38131 SUMMER RIDGE DR	MURRIETA	CA	92563	38131 SUMMER RIDGE DR	MURRIETA, CA, 92563
957-640-018	27101 PUERTA REAL STE 300	MISSION VIEJO	CA	92691	N/AVAIL	MURRIETA, CA, 92563
957-640-009	30850 MCGOWANS PASS	MURRIETA	CA	92563	30850 MCGOWANS PASS	MURRIETA, CA, 92563
957-640-008	30862 MCGOWANS PASS	MURRIETA	CA	92563	30862 MCGOWANS PASS	MURRIETA, CA, 92563
957-630-023	30840 LILAC DR	MURRIETA	CA	92563	30840 LILAC DR	MURRIETA, CA, 92563
957-640-007	1661 HANOVER RD STE 211	CITY OF INDUSTRY	CA	91748	30855 MCGOWANS PASS	MURRIETA, CA, 92563
957-640-006	30843 MCGOWANS PASS	MURRIETA	CA	92563	30843 MCGOWANS PASS	MURRIETA, CA, 92563
964-251-016	27101 PUERTA REAL STE 300	MISSION VIEJO	CA	92691	38311 WHISPER OAKS RD	MURRIETA, CA, 92563
964-251-008	31027 ROSE CIR	MURRIETA	CA	92563	31027 ROSE CIR	MURRIETA, CA, 92563
964-251-006	31047 ROSE CIR	MURRIETA	CA	92563	31047 ROSE CIR	MURRIETA, CA, 92563
964-251-007	23316 EAGLE RDG	MISSION VIEJO	CA	92692	31037 ROSE CIR	MURRIETA, CA, 92563
964-251-018	31020 HIDDEN LAKE RD	MURRIETA	CA	92563	31020 HIDDEN LAKE RD	MURRIETA, CA, 92563
964-251-019	223 GENOA ST	ARCADIA	CA	91006	31040 HIDDEN LAKE RD	MURRIETA, CA, 92563
964-251-017	31025 HIDDEN LAKE RD	MURRIETA	CA	92563	31025 HIDDEN LAKE RD	MURRIETA, CA, 92563
964-140-006	980 MONTECITO DR # 302	CORONA	CA	92879	N/AVAIL	MURRIETA, CA, 92563
957-350-012	27101 PUERTA REAL STE 300	MISSION VIEJO	CA	92691	N/AVAIL	MURRIETA, CA, 92563

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
957-630-029	27349 JEFFERSON AVE STE 101	TEMECULA	CA	92590	N/AVAIL	MURRIETA, CA, 92563
957-630-022	30852 LILAC DR	MURRIETA	CA	92563	30852 LILAC DR	MURRIETA, CA, 92563
957-630-020	30833 LILAC DR	MURRIETA	CA	92563	30833 LILAC DR	MURRIETA, CA, 92563
957-630-021	PO BOX 3265	DANA POINT	CA	92629	30845 LILAC DR	MURRIETA, CA, 92563
957-630-007	30859 WISTERIA LN	MURRIETA	CA	92563	30859 WISTERIA LN	MURRIETA, CA, 92563
957-630-008	30842 WISTERIA LN	MURRIETA	CA	92563	30842 WISTERIA LN	MURRIETA, CA, 92563
957-620-003	30844 E GREEN DR	MURRIETA	CA	92563	30844 E GREEN DR	MURRIETA, CA, 92563
957-630-006	30847 WISTERIA LN	MURRIETA	CA	92563	30847 WISTERIA LN	MURRIETA, CA, 92563
957-630-005	30835 WISTERIA LN	MURRIETA	CA	92563	30835 WISTERIA LN	MURRIETA, CA, 92563
957-620-004	30832 E GREEN DR	MURRIETA	CA	92563	30832 E GREEN DR	MURRIETA, CA, 92563
957-620-011	27349 JEFFERSON AVE STE 101	TEMECULA	CA	92590	N/AVAIL	MURRIETA, CA, 92563
957-620-002	30856 E GREEN DR	MURRIETA	CA	92563	30856 E GREEN DR	MURRIETA, CA, 92563
957-620-001	30868 E GREEN DR	MURRIETA	CA	92563	30868 E GREEN DR	MURRIETA, CA, 92563
957-610-001	30888 CENTRAL PARK DR	MURRIETA	CA	92563	30888 CENTRAL PARK DR	MURRIETA, CA, 92563
957-610-002	30896 CENTRAL PARK DR	MURRIETA	CA	92563	30896 CENTRAL PARK DR	MURRIETA, CA, 92563
957-610-003	30904 CENTRAL PARK DR	MURRIETA	CA	92563	30904 CENTRAL PARK DR	MURRIETA, CA, 92563
957-522-012	27101 PUERTA REAL STE 300	MISSION VIEJO	CA	92691	30893 BOW BRIDGE DR	MURRIETA, CA, 92563
957-611-010	27101 PUERTA REAL STE 300	MISSION VIEJO	CA	92691	N/AVAIL	MURRIETA, CA, 92563
957-522-002	38822 SUGAR PINE WAY	MURRIETA	CA	92563	38822 SUGAR PINE WAY	MURRIETA, CA, 92563
957-522-001	30881 CENTRAL PARK DR	MURRIETA	CA	92563	30881 CENTRAL PARK DR	MURRIETA, CA, 92563
957-522-004	38846 SUGAR PINE WAY	MURRIETA	CA	92563	38846 SUGAR PINE WAY	MURRIETA, CA, 92563
957-522-003	38834 SUGAR PINE WAY	MURRIETA	CA	92563	38834 SUGAR PINE WAY	MURRIETA, CA, 92563
957-522-005	38858 SUGAR PINE WAY	MURRIETA	CA	92563	38858 SUGAR PINE WAY	MURRIETA, CA, 92563
957-611-001	38811 SUMMIT ROCK LN	MURRIETA	CA	92563	38811 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-611-002	38835 SUMMIT ROCK LN	MURRIETA	CA	92563	38835 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-611-003	38847 SUMMIT ROCK LN	MURRIETA	CA	92563	38847 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-611-004	38859 SUMMIT ROCK LN	MURRIETA	CA	92563	38859 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-611-005	38871 SUMMIT ROCK LN	MURRIETA	CA	92563	38871 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-522-006	38870 SUGAR PINE WAY	MURRIETA	CA	92563	38870 SUGAR PINE WAY	MURRIETA, CA, 92563
957-522-007	38882 SUGAR PINE WAY	MURRIETA	CA	92563	38882 SUGAR PINE WAY	MURRIETA, CA, 92563
957-522-008	38894 SUGAR PINE WAY	MURRIETA	CA	92563	38894 SUGAR PINE WAY	MURRIETA, CA, 92563
957-522-009	35693 ABELIA ST	MURRIETA	CA	92562	38906 SUGAR PINE WAY	MURRIETA, CA, 92563

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
957-522-010	38918 SUGAR PINE WAY	MURRIETA	CA	92563	38918 SUGAR PINE WAY	MURRIETA, CA, 92563
957-611-011	38883 SUMMIT ROCK LN	MURRIETA	CA	92563	38883 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-611-012	22682 BARLOVENTO	MISSION VIEJO	CA	92692	38895 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-611-008	38907 SUMMIT ROCK LN	MURRIETA	CA	92563	38907 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-611-009	38919 SUMMIT ROCK LN	MURRIETA	CA	92563	38919 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-610-022	27101 PUERTA REAL STE 300	MISSION VIEJO	CA	92691	N/AVAIL	MURRIETA, CA, 92563
957-610-004	30909 CENTRAL PARK DR	MURRIETA	CA	92563	30909 CENTRAL PARK DR	MURRIETA, CA, 92563
957-610-021	38840 SUMMIT ROCK LN	MURRIETA	CA	92563	38840 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-610-018	38876 SUMMIT ROCK LN	MURRIETA	CA	92563	38876 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-610-019	38864 SUMMIT ROCK LN	MURRIETA	CA	92563	38864 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-610-020	38852 SUMMIT ROCK LN	MURRIETA	CA	92563	38852 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-610-015	2301 E 4TH ST	LONG BEACH	CA	90814	38912 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-610-016	38900 SUMMIT ROCK LN	MURRIETA	CA	92563	38900 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-610-017	38888 SUMMIT ROCK LN	MURRIETA	CA	92563	38888 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-610-014	38924 SUMMIT ROCK LN	MURRIETA	CA	92563	38924 SUMMIT ROCK LN	MURRIETA, CA, 92563
957-510-015	27101 PUERTA REAL STE 300	MISSION VIEJO	CA	92691	N/AVAIL	MURRIETA, CA, 92563
957-510-002	43020 BLACK DEER LOOP STE 202	TEMECULA	CA	92590	30871 BOW BRIDGE DR	MURRIETA, CA, 92563
957-522-011	38930 SUGAR PINE WAY	MURRIETA	CA	92563	38930 SUGAR PINE WAY	MURRIETA, CA, 92563
957-510-016	27101 PUERTA REAL STE 300	MISSION VIEJO	CA	92691	30761 BOW BRIDGE DR	MURRIETA, CA, 92563
957-510-001	30883 BOW BRIDGE DR	MURRIETA	CA	92563	30883 BOW BRIDGE DR	MURRIETA, CA, 92563
957-663-001	PO BOX 1890	GARDEN GROVE	CA	92842	N/AVAIL	CA,
957-661-002	30866 SANDPIPER LN	TEMECULA	CA	92591	30866 SANDPIPER LN	TEMECULA, CA, 92591
957-661-003	30876 SANDPIPER LN	TEMECULA	CA	92591	30876 SANDPIPER LN	TEMECULA, CA, 92591
957-661-004	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	39166 SHREE RD	TEMECULA, CA, 92591
957-661-005	39176 SHREE RD	TEMECULA	CA	92591	39176 SHREE RD	TEMECULA, CA, 92591
957-610-023	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	MURRIETA, CA, 92563
957-662-009	30982 SANJAY CT	TEMECULA	CA	92591	30982 SANJAY CT	TEMECULA, CA, 92591
957-662-010	30972 SANJAY CT	TEMECULA	CA	92591	30972 SANJAY CT	TEMECULA, CA, 92591
957-662-011	30962 SANJAY CT	TEMECULA	CA	92591	30962 SANJAY CT	TEMECULA, CA, 92591
957-662-008	30992 SANJAY CT	TEMECULA	CA	92591	30992 SANJAY CT	TEMECULA, CA, 92591
957-662-004	39150 CHANDLER DR	TEMECULA	CA	92591	39150 CHANDLER DR	TEMECULA, CA, 92591
957-662-006	30977 SANJAY CT	TEMECULA	CA	92591	30977 SANJAY CT	TEMECULA, CA, 92591

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
957-662-007	PO BOX 14726	LAS VEGAS	NV	89114	30987 SANJAY CT	TEMECULA, CA, 92591
957-662-005	30967 SANJAY CT	TEMECULA	CA	92591	30967 SANJAY CT	TEMECULA, CA, 92591
957-661-010	42430 WINCHESTER RD	TEMECULA	CA	92590	39156 SHREE RD	TEMECULA, CA, 92591
957-662-003	39170 CHANDLER DR	TEMECULA	CA	92591	39170 CHANDLER DR	TEMECULA, CA, 92591
957-662-002	39180 CHANDLER DR	TEMECULA	CA	92591	39180 CHANDLER DR	TEMECULA, CA, 92591
957-661-006	39186 SHREE RD	TEMECULA	CA	92591	39186 SHREE RD	TEMECULA, CA, 92591
957-661-007	39196 SHREE RD	TEMECULA	CA	92591	39196 SHREE RD	TEMECULA, CA, 92591
957-661-008	39206 SHREE RD	TEMECULA	CA	92591	39206 SHREE RD	TEMECULA, CA, 92591
957-662-001	1519 PROSPECT AVE APT E	SAN GABRIEL	CA	91776	39190 CHANDLER DR	TEMECULA, CA, 92591
957-661-009	39216 SHREE RD	TEMECULA	CA	92591	39216 SHREE RD	TEMECULA, CA, 92591
957-650-022	39236 SHREE RD	TEMECULA	CA	92591	39236 SHREE RD	TEMECULA, CA, 92591
957-650-019	39276 SHREE RD	TEMECULA	CA	92591	39276 SHREE RD	TEMECULA, CA, 92591
957-650-020	39266 SHREE RD	TEMECULA	CA	92591	39266 SHREE RD	TEMECULA, CA, 92591
957-650-021	39256 SHREE RD	TEMECULA	CA	92591	39256 SHREE RD	TEMECULA, CA, 92591
957751037	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL
957751050	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL
957751035	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL
957751036	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL
957751038	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL
957751039	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL
957751040	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL
957751041	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL
957340068	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL
957-072-032	PO BOX 9033	TEMECULA	CA	92589	N/AVAIL	TEMECULA, CA, 92591
957-650-023	26201 YNEZ RD STE 104	TEMECULA	CA	92591	N/AVAIL	TEMECULA, CA, 92591
957-340-038	PO BOX 745	MURRIETA	CA	92564	N/AVAIL	TEMECULA, CA, 92591
957-340-042	39421 LIEFER RD	TEMECULA	CA	92591	39421 LIEFER RD	TEMECULA, CA, 92591
957-650-015	39316 SHREE RD	TEMECULA	CA	92591	39316 SHREE RD	TEMECULA, CA, 92591
957-650-016	39306 SHREE RD	TEMECULA	CA	92591	39306 SHREE RD	TEMECULA, CA, 92591
957-650-017	39296 SHREE RD	TEMECULA	CA	92591	39296 SHREE RD	TEMECULA, CA, 92591
957-650-018	39286 SHREE RD	TEMECULA	CA	92591	39286 SHREE RD	TEMECULA, CA, 92591
957-650-012	39346 SHREE RD	TEMECULA	CA	92591	39346 SHREE RD	TEMECULA, CA, 92591

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
957-650-013	39336 SHREE RD	TEMECULA	CA	92591	39336 SHREE RD	TEMECULA, CA, 92591
957-650-014	39326 SHREE RD	TEMECULA	CA	92591	39326 SHREE RD	TEMECULA, CA, 92591
957-650-011	39356 SHREE RD	TEMECULA	CA	92591	39356 SHREE RD	TEMECULA, CA, 92591
957-650-009	888 E WALNUT ST	PASADENA	CA	91101	39376 SHREE RD	TEMECULA, CA, 92591
957-650-010	39366 SHREE RD	TEMECULA	CA	92591	39366 SHREE RD	TEMECULA, CA, 92591
957-650-006	30913 SONIA LN	TEMECULA	CA	92591	30913 SONIA LN	TEMECULA, CA, 92591
957-650-008	39386 SHREE RD	TEMECULA	CA	92591	39386 SHREE RD	TEMECULA, CA, 92591
957-650-005	30903 SONIA LN	TEMECULA	CA	92591	30903 SONIA LN	TEMECULA, CA, 92591
957-650-007	39396 SHREE RD	TEMECULA	CA	92591	39396 SHREE RD	TEMECULA, CA, 92591
957-340-043	39515 LIEFER RD	TEMECULA	CA	92591	39515 LIEFER RD	TEMECULA, CA, 92591
957-340-045	PO BOX 873	TEMECULA	CA	92593	39519 LIEFER RD	TEMECULA, CA, 92591
957-072-019	30932 ANDREWS WAY	TEMECULA	CA	92591	30932 ANDREWS WAY	TEMECULA, CA, 92591
957-072-018	39444 DIEGO DR	TEMECULA	CA	92591	39444 DIEGO DR	TEMECULA, CA, 92591
957-072-017	39456 DIEGO DR	TEMECULA	CA	92591	39456 DIEGO DR	TEMECULA, CA, 92591
957-072-015	39480 DIEGO DR	TEMECULA	CA	92591	39480 DIEGO DR	TEMECULA, CA, 92591
957-072-016	39468 DIEGO DR	TEMECULA	CA	92591	39468 DIEGO DR	TEMECULA, CA, 92591
957-340-044	39511 LIEFER RD	TEMECULA	CA	92591	39511 LIEFER RD	TEMECULA, CA, 92591
957-072-014	39492 DIEGO DR	TEMECULA	CA	92591	39492 DIEGO DR	TEMECULA, CA, 92591
957-072-012	39516 DIEGO DR	TEMECULA	CA	92591	39516 DIEGO DR	TEMECULA, CA, 92591
957-072-013	39504 DIEGO DR	TEMECULA	CA	92591	39504 DIEGO DR	TEMECULA, CA, 92591
957-072-011	39528 DIEGO DR	TEMECULA	CA	92591	39528 DIEGO DR	TEMECULA, CA, 92591
957-072-009	39552 DIEGO DR	TEMECULA	CA	92591	39552 DIEGO DR	TEMECULA, CA, 92591
957-072-010	39540 DIEGO DR	TEMECULA	CA	92591	39540 DIEGO DR	TEMECULA, CA, 92591
957-080-014	N/AVAIL	N/AVAIL	N/AVAIL	N/AVAIL	39850 SERAPHINA RD	TEMECULA, CA, 92591
957-140-001	2447 29TH ST	SANTA MONICA	CA	90405	39525 LIEFER RD	TEMECULA, CA, 92591
957-140-004	39633 LIEFER RD	TEMECULA	CA	92591	39633 LIEFER RD	TEMECULA, CA, 92591
957-072-007	39576 DIEGO DR	TEMECULA	CA	92591	39576 DIEGO DR	TEMECULA, CA, 92591
957-072-008	39564 DIEGO DR	TEMECULA	CA	92591	39564 DIEGO DR	TEMECULA, CA, 92591
957-072-006	39588 DIEGO DR	TEMECULA	CA	92591	39588 DIEGO DR	TEMECULA, CA, 92591
957-072-004	39612 DIEGO DR	TEMECULA	CA	92591	39612 DIEGO DR	TEMECULA, CA, 92591
957-072-005	39600 DIEGO DR	TEMECULA	CA	92591	39600 DIEGO DR	TEMECULA, CA, 92591
957-072-002	39640 DIEGO DR	TEMECULA	CA	92591	39640 DIEGO DR	TEMECULA, CA, 92591

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
957-072-003	39626 DIEGO DR	TEMECULA	CA	92591	39626 DIEGO DR	TEMECULA, CA, 92591
957-140-002	39600 GATLIN ST	TEMECULA	CA	92591	39600 GATLIN ST	TEMECULA, CA, 92591
957-072-001	39654 DIEGO DR	TEMECULA	CA	92591	39654 DIEGO DR	TEMECULA, CA, 92591
957-080-017	PO BOX 1136	TEMECULA	CA	92593	N/AVAIL	TEMECULA, CA, 92591
957-140-006	31041 NICOLAS RD	TEMECULA	CA	92591	31041 NICOLAS RD	TEMECULA, CA, 92591
957-140-005	31050 NICOLAS RD	TEMECULA	CA	92591	31050 NICOLAS RD	TEMECULA, CA, 92591
964-080-003	37760 BOREL RD	MURRIETA	CA	92563	N/AVAIL	MURRIETA, CA, 92563
957-340-055	9740 APPALOOSA RD STE 130	SAN DIEGO	CA	92131	N/AVAIL	TEMECULA, CA, 92591
957-080-016	PO BOX 1136	TEMECULA	CA	92593	30885 NICOLAS RD	TEMECULA, CA, 92591
331-270-004	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	CA, 92585
331-230-003	PO BOX 800	ROSEMEAD	CA	91770	N/AVAIL	ROMOLAND, CA, 92585
331-260-009	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	SUN CITY, CA, 92585
331-250-021	6270 CHADBOURNE AVE	RIVERSIDE	CA	92505	N/AVAIL	ROMOLAND, CA, 92585
331-250-022	2131 WALNUT GROVE AVE # 2FLR	ROSEMEAD	CA	91770	N/AVAIL	ROMOLAND, CA, 92585
331-260-008	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	SUN CITY, CA, 92585
331-300-002	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	ROMOLAND, CA, 92585
331-300-007	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	ROMOLAND, CA, 92585
331-290-004	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	CA, 92585
331-280-005	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	CA, 92585
331-300-004	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	ROMOLAND, CA, 92585
331-300-005	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	ROMOLAND, CA, 92585
333-170-005	PO BOX 12008	RIVERSIDE	CA	92502	N/AVAIL	CA, 92585
333-170-012	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	CA, 92585
333-170-013	1157 SPRUCE ST	RIVERSIDE	CA	92507	N/AVAIL	CA, 92585
459-020-069	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	HOMELAND, CA, 92548
459-311-029	30071 MOUNT MENIFEE ST	ROMOLAND	CA	92585	30071 MOUNT MENIFEE ST	ROMOLAND, CA, 92585
459-311-030	25020 CALIFORNIA AVE	HEMET	CA	92545	30061 MOUNT MENIFEE ST	ROMOLAND, CA, 92585
459-311-031	30066 DIAMOND RIDGE CT	SUN CITY	CA	92585	30066 DIAMOND RIDGE CT	ROMOLAND, CA, 92585
459-311-032	110 N LINCOLN AVE STE 100	CORONA	CA	92882	30076 DIAMOND RIDGE CT	ROMOLAND, CA, 92585
459-311-047	4340 VON KARMAN AVE STE 110	NEWPORT BEACH	CA	92660	30073 DIAMOND RIDGE CT	ROMOLAND, CA, 92585
459-311-048	30063 DIAMOND RIDGE CT	ROMOLAND	CA	92585	30063 DIAMOND RIDGE CT	ROMOLAND, CA, 92585
459-311-001	30068 HARDROCK DR	MENIFEE	CA	92585	30068 HARDROCK DR	ROMOLAND, CA, 92585

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
459-311-002	30078 HARDROCK DR	SUN CITY	CA	92585	30078 HARDROCK DR	ROMOLAND, CA, 92585
459-310-022	30075 HARDROCK DR	ROMOLAND	CA	92585	30075 HARDROCK DR	ROMOLAND, CA, 92585
459-310-023	30065 HARDROCK DR	MENIFEE	CA	92585	30065 HARDROCK DR	ROMOLAND, CA, 92585
459-030-010	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	N/AVAIL	HOMELAND, CA, 92548
461-020-004	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	26825 EMPEROR RD	HOMELAND, CA, 92548
461-020-006	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	N/AVAIL	HOMELAND, CA, 92548
459-310-051	11870 PIERCE ST STE 250	RIVERSIDE	CA	92505	30060 PINE NEEDLE RD	ROMOLAND, CA, 92585
459-320-001	11870 PIERCE ST STE 250	RIVERSIDE	CA	92505	30057 PINE NEEDLE RD	ROMOLAND, CA, 92585
459-310-050	11870 PIERCE ST STE 250	RIVERSIDE	CA	92505	30070 PINE NEEDLE RD	ROMOLAND, CA, 92585
459-320-002	11870 PIERCE ST STE 250	RIVERSIDE	CA	92505	30067 PINE NEEDLE RD	ROMOLAND, CA, 92585
459-320-091	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	30062 SNOW PEAK CT	ROMOLAND, CA, 92585
459-320-090	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	30072 SNOW PEAK CT	ROMOLAND, CA, 92585
459-320-068	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	30059 SNOW PEAK CT	ROMOLAND, CA, 92585
459-320-067	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	30064 CRESTVIEW CT	ROMOLAND, CA, 92585
459-320-069	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	30069 SNOW PEAK CT	ROMOLAND, CA, 92585
459-320-066	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	30074 CRESTVIEW CT	ROMOLAND, CA, 92585
459-320-041	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	30061 CRESTVIEW CT	ROMOLAND, CA, 92585
459-320-042	4370 LA JOLLA DR # 960	SAN DIEGO	CA	92122	30071 CRESTVIEW CT	ROMOLAND, CA, 92585
459-320-040	30066 MEADOW OAKS ST	MENIFEE	CA	92585	30066 MEADOW OAKS ST	MENIFEE, CA, 92585
459-320-039	4340 VON KARMAN AVE STE 110	NEWPORT BEACH	CA	92660	30076 MEADOW OAKS ST	ROMOLAND, CA, 92585
333-170-066	255 E RINCON ST STE 200	CORONA	CA	92879	N/AVAIL	CA, 92585
333-170-011	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	CA, 92585
461-030-002	29779 KENTFIELD DR	MENIFEE	CA	92584	27490 BRIGGS RD	ROMOLAND, CA, 92585
461-030-008	27127 CALLE ARROYO STE 1910	SAN JUAN CAPISTRANO	CA	92675	30180 MATTHEWS RD	ROMOLAND, CA, 92585
461-030-009	PO BOX 12008	RIVERSIDE	CA	92502	N/AVAIL	WINCHESTER, CA, 92596
461-030-014	1515 LOWER PASEO LA CRESTA	PALOS VERDES ESTATES	CA	90274	N/AVAIL	WINCHESTER, CA, 92596
461-030-006	1820 NW CARTY RD	RIDGEFIELD	WA	98642	N/AVAIL	ROMOLAND, CA, 92585
461-030-010	PO BOX 12008	RIVERSIDE	CA	92502	N/AVAIL	WINCHESTER, CA, 92596
461-030-004	1820 NW CARTY RD	RIDGEFIELD	WA	98642	30620 MATTHEWS RD	ROMOLAND, CA, 92585
461-050-011	PO BOX 1180	RIVERSIDE	CA	92502	N/AVAIL	WINCHESTER, CA, 92596
461-140-051	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	WINCHESTER, CA, 92596
461-140-027	PO BOX 12008	RIVERSIDE	CA	92502	N/AVAIL	WINCHESTER, CA, 92596

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
461-140-033	PO BOX 173231	ARLINGTON	TX	76003	N/AVAIL	WINCHESTER, CA, 92596
461-140-009	PO BOX 7041	LAGUNA NIGUEL	CA	92607	N/AVAIL	WINCHESTER, CA, 92596
461-140-034	PO BOX 173231	ARLINGTON	TX	76003	N/AVAIL	WINCHESTER, CA, 92596
461-140-035	PO BOX 173231	ARLINGTON	TX	76003	N/AVAIL	WINCHESTER, CA, 92596
461-140-053	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	WINCHESTER, CA, 92596
461-140-036	PO BOX 173231	ARLINGTON	TX	76003	N/AVAIL	WINCHESTER, CA, 92596
462-020-006	1110 RIVER ROCK DR	FOLSOM	CA	95630	N/AVAIL	ROMOLAND, CA, 92585
462-020-039	12671 HIGH BLUFF DR STE 150	SAN DIEGO	CA	92130	N/AVAIL	WINCHESTER, CA, 92596
461-140-025	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	WINCHESTER, CA, 92596
461-140-040	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	WINCHESTER, CA, 92596
461-140-039	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	WINCHESTER, CA, 92596
461-140-041	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	WINCHESTER, CA, 92596
461-140-042	PO BOX 8300	PERRIS	CA	92572	N/AVAIL	WINCHESTER, CA, 92596
462-020-051	16514 MURPHY RD	LA MIRADA	CA	90638	N/AVAIL	WINCHESTER, CA, 92596
462-214-001	211 W RINCON ST STE 108	CORONA	CA	92880	28295 MEMORY LN	WINCHESTER, CA, 92596
462-030-031	27762 ANTONIO PKWY # 280	LADERA RANCH	CA	92694	28560 LEON RD	WINCHESTER, CA, 92596
462-030-033	28362 N STAR LN	MENIFEE	CA	92584	28550 LEON RD	WINCHESTER, CA, 92596
461-150-006	3660 WILSHIRE BLVD STE 108	LOS ANGELES	CA	90010	N/AVAIL	WINCHESTER, CA, 92596
461-160-022	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	WINCHESTER, CA, 92596
461-160-029	1064 PESCADOR DR	NEWPORT BEACH	CA	92660	N/AVAIL	WINCHESTER, CA, 92596
462-030-024	28640 LEON RD	WINCHESTER	CA	92596	28640 LEON RD	WINCHESTER, CA, 92596
462-030-048	28580 LEON RD	WINCHESTER	CA	92596	28580 LEON RD	WINCHESTER, CA, 92596
462-030-049	28590 LEON RD	WINCHESTER	CA	92596	28590 LEON RD	WINCHESTER, CA, 92596
462-030-026	PO BOX 1018	WINCHESTER	CA	92596	28630 LEON RD	WINCHESTER, CA, 92596
462-030-027	28620 LEON RD	WINCHESTER	CA	92596	28620 LEON RD	WINCHESTER, CA, 92596
462-030-064	28660 LEON RD	WINCHESTER	CA	92596	28660 LEON RD	WINCHESTER, CA, 92596
462-030-022	28680 LEON RD	WINCHESTER	CA	92596	28680 LEON RD	WINCHESTER, CA, 92596
462-030-078	28720 LEON RD	WINCHESTER	CA	92596	28720 LEON RD	WINCHESTER, CA, 92596
462-030-019	4925 AUDRA CT	KEYES	CA	95328	N/AVAIL	WINCHESTER, CA, 92596
462-030-075	28720 LEON RD	WINCHESTER	CA	92596	N/AVAIL	WINCHESTER, CA, 92596
462-030-044	28842 LEON RD	WINCHESTER	CA	92596	28840 LEON RD	WINCHESTER, CA, 92596
462-030-047	PO BOX 837	WINCHESTER	CA	92596	28850 LEON RD	WINCHESTER, CA, 92596

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
462-030-038	28870 LEON RD	WINCHESTER	CA	92596	28870 LEON RD	WINCHESTER, CA, 92596
462-030-062	28920 LEON RD	WINCHESTER	CA	92596	28920 LEON RD	WINCHESTER, CA, 92596
462-030-072	28940 LEON RD	WINCHESTER	CA	92596	28940 LEON RD	WINCHESTER, CA, 92596
462-030-013	1705 GOLD HILLS DR	REDDING	CA	96003	29000 LEON RD	WINCHESTER, CA, 92596
462-030-069	33932 CALLE BORREGO	SAN JUAN CAPISTRANO	CA	92675	28960 LEON RD	WINCHESTER, CA, 92596
462-030-012	18400 CABLE LN	PERRIS	CA	92570	31050 OLIVE AVE	WINCHESTER, CA, 92596
462-030-070	28925 MEMORY LN	WINCHESTER	CA	92596	28925 MEMORY LN	WINCHESTER, CA, 92596
462-030-011	PO BOX 998	WINCHESTER	CA	92596	31070 OLIVE AVE	WINCHESTER, CA, 92596
461-280-024	1545 FARADAY AVE	CARLSBAD	CA	92008	N/AVAIL	WINCHESTER, CA, 92596
461-170-007	17992 MITCHELL S STE 100	IRVINE	CA	92614	N/AVAIL	WINCHESTER, CA, 92596
461-160-048	1064 PESCADOR DR	NEWPORT BEACH	CA	92660	N/AVAIL	WINCHESTER, CA, 92596
461-160-028	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	WINCHESTER, CA, 92596
461-290-001	219 MEADOW VISTA WAY	ENCINITAS	CA	92024	N/AVAIL	CA,
461-290-003	219 MEADOW VISTA WAY	ENCINITAS	CA	92024	N/AVAIL	CA,
461-290-002	219 MEADOW VISTA WAY	ENCINITAS	CA	92024	N/AVAIL	CA,
461-290-004	219 MEADOW VISTA WAY	ENCINITAS	CA	92024	N/AVAIL	CA,
461-280-022	PO BOX 213	WINCHESTER	CA	92596	29340 LEON RD	WINCHESTER, CA, 92596
461-280-023	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	WINCHESTER, CA, 92596
461-280-021	HAYDNWEG 5 42781 HAAN GERMANY	N/AVAIL	N/AVAIL	N/AVAIL	29370 LEON RD	WINCHESTER, CA, 92596
461-280-020	29370 LEON RD	WINCHESTER	CA	92596	N/AVAIL	WINCHESTER, CA, 92596
461-170-006	17992 MITCHELL S STE 100	IRVINE	CA	92614	N/AVAIL	WINCHESTER, CA, 92596
461-190-079	41391 KALMIA ST	MURRIETA	CA	92562	N/AVAIL	WINCHESTER, CA, 92596
461-190-082	41391 KALMIA ST STE 200	MURRIETA	CA	92562	N/AVAIL	WINCHESTER, CA, 92596
462-020-026	PO BOX 12008	RIVERSIDE	CA	92502	N/AVAIL	WINCHESTER, CA, 92596
461-280-016	1995 MARKET ST	RIVERSIDE	CA	92501	N/AVAIL	WINCHESTER, CA, 92596
466-030-002	30490 BRIGGS RD	MENIFEE	CA	92584	30580 BRIGGS RD	MENIFEE, CA, 92584
461-190-041	41391 KALMIA ST STE 200	MURRIETA	CA	92562	N/AVAIL	WINCHESTER, CA, 92596
466-340-016	PO BOX 11238	NEWPORT BEACH	CA	92658	N/AVAIL	CA, 92596
461-190-084	32041 DEL OBISPO ST	SAN JUAN CAPO	CA	92675	N/AVAIL	WINCHESTER, CA, 92596
461-190-016	29905 LEON RD	WINCHESTER	CA	92596	29905 LEON RD	WINCHESTER, CA, 92596
461-190-019	31102 NORMA WAY	WINCHESTER	CA	92596	31102 NORMA WAY	WINCHESTER, CA, 92596
461-190-015	505 FERNLEAF AVE	CORONA DEL MAR	CA	92625	N/AVAIL	WINCHESTER, CA, 92596

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
466-340-020	22213 LYNX CT	MURRIETA	CA	92562	N/AVAIL	CA, 92596
461-190-051	505 FERNLEAF AVE	CORONA DEL MAR	CA	92625	N/AVAIL	WINCHESTER, CA, 92596
466-340-017	PO BOX 11238	NEWPORT BEACH	CA	92658	N/AVAIL	CA, 92596
466-340-018	22213 LYNX CT	MURRIETA	CA	92562	N/AVAIL	CA, 92596
466-350-018	41391 KALMIA ST STE 200	MURRIETA	CA	92562	30750 LYON AVE	HEMET, CA, 92543
466-120-022	30490 BRIGGS RD	MENIFEE	CA	92584	30701 HOLLAND RD	MENIFEE, CA, 92584
466-120-024	3909 MARSALA WAY	MODESTO	CA	95356	31445 LEON RD	WINCHESTER, CA, 92596
466-310-026	1352 LA LOMA DR	SANTA ANA	CA	92705	N/AVAIL	WINCHESTER, CA, 92596
466-120-014	5242 DEL NORTE CIR	LA PALMA	CA	90623	30965 HOLLAND RD	WINCHESTER, CA, 92596
466-120-023	12526 HIGH BLUFF DR STE 355	SAN DIEGO	CA	92130	30985 HOLLAND RD	WINCHESTER, CA, 92596
466-130-053	22112 WOOD ISLAND LN	HUNTINGTON BEACH	CA	92646	N/AVAIL	WINCHESTER, CA, 92596
466-130-054	5375 W COUGAR AVE	LAS VEGAS	NV	89139	31695 LEON RD	WINCHESTER, CA, 92596
466-130-034	30490 BRIGGS RD	MENIFEE	CA	92584	31595 LEON RD	WINCHESTER, CA, 92596
466-130-035	31615 LEON RD	WINCHESTER	CA	92596	31615 LEON RD	WINCHESTER, CA, 92596
466-320-036	2142 WENTE CT	SAN JACINTO	CA	92583	N/AVAIL	WINCHESTER, CA, 92596
466-320-037	2142 WENTE CT	SAN JACINTO	CA	92583	N/AVAIL	WINCHESTER, CA, 92596
466-130-026	PO BOX 2396	TEMECULA	CA	92593	31727 LEON RD	WINCHESTER, CA, 92596
466-130-027	30940 GARBANI RD	WINCHESTER	CA	92596	30940 GARBANI RD	WINCHESTER, CA, 92596
466-320-009	2142 WENTE CT	SAN JACINTO	CA	92583	31620 LEON RD	WINCHESTER, CA, 92596
466-320-010	31970 LEON RD	WINCHESTER	CA	92596	N/AVAIL	WINCHESTER, CA, 92596
466-320-011	31970 LEON RD	WINCHESTER	CA	92596	31119 ANDOVER LN	WINCHESTER, CA, 92596
466-210-040	155 E 4TH ST	PERRIS	CA	92570	N/AVAIL	MENIFEE, CA, 92584
466-210-024	10746 FRANCIS PL APT 329	LOS ANGELES	CA	90034	N/AVAIL	MENIFEE, CA, 92584
466-330-001	1360 ARBOLITA DR	LA HABRA	CA	90631	N/AVAIL	CA, 92596
466-330-002	1360 ARBOLITA DR	LA HABRA	CA	90631	N/AVAIL	CA, 92596
466-330-003	1360 ARBOLITA DR	LA HABRA	CA	90631	N/AVAIL	CA, 92596
466-340-019	22213 LYNX CT	MURRIETA	CA	92562	N/AVAIL	CA, 92596
466-210-037	155 E 4TH ST	PERRIS	CA	92570	N/AVAIL	MENIFEE, CA, 92584
466-220-027	2309 WEYBRIDGE LN	LOS ANGELES	CA	90077	N/AVAIL	MENIFEE, CA, 92584
466-330-004	1360 ARBOLITA DR	LA HABRA	CA	90631	N/AVAIL	CA, 92596
466-230-056	32580 LEON RD	WINCHESTER	CA	92596	32580 LEON RD	WINCHESTER, CA, 92596
466-230-055	31049 WICKERD RD	WINCHESTER	CA	92596	31049 WICKERD RD	WINCHESTER, CA, 92596

**Valley South Subtransmission Project
300-Foot Mailing List for Notice of Application**

APN	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY, STATE, ZIP
466-220-014	8001 IRVINE CENTER DR STE 1550	IRVINE	CA	92618	N/AVAIL	MENIFEE, CA, 92584
466-230-063	2526 W CENTRAL AVE	SANTA ANA	CA	92704	N/AVAIL	WINCHESTER, CA, 92596
466-230-064	31118 LORETTA RD	WINCHESTER	CA	92596	31118 LORETTA RD	WINCHESTER, CA, 92596
466-230-059	31025 LORETTA RD	WINCHESTER	CA	92596	31025 LORETTA RD	WINCHESTER, CA, 92596
466-230-060	PO BOX 1445	WILDOMAR	CA	92595	31115 LORETTA RD	WINCHESTER, CA, 92596
331-260-005	1522 BROOKHOLLOW DR STE 1	SANTA ANA	CA	92705	N/AVAIL	SUN CITY, CA, 92585
331-260-016	PO BOX 800	ROSEMEAD	CA	91770	N/AVAIL	SUN CITY, CA, 92585
331-260-018	PO BOX 800	ROSEMEAD	CA	91770	26100 MENIFEE RD	SUN CITY, CA, 92585

**Valley South Subtransmission Project
Interested Party Mailing List for Notice of Application**

NAME	Second Line	MAILING ADDRESS	MAILING CITY	STATE	ZIP
Ally & Peter Thornworth		30339 Shorelane Dr	Menifee	CA	92584
Roncon Group		41391 Kalmia St #200	Murrieta	CA	92562
Brad & Melissa Schwab		29125 Baxter Rd	Murrieta	CA	92563
David Van Nyhuis		29030 Lee Ln	Murrieta	CA	92563
Duane Scofield		28885 Baxter Rd	Murrieta	CA	92563
Robert & Sheryl LaFond		28720 Lee Ln	Murrieta	CA	92563
Robert Michael		29031 Abutters Rd	Murrieta	CA	92563
Scott Larson		29130 Lee Ln	Murrieta	CA	92563
Barb Baker		35900 Menifee Rd	Murrieta	CA	92563
Barbara Stevens		35027 Indian Grass Dr	Murrieta	CA	92563
Brian Baesen		30964 Snowberry Ln	Murrieta	CA	92563
Christian Henderson		30829 Dropseed Dr	Murrieta	CA	92563
Clyde Bacon		30915 Moonflower Ln	Murrieta	CA	92563
Contessa Brown		30830 Prairie Sun Way	Murrieta	CA	92563
Dave Petty		35689 Silverweed Rd	Murrieta	CA	92563
Dennis Weirsonn		38871 Summer Rock Ln	Murrieta	CA	92563
Diana Cosmano		30855 Moonflower Ln	Murrieta	CA	92563
Diane Czekalski		30840 Moonflower Ln	Murrieta	CA	92563
Doug Olson		35721 Jack Rabbit Ln	Murrieta	CA	92563
Ed Hernandez		29727 Maximillian Ave	Murrieta	CA	92563
Gary Keene		30773 Prairie Sun Way	Murrieta	CA	92563
Gregg & Cathy Miller		30866 Prairie Sun Way	Murrieta	CA	92563
James Masters		37946 Cadiz Cir	Murrieta	CA	92563
Jerry Burns		38907 Summit Rock Ln	Murrieta	CA	92563
Jim Bennett		35125 Menifee Rd	Murrieta	CA	92563
Kevin Jass		35214 Goldthread Ln	Murrieta	CA	92563
Matt & Pat Gordon		30881 Prairie Sun Way	Murrieta	CA	92563
Paul & Alba Chassey		30964 Snowberry Ln	Murrieta	CA	92563
Robert & Laura Moore		29031 Abutters Rd	Murrieta	CA	92563
Robert Moore		29031 Abutters Rd	Murrieta	CA	92563
Roy & Marilyn Lahi		35549 Hawkeye St	Murrieta	CA	92563
Steve & Joyce Dodd		28750 Skipper Rd	Murrieta	CA	92563
Steve Robles		30890 Prairie Sun Way	Murrieta	CA	92563
Tim Brown		28987 Baxter Rd	Murrieta	CA	92563
Todd McBee		30841 Dropseed Dr	Murrieta	CA	92563
Fred Good		155 E 4 th	Perris	CA	92570
Jim Bach	MDMG Inc	41635 Enterprise Cir N	Temecula	CA	92590
Bob Guilliams		27424 Bolandra Ct	Temecula	CA	92591
Andy Domenigoni		31851 Winchester Rd	Winchester	CA	92596

**Valley South Subtransmission Project
Interested Party Mailing List for Notice of Application**

NAME	Second Line	MAILING ADDRESS	MAILING CITY	STATE	ZIP
Charlie Green		31152 Norma Way	Winchester	CA	92596
Dirk Meredith		28831 Memory Ln	Winchester	CA	92596
Dom & Gretchen Herndon		30940 Garbani Rd	Winchester	CA	92596
Grant Bechland		30811 Garbani Rd	Winchester	CA	92596
Jeff Nighswonger		31125 Golden Valley Dr	Winchester	CA	92596
Kirk Douglas		35081 Lone Hill Ct	Winchester	CA	92596
Michael Rausch		35275 Slater Ave	Winchester	CA	92596
Robert Lilly		31102 Norma Way	Winchester	CA	92596

Appendix F
FIELD MANAGEMENT PLAN
FOR VALLEY SOUTH 115kV SUBTRANSMISSION PROJECT

TABLE OF CONTENTS

I.	Executive Summary	3
II.	Background Regarding EMF And Public Health Research on EMF	8
III.	Application of the CPUC’s “No-Cost And Low-Cost” EMF Policy to This Project	11
IV.	Project Description.....	14
V.	Evaluation of “No-Cost and Low-Cost” Magnetic Field Reduction Design Options	17
VI.	Final Recommendations for Implementing “No-Cost and Low-Cost” Magnetic Field Reduction Design Options	32
VII.	Appendix A: Two-Dimensional Model Assumptions and Year 2020 Forecasted Loading Conditions.....	35

LIST OF TABLES

Table 1.	Summary of “No-Cost” and “Low-Cost” Magnetic Field Reduction Design Options	5
Table 2.	Calculated Magnetic Field Levels for Section 1.....	19
Table 3.	Calculated Magnetic Field Levels for Section 2.....	22
Table 4.	Calculated Magnetic Field Levels for Section 3.....	25
Table 5.	Calculated Magnetic Field Levels for Section 4.....	28
Table 6.	Calculated Magnetic Field Levels for Section 5	32
Table 6.	Year 2018 Forecasted Loading Conditions for Proposed Project.....	36
Table 7.	Year 2018 Forecasted Loading Conditions For Existing Lines.....	36

LIST OF FIGURES

Figure 1.	Proposed Subtransmission Line Route – FMP Sections (not to scale)	16
Figure 2.	Proposed Valley South Project – Section 1	18
Figure 3.	Calculated Magnetic Field Levels for Line Section 1	19
Figure 4.	Proposed Valley South Project – Section 2.....	21
Figure 5.	Calculated Magnetic Field Levels for Line Section 2:.....	22
Figure 6.	Proposed Valley South Project – Section 3:.....	24
Figure 7.	Calculated Magnetic Field Levels for Line Section 3:.....	25
Figure 8.	Proposed Valley South Project – Section 4.....	27
Figure 9.	Calculated Magnetic Field Levels for Line Section 4:.....	28
Figure 10.	Proposed Valley South project - Section 5:	31
Figure 11.	Calculated Magnetic Field Levels for Line Section 5:	32

List of Terms

ACSR	Aluminum Conductor Steel Reinforced
CDHS	California Department of Health Services
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
ELF	Extremely Low Frequency
EMF	Electric and Magnetic Fields
FMP	Field Management Plan
GO	General Order
IARC	International Agency for Research on Cancer
kV	Kilovolt
LWS	light weight steel
mG	Milligauss
NIEHS	National Institute of Environmental Health Sciences
NRPB	National Radiation Protection Board
“no-cost and low-cost”	CPUC Order Instituting Investigation (OII) 93-11-013 defines "no-cost and low-cost" field reduction measures as those that either do not add to the total project cost, or those that add approximately 4% or less than total project cost.
PEA	Proponent’s Environmental Assessment
RAPID	Research and Public Information Dissemination
SAC	Stranded Aluminum Conductor
SCE	Southern California Edison
T/L	transmission line
TSP	tubular steel pole
WHO	World Health Organization

I. EXECUTIVE SUMMARY

This document is Southern California Edison (SCE, Edison) Company's Field Management Plan (FMP) for the Valley South 115 kilovolt (kV) Subtransmission Line Project (VSSP, Proposed Project). This FMP has been prepared in accordance with CPUC Decision No. 93-11-013 and Decision No. 06-01-042 relating to extremely low frequency (ELF)¹ electric and magnetic fields (EMF). SCE has prepared this FMP in order to inform the public, the California Public Utilities Commission (CPUC), and other interested parties of its evaluation of "no-cost and low-cost" magnetic field reduction design options, and Edison's plan to apply these design options to this project. This FMP also provides background on the current status of scientific research related to possible health effects of EMF, and a description of the CPUC's EMF policy.

SCE proposes to construct the Valley South 115 kV Subtransmission Line Project (Proposed Project) to serve current and projected demand for electricity, and maintain electric system reliability in the cities of Murrieta, Menifee, Temecula, Wildomar, and portions of unincorporated communities of southern Riverside County, California. The Proposed Project includes the following major electrical components that were evaluated for application of California's EMF design guidelines:

- Modifications at SCE's existing Valley 500/115 kilovolt (kV) Substation to include equipping an existing 115 kV subtransmission line position and providing protection equipment as required to support a proposed new 115 kV subtransmission line.
- Construction of a new segment of 115 kV subtransmission line originating at SCE's existing Valley 500/115 kV Substation to a Tubular Steel Pole (TSP) at the southeast corner of Leon and Benton Roads, a distance of approximately 12 miles.
- Re-conductor (upgrade) of an existing segment of 115 kV subtransmission line with new conductor for approximately 3.4 miles.
- Re-configuration of the existing Valley-Auld-Triton 115 kV Subtransmission Line and the formation of the Valley-Auld No. 2 and Valley-Triton 115 kV Subtransmission Lines.

This project description is based on planning level assumptions. Exact details would be determined following completion of final engineering, identification of field conditions, availability of labor, material, and equipment, and compliance with applicable environmental and permitting requirements.

¹ The extremely low frequency is defined as the frequency range from 3 Hz to 3,000 Hz.

The “no-cost” magnetic field reduction design options to be incorporated into the design of the Project are as follows:

- Utilize subtransmission structure heights that meet or exceed SCE’s preferred EMF design criteria
- Utilize subtransmission line construction that reduces spacing between conductors compared with other designs
- Utilize double-circuit construction that reduces spacing between circuits compared with single-circuit construction
- Arrange conductors of proposed subtransmission line for magnetic field reduction
- Utilize underground subtransmission construction for engineering reasons
- Arrange underground cables of proposed subtransmission line for magnetic field reduction

SCE’s plan for applying the above “no-cost” magnetic field reduction design options for the Project is consistent with CPUC’s EMF policy and with the direction of leading national and international health agencies. Furthermore, the plan complies with SCE’s EMF Design Guidelines², and with applicable national and state safety standards for new electrical facilities. The magnetic field reduction design options that SCE considered for the Project are summarized in Table 1 that follows. The sections used in this document are described in Table 1 and shown on Figure 1 on page 16.

² EMF Design Guidelines, July 2006.

Table 1. Summary of “No-Cost” and “Low-Cost” Magnetic Field Reduction Design Options

Area No.	Location ³	Adjacent Land Use(s) ⁴	MF Reduction Design Options Considered	Estimated Cost to Adopt	Design Option(s) Adopted? (Yes/No)	Reason(s) if not adopted
Subtransmission Line Section 1 Proposed Valley -Triton 115 kV Subtransmission Line underground section adjacent to existing Valley-Auld 115 kV Subtransmission Line	East of Valley Substation for approximately 1,600 feet on private road	3,5,6	<ul style="list-style-type: none"> • Utilize underground subtransmission construction for engineering reasons • Arrange underground cables of proposed subtransmission line for magnetic field reduction 	<ul style="list-style-type: none"> • No-Cost⁵ • No-Cost⁶ 	<ul style="list-style-type: none"> • Yes • Yes 	
Subtransmission Line Section 2 Proposed overhead Valley-Triton 115 kV Subtransmission Line back-to-back with the existing Valley-Auld 115 kV Subtransmission Line	East and west of Briggs Road and south of private road	2,5,6	<ul style="list-style-type: none"> • Utilize subtransmission structure heights that meet or exceed SCE’s preferred EMF design criteria • Arrange conductors of subtransmission lines for magnetic field reduction • Utilize double-circuit construction that reduces spacing between circuits as compared with single-circuit construction 	<ul style="list-style-type: none"> • No-Cost⁷ • No-Cost⁸ • No-Cost⁹ 	<ul style="list-style-type: none"> • Yes • Yes • Yes 	

³ This column shows the major cross streets, existing subtransmission lines, or substation name as reference points.

⁴ Land usage codes are as follows: 1) schools, licensed day-cares, and hospitals, 2) residential, 3) commercial/industrial, 4) recreational, 5) agricultural, and 6) undeveloped land.

⁵ This option was included in the preliminary design and continues to be included in the design of the project

⁶ *Ibid.*

⁷ *Ibid.*

⁸ *Ibid.*

⁹ *Ibid.*

Table 1. Summary of “No-Cost” and “Low-Cost” Magnetic Field Reduction Design Options (Cont.)

Area No.	Location	Adjacent Land Use(s)	MF Reduction Design Options Considered	Estimated Cost to Adopt	Design Option(s) Adopted? (Yes/No)	Reason(s) if not adopted
<p>Subtransmission Line Section 3</p> <p>Proposed Valley-Triton 115 kV Subtransmission Line back-to-back with the existing Valley-MWD-Stetson 115 kV Subtransmission Line</p>	<p>North side of Grand Avenue between Briggs Road and Leon Road</p>	<p>5,6</p>	<ul style="list-style-type: none"> • Utilize subtransmission structure heights that meet or exceed SCE’s preferred EMF design criteria • Utilize double-circuit construction that reduces spacing between circuits as compared with existing single-circuit construction • Arrange conductors of subtransmission lines for magnetic field reduction 	<ul style="list-style-type: none"> • No-Cost¹⁰ • No-Cost¹¹ • No-Cost¹² 	<ul style="list-style-type: none"> • Yes • Yes • Yes 	
<p>Subtransmission Line Section 4</p> <p>Proposed Valley-Triton 115 kV Subtransmission Line in <u>single-circuit</u> construction</p>	<p>Along the side of Leon Road between Grand Avenue and Benton Road</p>	<p>2,3,4,5,6</p>	<ul style="list-style-type: none"> • Utilize subtransmission structure heights that meet or exceed SCE’s preferred EMF design criteria • Utilize subtransmission line construction that reduces the space between conductors compared with other designs 	<ul style="list-style-type: none"> • No-Cost¹³ • No-Cost¹⁴ 	<ul style="list-style-type: none"> • Yes • Yes 	

¹⁰ This option was included in the preliminary design and continues to be included in the design of the project.

¹¹ *Ibid.*

¹² *Ibid.*

¹³ *Ibid.*

¹⁴ *Ibid.*

<p>Subtransmission Line Section 5</p> <p>Proposed Valley-Triton 115 kV Subtransmission Line in double-circuit overhead construction</p>	<p>From intersection of Benton Rd. and Leon Rd. south on Leon Rd. to Terminal TSP on the south side of Nicolas Road</p>	<p>2,3,5,6</p>	<ul style="list-style-type: none"> • Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria • Utilize double-circuit construction that reduces spacing between circuits as compared with single-circuit construction • Arrange conductors of subtransmission lines for magnetic field reduction 	<ul style="list-style-type: none"> • No-Cost¹⁵ • No-Cost¹⁶ • No-Cost¹⁷ 	<ul style="list-style-type: none"> • Yes • Yes • Yes 	
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¹⁵ *Ibid.*

¹⁶ *Ibid.*

¹⁷ *Ibid.*

II. BACKGROUND REGARDING EMF AND PUBLIC HEALTH RESEARCH ON EMF

There are many sources of power frequency¹⁸ electric and magnetic fields, including internal household and building wiring, electrical appliances, and electric power transmission and distribution lines. There have been numerous scientific studies about the potential health effects of EMF. After many years of research, the scientific community has been unable to determine if exposures to EMF cause health hazards. State and federal public health regulatory agencies have determined that setting numeric exposure limits is not appropriate.¹⁹

Many of the questions about possible connections between EMF exposures and specific diseases have been successfully resolved due to an aggressive international research program. However, potentially important public health questions remain about whether there is a link between EMF exposures and certain diseases, including childhood leukemia and a variety of adult diseases (e.g., adult cancers and miscarriages). As a result, some health authorities have identified magnetic field exposures as a possible human carcinogen. As summarized in greater detail below, these conclusions are consistent with the following published reports: the National Institute of Environmental Health Sciences (NIEHS) 1999²⁰, the National Radiation Protection Board (NRPB) 2001²¹, the International Commission on non-Ionizing Radiation Protection (ICNIRP) 2001, the California Department of Health Services (CDHS) 2002²², the International Agency for Research on Cancer (IARC) 2002²³ and the World Health Organization (WHO) 2007²⁴.

The federal government conducted EMF research as a part of a \$45-million research program managed by the NIEHS. This program, known as the EMF RAPID (Research and Public Information Dissemination), submitted its final report to the U.S. Congress on June 15, 1999. The report concluded that:

- “The scientific evidence suggesting that ELF-EMF exposures pose any health risk is weak.”²⁵
- “The NIEHS concludes that ELF-EMF exposure cannot be recognized as entirely safe because of weak scientific evidence that exposure may pose a leukemia hazard.”²⁶

¹⁸ In U.S., it is 60 Hertz (Hz).

¹⁹ CPUC Decision 06-01-042, p. 6, footnote 10.

²⁰ National Institute of Environmental Health Sciences’ Report on Health Effects from Exposures to Power-Line frequency Electric and Magnetic Fields, NIH Publication No. 99-4493, June 1999.

²¹ National Radiological Protection Board, Electromagnetic Fields and the Risk of Cancer, Report of an Advisory Group on Non-ionizing Radiation, Chilton, U.K. 2001.

²² California Department of Health Services, An Evaluation of the Possible Risks from Electric and Magnetic Fields from Power Lines, Internal Wiring, Electrical Occupations, and Appliances, June 2002.

²³ World Health Organization / International Agency for Research on Cancer, IARC Monographs on the evaluation of carcinogenic risks to humans (2002), Non-ionizing radiation, Part 1: Static and extremely low-frequency (ELF) electric and magnetic fields, IARC Press, Lyon, France: International Agency for Research on Cancer, Monograph, vol. 80, p. 338, 2002.

²⁴ WHO, Environmental Health Criteria 238, EXTREMELY LOW FREQUENCY FIELDS, 2007.

²⁵ National Institute of Environmental Health Sciences, NIEHS Report on Health Effects from Exposures to Power-Frequency Electric and Magnetic Fields, p. ii, NIH Publication No. 99-4493, 1999.

- “The NIEHS suggests that the level and strength of evidence supporting ELF-EMF exposure as a human health hazard are insufficient to warrant aggressive regulatory actions; thus, we do not recommend actions such as stringent standards on electric appliances and a national program to bury all transmission and distribution lines. Instead, the evidence suggests passive measures such as a continued emphasis on educating both the public and the regulated community on means aimed at reducing exposures. NIEHS suggests that the power industry continue its current practice of siting power lines to reduce exposures and continue to explore ways to reduce the creation of magnetic fields around transmission and distribution lines without creating new hazards.”²⁷

In 2001, Britain’s NRPB arrived at a similar conclusion:

“After a wide-ranging and thorough review of scientific research, an independent Advisory Group to the Board of NRPB has concluded that the power frequency electromagnetic fields that exist in the vast majority of homes are not a cause of cancer in general. However, some epidemiological studies do indicate a possible small risk of childhood leukemia associated with exposures to unusually high levels of power frequency magnetic fields.”²⁸

In 2002, three scientists for CDHS concluded:

“To one degree or another, all three of the [CDHS] scientists are inclined to believe that EMFs can cause some degree of increased risk of childhood leukemia, adult brain cancer, Lou Gehrig’s disease, and miscarriage.

They [CDHS] strongly believe that EMFs do not increase the risk of birth defects, or low birth weight.

They [CDHS] strongly believe that EMFs are not universal carcinogens, since there are a number of cancer types that are not associated with EMF exposure.

To one degree or another they [CDHS] are inclined to believe that EMFs do not cause an increased risk of breast cancer, heart disease, Alzheimer’s disease, depression, or symptoms attributed by some to a sensitivity to EMFs. However, all three scientists had judgments that were “close to the dividing line between believing and not believing” that EMFs cause some degree of increased risk of suicide. For adult leukemia, two of the scientists are ‘close to the dividing line

²⁶ *Ibid.*, p. iii.

²⁷ *Ibid.*, p. 37 – 38.

²⁸ NRPB, NRPB Advisory Group on Non-ionizing Radiation Power Frequency Electromagnetic Fields and the Risk of Cancer, NRPB Press Release May 2001.

between believing or not believing’ and one was ‘prone to believe’ that EMFs cause some degree of increased risk.”²⁹

Also in 2002, the World Health Organization’s (WHO) IARC concluded:

“ELF magnetic fields are possibly carcinogenic to humans”³⁰, based on consistent statistical associations of high-level residential magnetic fields with a doubling of risk of childhood leukemia...Children who are exposed to residential ELF magnetic fields less than 0.4 microTesla (4.0 milliGauss) have no increased risk for leukemia.... In contrast, “no consistent relationship has been seen in studies of childhood brain tumors or cancers at other sites and residential ELF electric and magnetic fields.”³¹

In June of 2007, the WHO issued a report on their multi-year investigation of EMF and the possible health effects. After reviewing scientific data from numerous EMF and human health studies, they concluded:

“Scientific evidence suggesting that every day, chronic low-intensity (above 0.3-0.4 μ T [3-4 mG]) power-frequency magnetic field exposure poses a health risk is based on epidemiological studies demonstrating a consistent pattern of increased risk for childhood leukemia.”³²

“In addition, virtually all of the laboratory evidence and the mechanistic evidence fail to support a relationship between low-level ELF magnetic fields and changes in biological function or disease status. Thus, on balance, the evidence is not strong enough to be considered causal, but sufficiently strong to remain a concern.”³³

“A number of other diseases have been investigated for possible association with ELF magnetic field exposure. These include cancers in both children and adults, depression, suicide, reproductive dysfunction, developmental disorders, immunological modifications and neurological disease. The scientific evidence supporting a linkage between ELF magnetic fields and any of these diseases is much weaker than for childhood leukemia and in some cases (for example, for cardiovascular disease or breast cancer) the evidence is sufficient to give confidence that magnetic fields do not cause the disease”³⁴

“Furthermore, given both the weakness of the evidence for a link between exposure to ELF magnetic fields and childhood leukemia, and the limited impact

²⁹ CDHS, An Evaluation of the Possible Risks From Electric and Magnetic Fields (EMFs) From Power Lines, Internal Wiring, Electrical Occupations and Appliances, p. 3, 2002.

³⁰ IARC, Monographs, Part I, Vol. 80, p. 338.

³¹ *Ibid.*, p. 332 – 334.

³² WHO, Environmental Health Criteria 238, EXTREMELY LOW FREQUENCY FIELDS, p. 11 - 13, 2007.

³³ *Ibid.*, p. 12.

³⁴ *Ibid.*, p. 12.

on public health if there is a link, the benefits of exposure reduction on health are unclear. Thus the costs of precautionary measures should be very low.”³⁵

III. APPLICATION OF THE CPUC’S “NO-COST AND LOW-COST” EMF POLICY TO THIS PROJECT

Recognizing the scientific uncertainty over the connection between EMF exposures and health effects, the CPUC adopted a policy that addresses public concern over EMF with a combination of education, information, and precaution-based approaches. Specifically, Decision 93-11-013 established a precautionary based “no-cost and low-cost” EMF policy for California’s regulated electric utilities based on recognition that scientific research had not demonstrated that exposures to EMF cause health hazards and that it was inappropriate to set numeric standards that would limit exposure.

In 2006, the CPUC completed its review and update of its EMF Policy in Decision 06-01-042. This decision reaffirmed the finding that state and federal public health regulatory agencies have not established a direct link between exposure to EMF and human health effects,³⁶ and the policy direction that (1) use of numeric exposure limits was not appropriate in setting utility design guidelines to address EMF,³⁷ and (2) existing “no-cost and low-cost” precautionary-based EMF policy should be continued for proposed electrical facilities. The decision also reaffirmed that EMF concerns brought up during Certificate of Public Convenience and Necessity (CPCN) and Permit to Construct (PTC) proceedings for electric and transmission and substation facilities should be limited to the utility’s compliance with the CPUC’s “no-cost and low-cost” policies.³⁸

The decision directed regulated utilities to hold a workshop to develop standard approaches for EMF Design Guidelines and such a workshop was held on February 21, 2006. Consistent design guidelines have been developed that describe the routine magnetic field reduction measures that regulated California electric utilities consider for new and upgraded transmission line and transmission substation projects. SCE filed its revised EMF Design Guidelines with the CPUC on July 26, 2006.

“No-cost and low-cost” measures to reduce magnetic fields would be implemented for this Project in accordance with SCE’s EMF Design Guidelines. In summary, the process of

³⁵ *Ibid.*, p. 13.

³⁶ CPUC Decision 06-01-042, Conclusion of Law No. 5, mimeo. p. 19 (“As discussed in the rulemaking, a direct link between exposure to EMF and human health effects has yet to be proven despite numerous studies including a study ordered by this Commission and conducted by DHS.”).

³⁷ CPUC Decision 06-01-042, mimeo. p. 17 - 18 (“Furthermore, we do not request that utilities include non-routine mitigation measures, or other mitigation measures that are based on numeric values of EMF exposure, in revised design guidelines or apply mitigation measures to reconfigurations or relocations of less than 2,000 feet, the distance under which exemptions apply under GO 131-D. Non-routine mitigation measures should only be considered under unique circumstances.”).

³⁸ CPUC Decision 06-01-042, Conclusion of Law No. 2, (“EMF concerns in future CPCN and PTC proceedings for electric and transmission and substation facilities should be limited to the utility’s compliance with the Commission’s low-cost/no-cost policies.”).

evaluating “no-cost and low-cost” magnetic field reduction measures and prioritizing within and between land usage classes considers the following:

1. SCE’s priority in the design of any electrical facility is public and employee safety. Without exception, design and construction of an electric power system must comply with all applicable federal, state, and local regulations, applicable safety codes, and each electric utility’s construction standards. Furthermore, transmission and subtransmission lines and substations must be constructed so that they can operate reliably at their design capacity. Their design must be compatible with other facilities in the area and the cost to operate and maintain the facilities must be reasonable.
2. As a supplement to Step 1, SCE follows the CPUC’s direction to undertake “no-cost and low-cost” magnetic field reduction measures for new and upgraded electrical facilities. Any proposed “no-cost and low-cost” magnetic field measures, must, however, meet the requirements described in Step 1 above. The CPUC defines “no-cost and low-cost” measures as follows:
 - Low-cost measures, in aggregate, should:
 - Cost in the range of 4 percent of the total project cost.
 - Result in magnetic field reductions of “15% or greater at the utility R-O-W [right-of-way]...”³⁹

The CPUC Decision stated,

“We direct the utilities to use 4 percent as a benchmark in developing their EMF mitigation guidelines. We will not establish 4 percent as an absolute cap at this time because we do not want to arbitrarily eliminate a potential measure that might be available but costs more than the 4 percent figure. Conversely, the utilities are encouraged to use effective measures that cost less than 4 percent.”⁴⁰

3. The CPUC provided further policy direction in Decision 06-01-042, stating that, “[a]lthough equal mitigation for an entire class is a desirable goal, we will not limit the spending of EMF mitigation to zero on the basis that not all class members can benefit.”⁴¹ While Decision 06-01-042 directs the utilities to favor schools, day-care facilities and hospitals over residential areas when applying low-cost magnetic field reduction measures, prioritization within a class can be difficult on a project case-by-case basis because schools, day-care facilities, and hospitals are often integrated into residential areas, and many licensed day-care facilities are housed in private homes, and can be easily moved from one location to another. Therefore, it may be practical for public schools, licensed day-care centers, hospitals, and residential land uses to be grouped together to receive

³⁹ CPUC Decision 06-01-042, p. 10.

⁴⁰ CPUC Decision 93-11-013, § 3.3.2, p.10.

⁴¹ CPUC Decision 06-01-042, p. 10.

highest prioritization for low-cost magnetic field reduction measures. Commercial and industrial areas may be grouped as a second priority group, followed by recreational and agricultural areas as the third group. Low-cost magnetic field reduction measures will not be considered for undeveloped land, such as open space, state and national parks, and Bureau of Land Management and U.S. Forest Service lands. When spending for low-cost measures would otherwise disallow equitable magnetic field reduction for all areas within a single land-use class, prioritization can be achieved by considering location and/or density of permanently occupied structures on lands adjacent to the projects, as appropriate.

This FMP contains descriptions of various magnetic field models and the calculated results of magnetic field levels based on those models. These calculated results are provided only for purposes of identifying the relative differences in magnetic field levels among various transmission or subtransmission line design alternatives under a specific set of modeling assumptions and determining whether particular design alternatives can achieve magnetic field level reductions of 15 percent or more. The calculated results are not intended to be predictors of the actual magnetic field levels at any given time or at any specific location if and when the project is constructed. This is because magnetic field levels depend upon a variety of variables, including load growth, customer electricity usage, and other factors beyond SCE's control. The CPUC affirmed this in D. 06-01-042 stating:

“Our [CPUC] review of the modeling methodology provided in the utility [EMF] design guidelines indicates that it accomplishes its purpose, which is to measure the relative differences between alternative mitigation measures. Thus, the modeling indicates relative differences in magnetic field reductions between different transmission line construction methods, but does not measure actual environmental magnetic fields.”⁴²

⁴² CPUC Decision 06-01-042, p. 11.

IV. PROJECT DESCRIPTION

Southern California Edison Company (SCE) proposes to construct the Valley South 115 kV Subtransmission Line Project (VSSP) (Proposed Project) to serve current and projected demand for electricity, and maintain electric system reliability in the cities of Murrieta, Menifee, Temecula, Wildomar, and portions of unincorporated communities of southern Riverside County, California. The Proposed Project includes the following major electrical components that were evaluated for application of California's EMF design guidelines:

- Modifications at SCE's existing Valley 500/115 kilovolt (kV) Substation to include equipping an existing 115 kV subtransmission line position and providing protection equipment as required to support a proposed new 115 kV subtransmission line.
- Construction of a new segment of 115 kV subtransmission line originating at SCE's existing Valley 500/115 kV Substation to a Tubular Steel Pole (TSP) at the southeast corner of Leon and Benton Roads, a distance of approximately 12 miles.
- Re-conductor (upgrade) of an existing segment of 115 kV subtransmission line with new conductor for approximately 3.4 miles.
- Re-configuration of the existing Valley-Auld-Triton 115 kV Subtransmission Line and the formation of the Valley-Auld No. 2 and Valley-Triton 115 kV Subtransmission Lines.

This project description is based on planning level assumptions. Exact details would be determined following completion of final engineering, identification of field conditions, availability of labor, material, and equipment, and compliance with applicable environmental and permitting requirements. A more detailed description of the project elements follows.

Supporting 115 kV Modifications at Valley Substation

To accommodate the new 115 kV subtransmission line connection at the existing Valley Substation, an available position of the existing 115 kV switch rack would be equipped with appropriate equipment including circuit breakers, disconnecting switches, a potential transformer, lightning arresters, and a conductor bus using 1590 thousand circular mils (kcmil) Aluminum Conductor Steel Reinforced (ACSR) conductors. Modifications at Valley Substation are in support of the proposed new Valley-Triton 115 kV Subtransmission Line. There are no significant opportunities to reduce magnetic fields based on the scope of the substation work within Valley Substation as part of this Project.

Proposed Valley-Triton 115 kV Subtransmission Line Route Description

The proposed VSSP includes a segment of new 115 kV subtransmission line and an upgrade of existing 115 kV subtransmission line with new conductor. The existing line would be re-configured and would become a part of the proposed new Valley-Triton 115 kV Subtransmission Line.

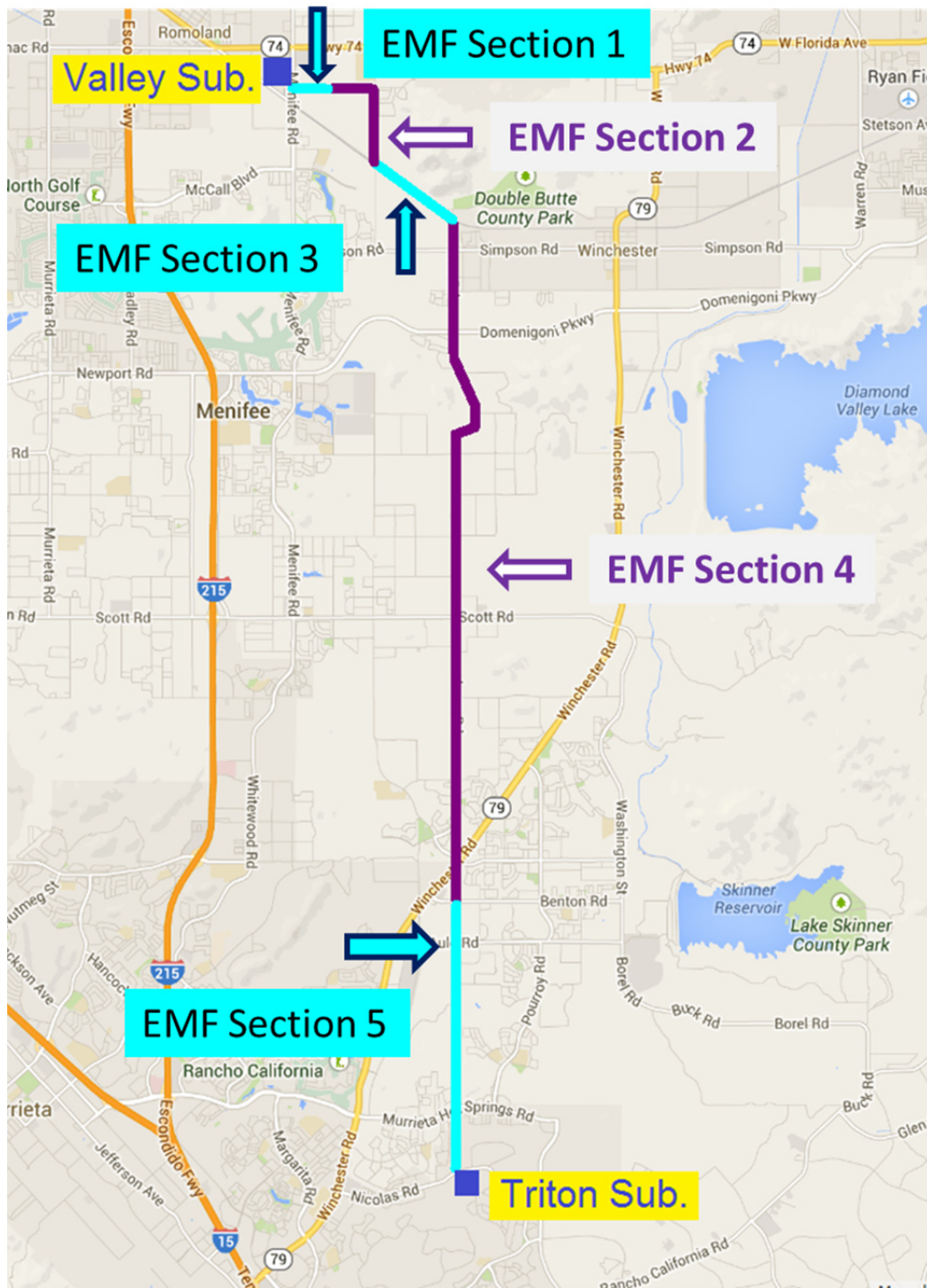
The new 115 kV subtransmission line would exit Valley Substation southeasterly on McLaughlin Road underground for approximately 1,600 feet in a new duct bank consisting of

three new subtransmission vaults and new underground 115 kV cables. It would then rise to an overhead position via a Riser TSP on a private (SCE access road/farm road) road. The existing pole heads would be reconfigured on the existing SCE subtransmission facilities to accommodate the new 115 kV overhead conductors (double circuiting the existing poles) for approximately 1.0 mile from the new Riser TSP to the intersection of the private road and Briggs Road. The new 115 kV subtransmission line would then continue south on Briggs Road to the intersection of Briggs and Matthews Roads. At the intersection of Briggs and Matthews Roads, the new 115 kV subtransmission line would continue easterly for approximately one mile to the intersection of Leon Road and Grand Avenue. The new 115 kV subtransmission line would continue south, as a single circuit, from the intersection of Leon Roads and Grand Avenue for approximately 9 miles to the intersection of Benton and Leon Road. The new 115 kV subtransmission line would be approximately 12 miles in length from Valley Substation in the City of Menifee to the intersection of Leon Road and Benton Road in Riverside County, east of the City of Murrieta.

Beginning at the intersection of Benton Road and Leon Road and continuing south on Leon Road to Nicolas Road, a segment of the existing Valley-Auld-Triton 115 kV Subtransmission Line would be upgraded with new conductor. Construction would include removal of approximately 3.4 miles of 653 kcmil ACSR and installation of non-specular 954 kcmil stranded aluminum conductor (SAC).

The 115 kV subtransmission structures would support polymer dead end/suspension insulators measuring approximately 48 inches and/or polymer post insulators measuring approximately 60 to 62 inches. The geographic area of the Proposed Project, approximate subtransmission line route, and line sections considered for magnetic field reduction can be seen in Figure 1 that follows.

Figure 1. Proposed Subtransmission Line Route EMF Evaluation Sections



V. EVALUATION OF “NO-COST AND LOW-COST” MAGNETIC FIELD REDUCTION DESIGN OPTIONS

Please note that the following magnetic field models and the calculated results of magnetic field levels are intended only for purposes of identifying the relative differences in magnetic field levels among various subtransmission line and subtransmission line design alternatives under a specific set of modeling assumptions (see Appendix A for more detailed information about the calculation assumptions and loading conditions) and determining whether particular design alternatives can achieve magnetic field level reductions of 15 percent or more. The calculated results are not intended to be predictors of the actual magnetic field levels at any given time or at any specific location when the Proposed Project is constructed.

Proposed Valley-Triton 115 kV Subtransmission Line

For the purpose of evaluating “no-cost and low-cost” magnetic field reduction design options, the proposed subtransmission line project is divided into five sections. These sections and the applicable field reduction measures can be seen in Figure 1 and are discussed below. Construction details and magnetic field calculations are presented in corresponding figures and tables.

Subtransmission Line EMF Section 1

This section consists of the Proposed Valley-Triton 115 kV Subtransmission Line in an underground subtransmission cable configuration adjacent to the existing Valley-Auld 115 kV Subtransmission Line (See Figure 2). The proposed new Valley-Triton 115 kV Subtransmission Line would exit Valley Substation southeasterly on McLaughlin Road underground in a new duct bank. The underground portion of the 115 kV subtransmission line would be approximately 1,600 feet in length. Construction would include three new subtransmission vaults, and new underground 115 kV cables.

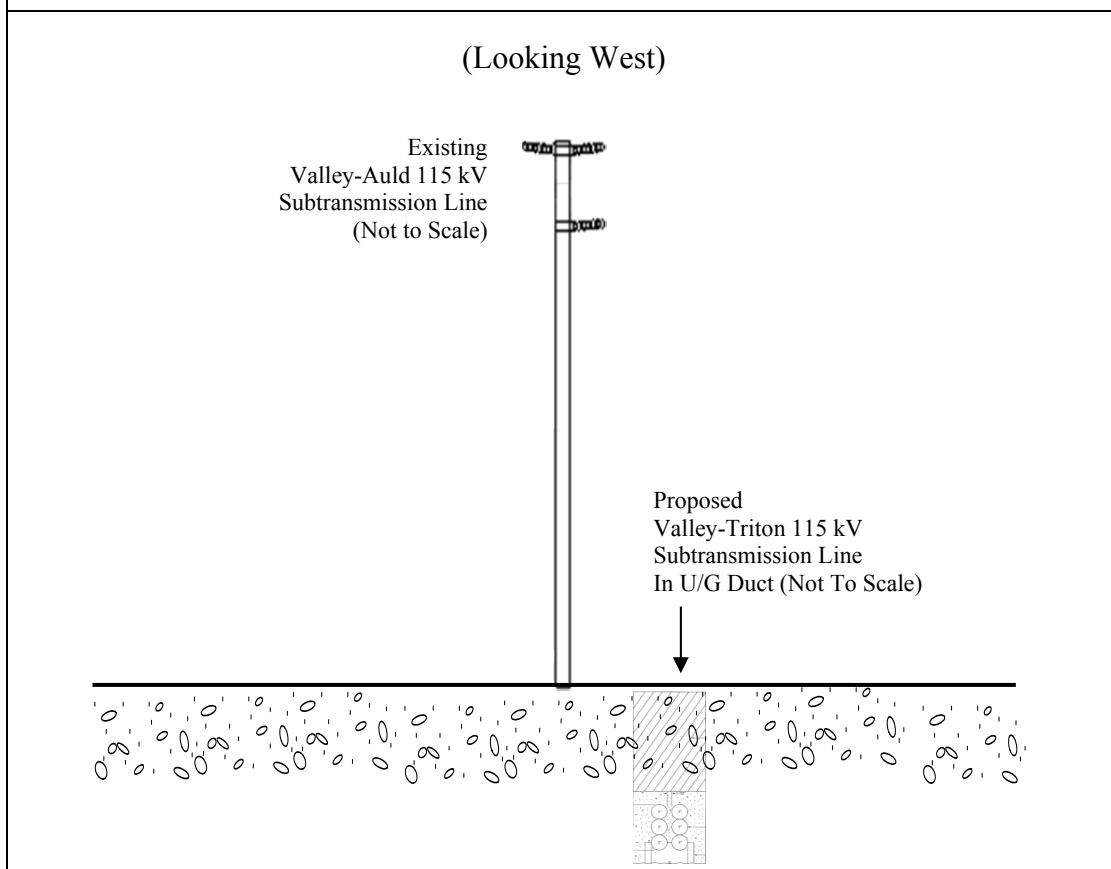
For EMF analysis, calculated field levels were evaluated approximately 15 feet away from the center of the structures. At the present time, there are no schools adjacent to Section 1 of the proposed 115 kV subtransmission line route. The proposed route for Section 1 is adjacent to commercial/industrial, agricultural, and undeveloped land.

No-Cost Field Reduction Measures: The proposed design for Line Section 1 includes the following no-cost field reduction measures:

- Utilize underground subtransmission construction for engineering reasons
- Arrange underground cables of proposed subtransmission line for magnetic field reduction

Low-Cost Field Reduction Options: The proposed design incorporates the above listed no-cost field reduction measures. No low-cost field reduction measures were identified for this section of the Project.

**Figure 2. Proposed Valley South Project – Section 1
Underground 115 kV Structure Design⁴³**



Magnetic Field Calculations: Calculated magnetic field levels for the proposed design are shown in Figure 3 and Table 2 that follow. These calculations were made using the proposed TSP with a minimum height of 65 feet (above ground).

⁴³ Figure is not to scale.

**Figure 3. Calculated Magnetic Field Levels⁴⁴ for Line Section 1
Proposed Valley South Project (Looking West)**

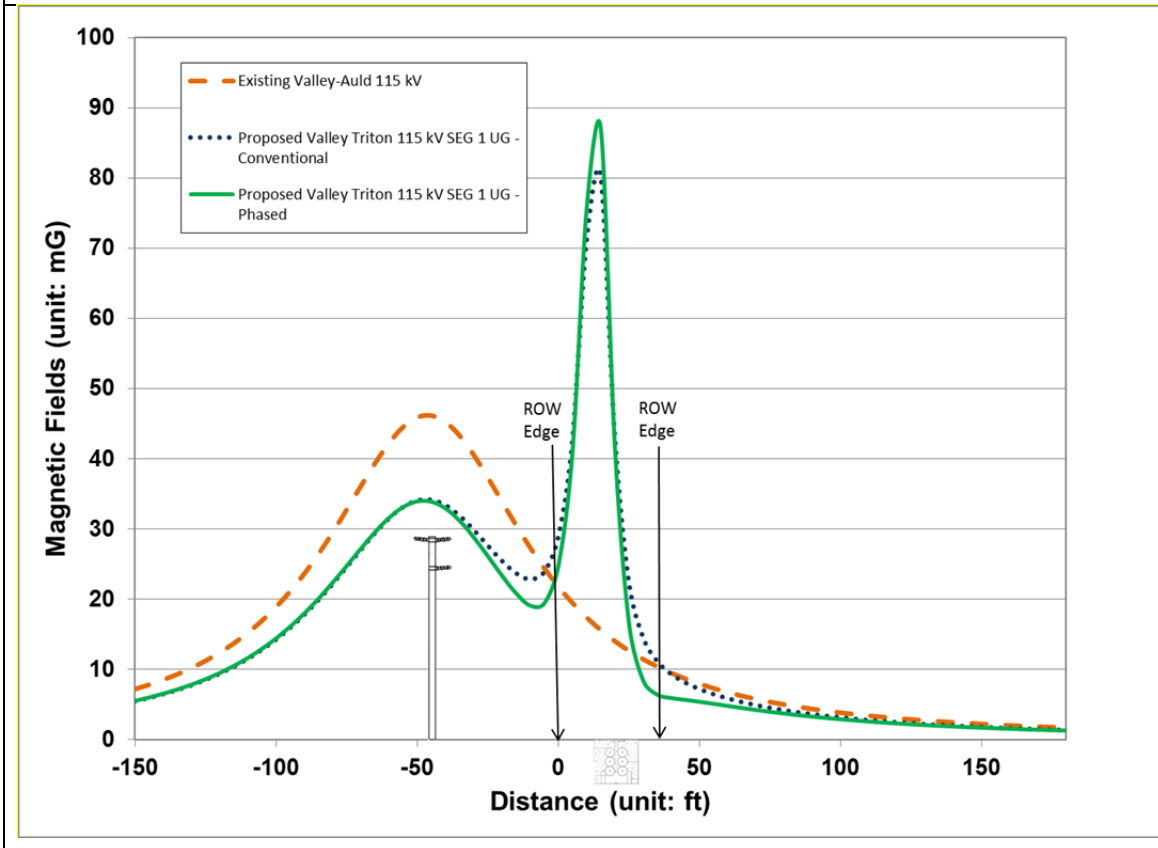


Table 2. Calculated Magnetic Field Levels⁴⁵ for Section 1

Design Options	Left Edge of Evaluation (mG)	% Reduction	Right Edge of Evaluation (mG)	% Reduction
Existing	22.0	-	11.6	-
Proposed - Conventional	28.8	Increase	14.7	Increase
Proposed - Phased	24.8	13.9	8.5	42.2

Recommendations for Section 1: *The proposed design includes no-cost field reduction measures. Because the proposed design already incorporates underground construction and*

⁴⁴ This figure shows calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

⁴⁵ This table lists calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

arranges phase conductors for magnetic field reduction, no low-cost field reduction measures are recommended.

Subtransmission Line EMF Section 2:

This section consists of the proposed Valley-Triton 115 kV Subtransmission Line in back-to-back configuration with the existing Valley-Auld 115 kV Subtransmission Line, built on bolted-base polymer post insulators (See Figure 4). The new 115 kV subtransmission line would rise to an overhead position via a Riser TSP on private road. The existing pole heads would be reconfigured on the existing SCE subtransmission facilities to accommodate the new 115 kV overhead conductors (double circuiting the existing poles) for approximately 0.75 mile from the new Riser TSP to the intersection of the private road and Briggs Road. The new 115 kV subtransmission line would then extend south on Briggs Road to the intersection of Briggs and Matthews Roads.

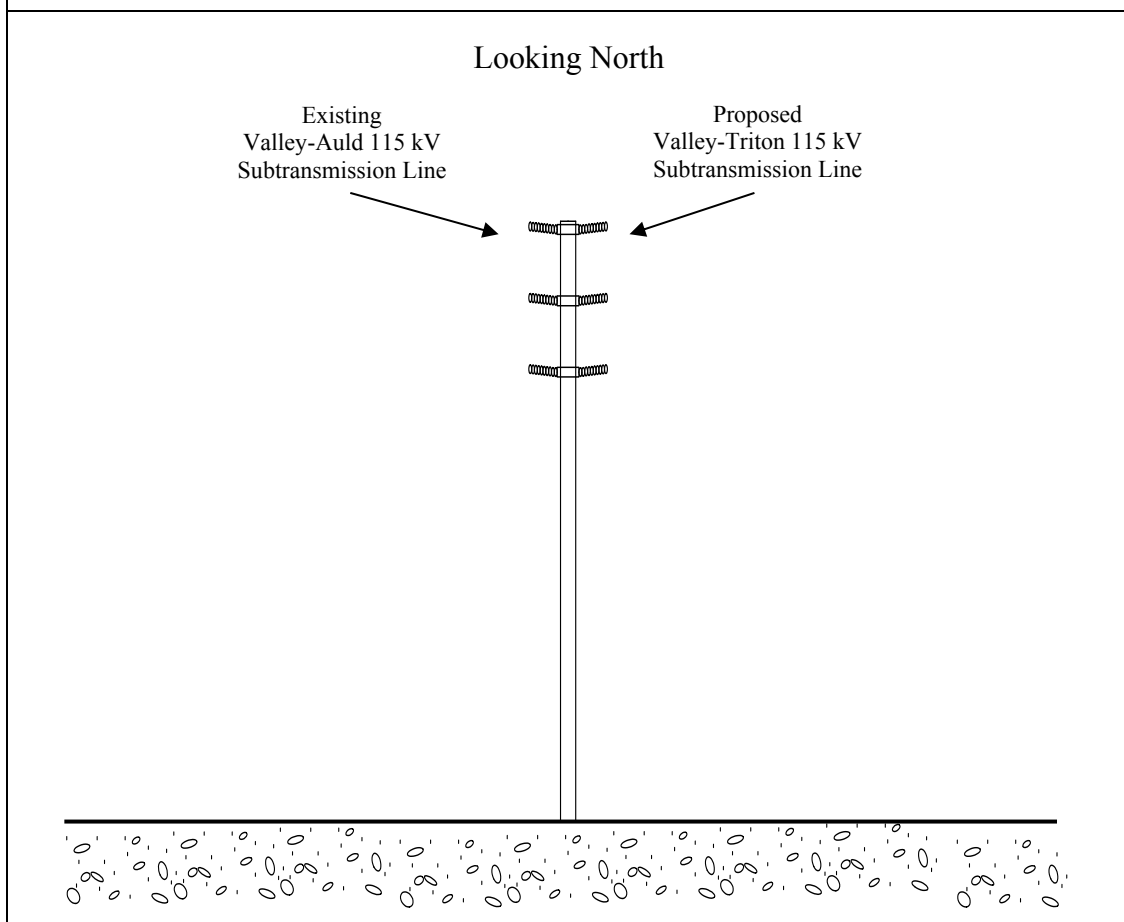
For EMF analysis, calculated field levels were evaluated approximately 15 feet away from the center of the structures. At the present time, Heritage High School of Perris Union School District is located approximately 415 feet north of the existing subtransmission line route on McLaughlin Road. A residential development is located approximately 230 feet east of the existing subtransmission line route on the east side of Briggs Road. The proposed route for Section 2 is also adjacent to residential, agricultural, and undeveloped land.

No-Cost Field Reduction Measures: The proposed design for Line Section 2 includes the following no-cost field reduction measures:

- Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria
- Utilize double-circuit construction that reduces spacing between circuits as compared with single-circuit construction
- Arrange conductors of subtransmission lines for magnetic field reduction

Low-Cost Field Reduction Options: The proposed design incorporates the above listed no-cost field reduction measures that meet SCE's preferred design criteria. No low-cost field reduction measures were identified for this section of the Project.

**Figure 4. Proposed Valley South Project – Section 2
Double-Circuit 115 kV Overhead Structure Design⁴⁶**



Magnetic Field Calculations: Calculated magnetic field levels for the proposed design are shown in Figure 5 and Table 3 that follow. These calculations were made using the proposed TSP with a minimum height of 65 feet (above ground).

⁴⁶ Figure is not to scale.

**Figure 5. Calculated Magnetic Field Levels⁴⁷ for Line Section 2:
Proposed Valley-Triton 115 kV Subtransmission Line (Looking North)**

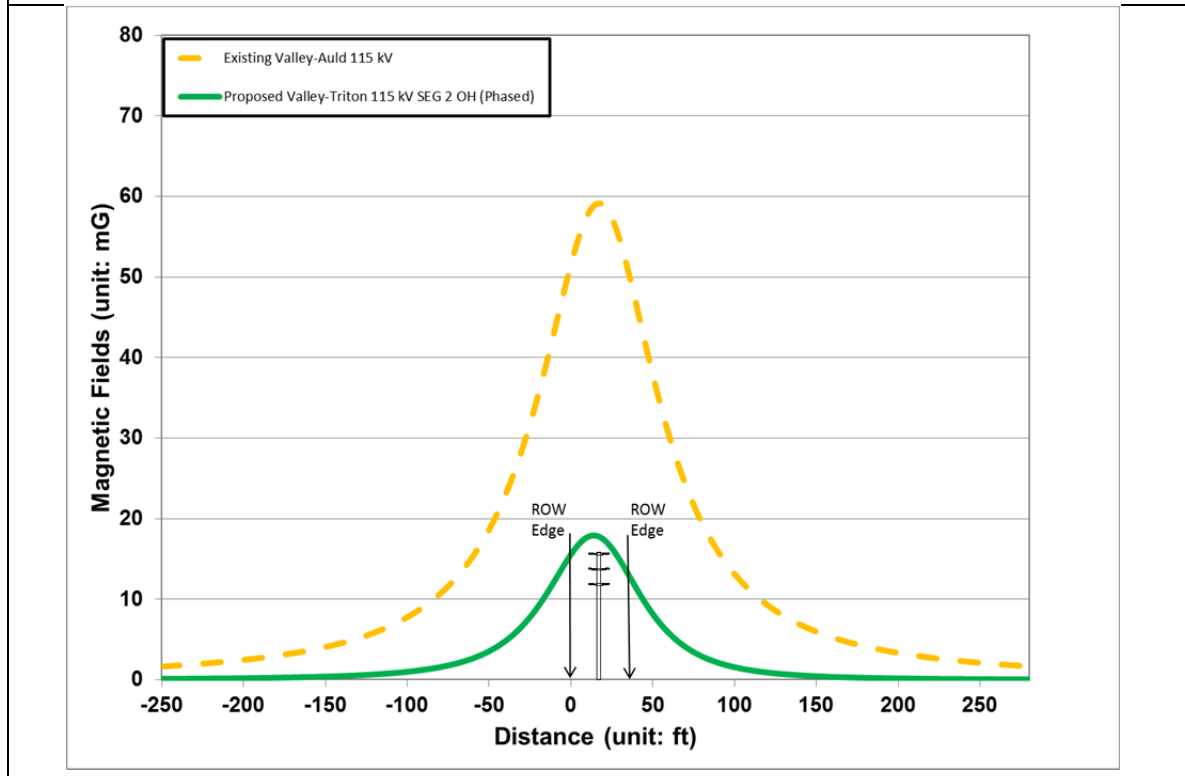


Table 3. Calculated Magnetic Field Levels⁴⁸ for Section 2

Design Options	Left Edge of Evaluation (mG)	% Reduction	Right Edge of Evaluation (mG)	% Reduction
Existing	52.0	-	55.0	-
Proposed	15.6	70.0	14.8	73.1

Recommendations for Section 2: *The proposed design includes no-cost field reduction measures. Because the proposed design already incorporates structures with heights meeting or exceeding SCE's preferred design criteria, double-circuit construction that reduces spacing between circuits as compared with single-circuit construction, and arranges phase conductors for magnetic field reduction, no low-cost field reduction measures are recommended.*

⁴⁷ This figure shows calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

⁴⁸ This table lists calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

Subtransmission Line EMF Section 3:

This section consists of the proposed Valley-Triton 115 kV Subtransmission Line back-to-back with the existing Valley-MWD-Stetson 115 kV Subtransmission Line. At the intersection of Briggs and Matthews Roads, the new 115 kV subtransmission line would continue easterly for approximately one mile to the intersection of Leon Road and Grand Avenue requiring the installation of the new 115 kV conductors on new SCE subtransmission facilities.

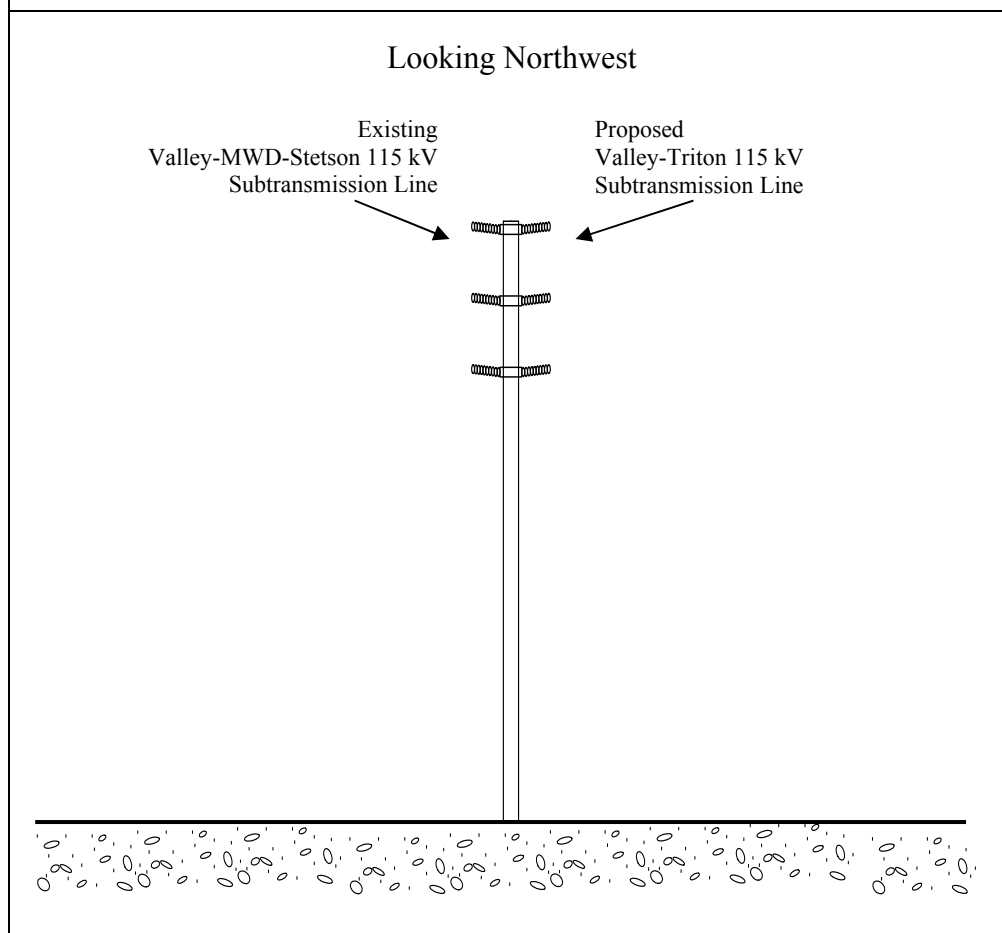
For EMF analysis, calculated field levels were evaluated approximately 15 feet away from the center of the structures. Presently, there are no schools adjacent to Section 3 of the proposed 115 kV subtransmission line route. The proposed route for Section 3 is adjacent to agricultural and undeveloped land.

No-Cost Field Reduction Measures: The proposed design for Section 3 includes the following no-cost field reduction measures:

- Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria.
- Utilize double-circuit construction that reduces spacing between circuits as compared with existing single-circuit construction.
- Arrange conductors of subtransmission lines for magnetic field reduction

Low-Cost Field Reduction Options: The proposed design incorporates the above listed no-cost field reduction measures that meet SCE's preferred design criteria. No low-cost reduction measures were considered for this section of the Project.

**Figure 6. Proposed Valley South Project – Section 3:
Double-Circuit 115 kV Overhead Structure Design⁴⁹**



Magnetic Field Calculations: Calculated magnetic field levels for the proposed design are shown in Figure 7 and Table 4 that follow. These calculations were made using the proposed TSP with a minimum height of 65 feet (above ground).

⁴⁹ Figure is not to scale.

**Figure 7. Calculated Magnetic Field Levels⁵⁰ for Line Section 3:
Proposed 115 kV Subtransmission Line (Looking Northwest)**

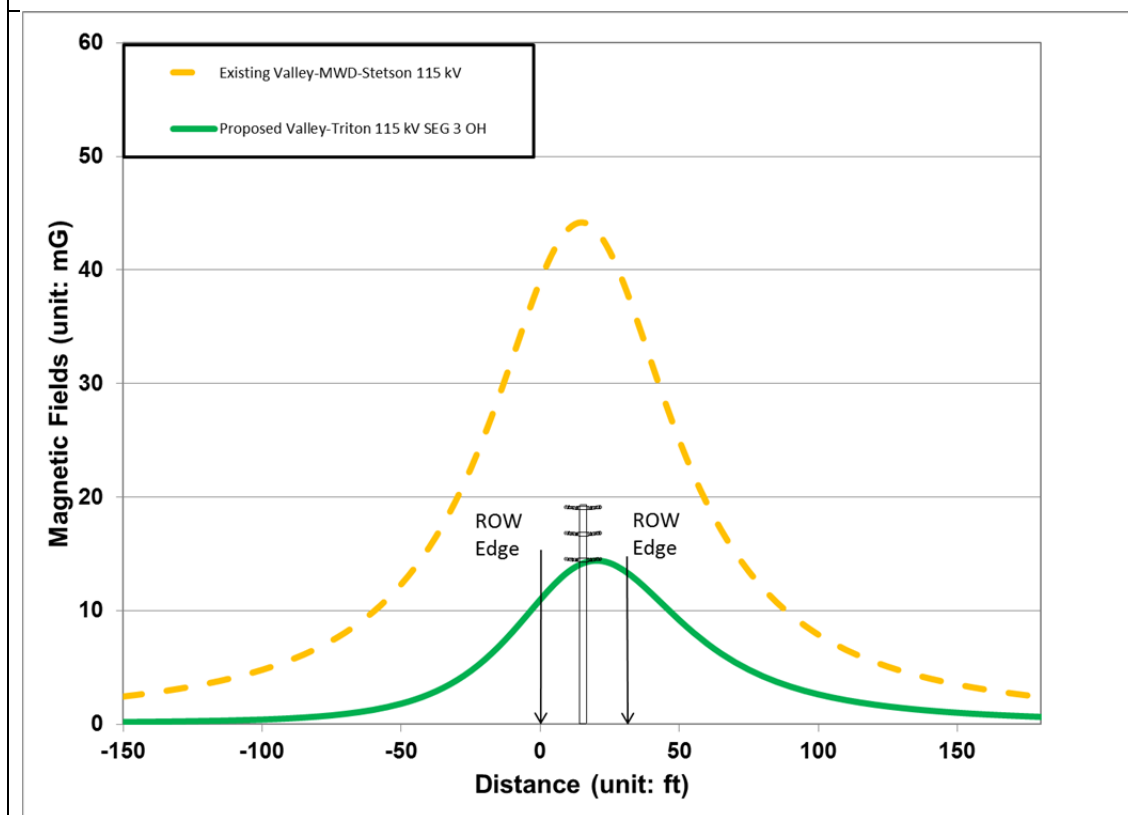


Table 4. Calculated Magnetic Field Levels⁵¹ for Section 3

Design Options	Left Edge of Evaluation (mG)	% Reduction	Right Edge of Evaluation (mG)	% Reduction
Existing	38.1	-	37.8	-
Proposed	11.0	71.1	13.6	64.0

Recommendations for Section 3: *The proposed design includes no-cost field reduction measures. Because the proposed design already incorporates structures with heights meeting or exceeding SCE's preferred design criteria, utilizes double-circuit construction that reduces spacing between circuits as compared with single-circuit construction, and arranges phase conductors for magnetic field reduction, no low-cost field reduction measures are recommended.*

⁵⁰ This figure shows calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

⁵¹ This table lists calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

Subtransmission Line EMF Section 4:

This section consists of the Proposed Valley-Triton 115 kV Subtransmission Line in single-circuit construction along the side of Leon Road between Grand Avenue and Benton Road (See Figure 8). The new 115 kV subtransmission line would continue south from the intersection of Leon Road and Grand Avenue for approximately 9 miles to the intersection of Benton Road and Leon Road. The new 115 kV subtransmission line would be approximately 12 miles in length from Valley Substation to the TSP located at the southeast corner of Benton Road and Leon Road.

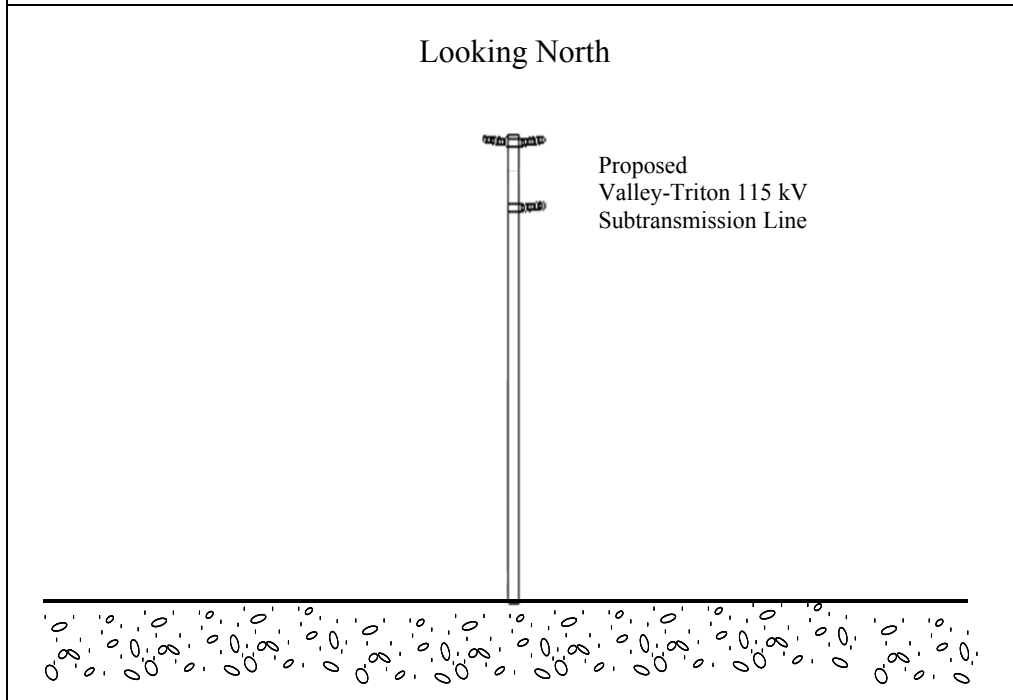
For EMF analysis, calculated field levels were evaluated approximately 15 feet away from the center of the structures. Presently, there are no schools adjacent to Section 4 of the proposed 115 kV subtransmission line route. The proposed route for Section 4 is adjacent to residential, commercial / industrial, recreational, agricultural, and undeveloped land.

No-Cost Field Reduction Measures: The proposed design for Section 4 includes the following no-cost field reduction measures:

- Utilize structure heights that meet or exceed SCE's preferred EMF design criteria
- Utilize subtransmission line construction that reduces the space between conductors compared with other designs

Low-Cost Field Reduction Options: The proposed design incorporates the above listed no-cost field reduction measures that meet SCE's preferred design criteria; no low-cost reduction measures were considered for this section of the Project.

**Figure 8. Proposed Valley South Project – Section 4
Single-Circuit 115 kV Overhead Structure Design⁵²**



Magnetic Field Calculations: Calculated magnetic field levels for the proposed design are shown in Figure 9 and Table 5 that follow. These calculations were made using the proposed TSP with a minimum height of 75 feet (above ground).

⁵² Figure is not to scale.

**Figure 9. Calculated Magnetic Field Levels⁵³ for Line Section 4:
Proposed 115 kV Subtransmission Line (Looking North)**

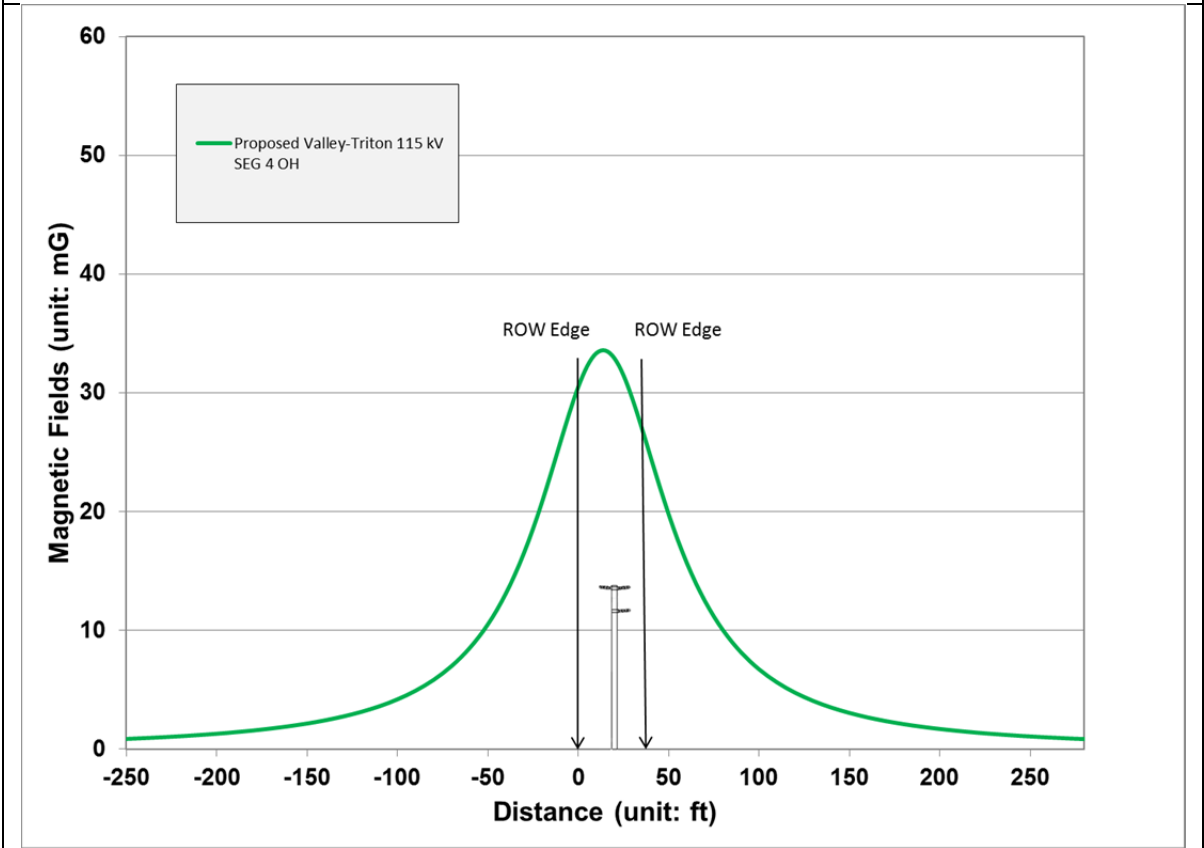


Table 5. Calculated Magnetic Field Levels⁵⁴ for Section 4

Design Options	Left Edge of Evaluation (mG)	% Reduction	Right Edge of Evaluation (mG)	% Reduction
Proposed	30.5	-	29.5	-

Recommendations for Section 4: *The proposed design includes no-cost field reduction measures. Because the proposed design already incorporates structures with heights meeting or exceeding SCE's preferred design criteria and utilizes subtransmission line construction that reduces the space between conductors compared with other designs, no low-cost field reduction measures are recommended.*

⁵³ This figure shows calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

⁵⁴ This table lists calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

Subtransmission Line EMF Section 5:

This section consists of the Proposed Valley-Triton 115 kV Subtransmission Line in double-circuit construction along the side of Leon Road between Benton Road and the Termination Pole on the south side of Nicolas Road (See Figure 10). Beginning at the intersection of Benton Road and Leon Road and continuing south on Leon Road to the south side of Nicolas Road, a section of the existing Valley-Auld-Triton 115 kV Subtransmission Line would be upgraded with new conductor. Construction would include removal of approximately 3.4 miles of 653 kcmil ACSR and installation of non-specular 954 kcmil SAC.

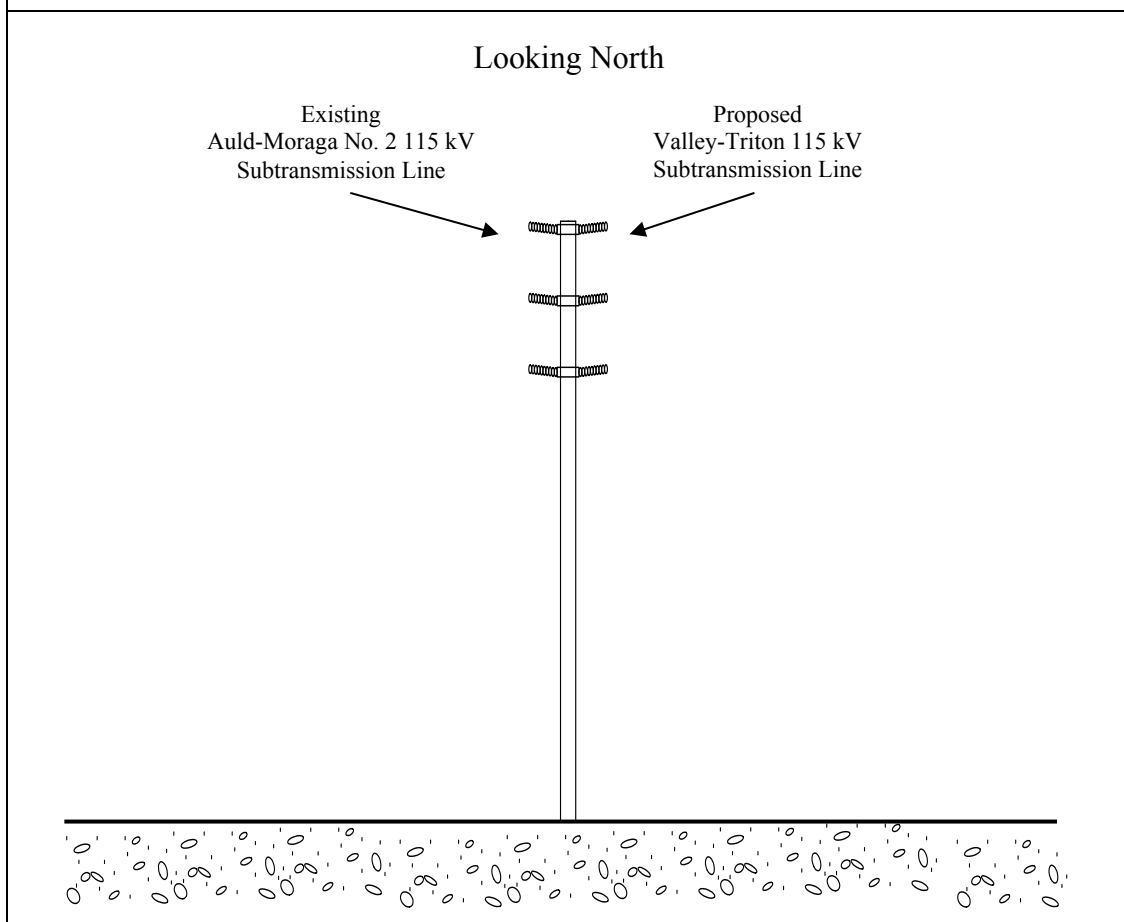
For EMF analysis, calculated field levels were evaluated approximately 15 feet away from the center of the structures. Presently, there are no schools adjacent to Section 5 of the proposed 115 kV subtransmission line route. The proposed route for Section 5 is adjacent to residential, commercial / industrial, recreational, agricultural, and undeveloped land.

No-Cost Field Reduction Measures: The proposed design for Section 5 includes the following no-cost field reduction measures:

- Utilize structure heights that meet or exceed SCE's preferred EMF design criteria
- Utilize double-circuit construction that reduces spacing between circuits as compared with single-circuit construction
- Arrange conductors of subtransmission lines for magnetic field reduction

Low-Cost Field Reduction Options: The proposed design incorporates the above listed no-cost field reduction measures that meet SCE's preferred design criteria; no low-cost reduction measures were considered for this section of the Project.

**Figure 10. Proposed Valley South Project – Section 5
Double-Circuit 115 kV Overhead Structure Design⁵⁵**



Magnetic Field Calculations: Calculated magnetic field levels for the proposed design are shown in Figure 11 and Table 6 that follow. These calculations were made using the proposed TSP with a minimum height of 75 feet (above ground).

⁵⁵ Figure is not to scale.

**Figure 11. Calculated Magnetic Field Levels⁵⁶ for Line Section 5:
Proposed 115 kV Subtransmission Line (Looking North)**

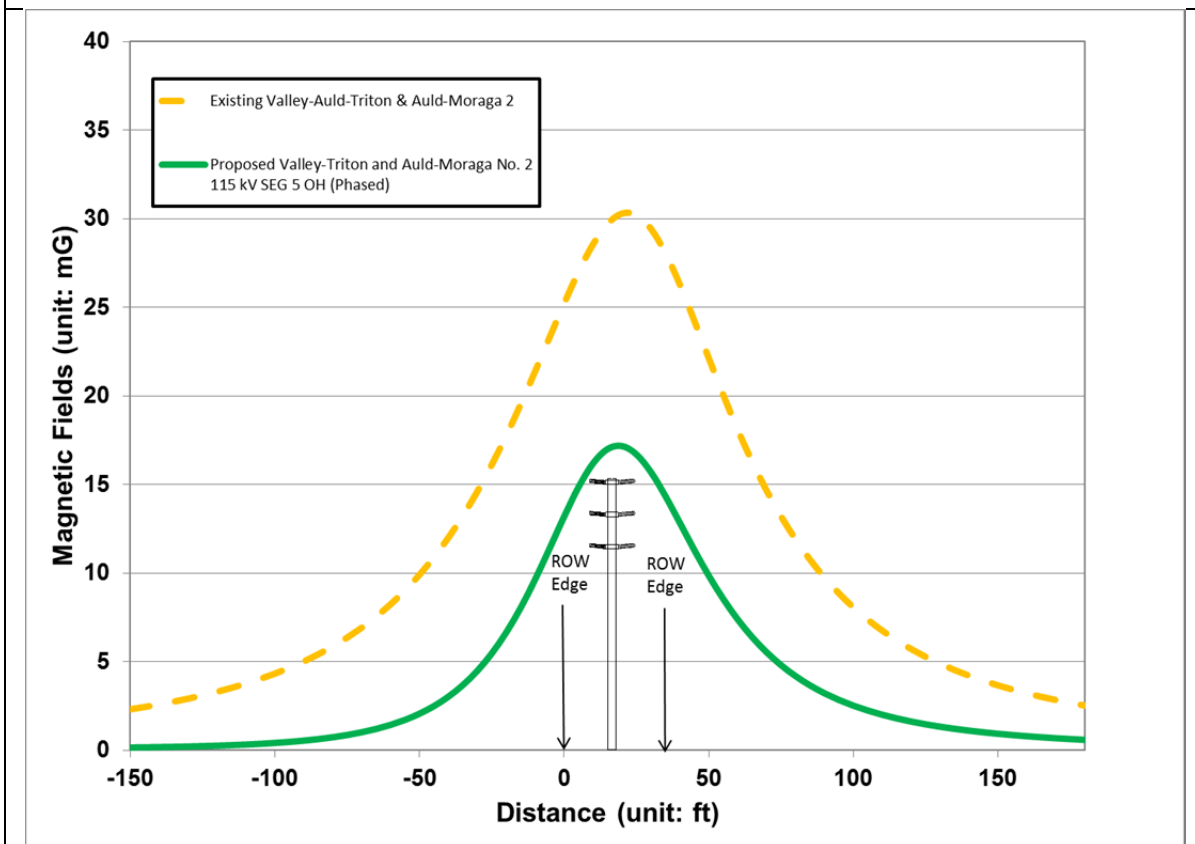


Table 6. Calculated Magnetic Field Levels⁵⁷ for Section 5

Design Options	Left Edge of Evaluation (mG)	% Reduction	Right Edge of Evaluation (mG)	% Reduction
Existing	25.2	-	29.5	-
Proposed	13.2	47.6	15.7	46.8

Recommendations for Section 5: *The proposed design includes no-cost field reduction measures such as utilizing structure heights meeting or exceeding SCE's preferred design criteria, no low-cost field reduction measures are recommended.*

⁵⁶ This figure shows calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

⁵⁷ This table lists calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

VI. FINAL RECOMMENDATIONS FOR IMPLEMENTING “NO-COST AND LOW-COST” MAGNETIC FIELD REDUCTION DESIGN OPTIONS

In accordance with the “EMF Design Guidelines”, filed with the CPUC in compliance with CPUC Decisions 93-11-013 and 06-01-042, SCE would implement the following “no-cost” magnetic field reduction design options for the Project:

Proposed 115 kV Modifications at Existing Valley Substation:

The scope of work includes modifications at Valley Substation to support the proposed new Valley-Triton 115 kV Subtransmission Line. There are no significant opportunities to reduce magnetic fields based on the scope of the substation work within Valley Substation as part of the Proposed Project.

Proposed 115 kV Subtransmission Lines

Subtransmission Line EMF Section 1 – The proposed Valley-Triton 115 kV Subtransmission Line underground section adjacent to the existing Valley-Auld 115 kV Subtransmission Line.

- Utilize underground subtransmission construction for engineering reasons
- Arrange underground cables of proposed subtransmission line for magnetic field reduction:
 - Specifically, arrange the underground cables of Valley-Triton 115 kV Subtransmission Line as Phases C-A-B, in the top-to-bottom positions, and maintain the existing Valley-Auld 115 kV Subtransmission Line as B-A-C top-to-bottom, or equivalent combination

Subtransmission Line EMF Section 2 – The Proposed Valley-Triton 115 kV Subtransmission Line back-to-back with the existing Valley-Auld 115 kV Subtransmission Line east and west of Briggs Road south of the private (SCE access road/farm road) road.

- Utilize subtransmission structure heights that meet or exceed SCE’s preferred EMF design criteria.
- Utilize double-circuit construction that reduces spacing between circuits as compared with single-circuit construction.
- Arrange conductors of subtransmission lines for magnetic field reduction
 - Specifically, arrange the proposed Valley-Triton 115 kV Subtransmission Line phase conductors as C-A-B, in the top-to-bottom positions, and arrange the Valley-Auld No. 2 115 kV Line phase conductors as B-A-C in the top-to-bottom positions, or equivalent combination.

Subtransmission Line EMF Section 3 – The Proposed Valley-Triton 115 kV Subtransmission Line back-to-back with the existing Valley-MWD-Stetson 115 kV Subtransmission Line on the north side of Matthews Road between Briggs Road and Leon Road.

- Utilize subtransmission structure heights that meet or exceed SCE’s preferred EMF design criteria.
- Utilize double-circuit construction that reduces spacing between circuits as compared with single-circuit construction.
- Arrange conductors of subtransmission lines for magnetic field reduction
 - Specifically, arrange the proposed Valley-Triton 115 kV Subtransmission Line phase conductors as C-A-B, in the top-to-bottom positions, and Valley-MWD-Stetson 115 kV Subtransmission Line phase conductors as B-A-C, in the top-to-bottom positions, or equivalent combination.

Subtransmission Line EMF Section 4 – The Proposed Valley-Triton 115 kV Subtransmission Line in single-circuit construction along the side of Leon Road between Grand Avenue and Benton Road.

- Utilize subtransmission structure heights that meet or exceed SCE’s preferred EMF design criteria.
- Utilize subtransmission line construction that reduces the space between conductors compared with other designs

Subtransmission Line EMF Section 5 – The Proposed Valley-Triton 115 kV Subtransmission Line back-to-back with the existing Auld-Moraga No. 2 115 kV Subtransmission Line from intersection of Benton Road and Leon Road south on Leon Road to the Terminal TSP on Nicolas Road.

- Utilize subtransmission structure heights that meet or exceed SCE’s preferred EMF design criteria.
- Utilize double-circuit construction that reduces spacing between circuits as compared with single-circuit construction.
- Arrange conductors of subtransmission lines for magnetic field reduction
 - Specifically, arrange the proposed Valley-Triton 115 kV Subtransmission Line phase conductors as C-A-B, in the top-to-bottom positions, and arrange the Auld-Moraga No. 2 115 kV Subtransmission Line phase conductors as B-A-C, in the top-to-bottom positions, or equivalent combination.

The recommended “no-cost” magnetic field reduction design options listed above are based upon preliminary engineering design. If the preliminary engineering design is significantly modified in the context of evaluating and implementing the CPUC’s “no-cost and low-cost” EMF Policy, then an Addendum to this FMP will be prepared.

SCE’s plan for applying the above “no-cost” magnetic field reduction design options uniformly for the Project is consistent with the CPUC’s EMF Decisions No. 93-11-013 and No. 06-01-042. Furthermore, the recommendations above meet the CPUC approved EMF Design Guidelines as well as all applicable national and state safety standards for new electrical facilities.

VII. APPENDIX A: TWO-DIMENSIONAL MODEL ASSUMPTIONS AND YEAR 2020 FORECASTED LOADING CONDITIONS

Magnetic Field Model Assumptions:

SCE uses a computer program titled “MFields”⁵⁸ to model the magnetic field characteristics of various transmission designs options. All magnetic field models and the calculated results of magnetic field levels presented in this document are intended only for purposes of identifying the relative differences in magnetic field levels among various transmission line and subtransmission line design alternatives under a specific set of modeling assumptions and determining whether particular design alternatives can achieve magnetic field level reductions of 15 percent or more. The calculated results are not intended to be predictors of the actual magnetic field levels at any given time or at any specific location if and when the Proposed Project is constructed. Typical two-dimensional magnetic field modeling assumptions include:

- All subtransmission lines were modeled using forecasted peak loads (see Tables 7 and 8).
- All conductors were assumed to be straight and infinitely long.
- Average conductor heights accounted for line sag used in the calculation for the subtransmission line designs.
- Magnetic field strength was calculated at a height of three feet above ground.
- Resultant magnetic fields values were presented in this FMP.
- All line currents were assumed to be balanced (i.e., neutral or ground currents are not considered).
- Terrain was assumed to be flat.
- Project dominant power flow directions were used.

⁵⁸ SCE, MFields for Excel, Version 2.0, 2007.

Table 7. Year 2020 Forecasted Loading Conditions for Proposed Project (After Project Completion)		
Line Name	Current (Amps)	Power Flow Direction
Valley-Triton 115 kV	779	Valley to Triton
Valley-Auld No. 2 115 kV	808	Valley to Auld
Valley-MWD-Stetson 115 kV	648	Valley to MWD & Stetson
Auld-Moraga No. 2 115 kV	677	Auld to Moraga

Table 8. Year 2020 Forecasted Loading Conditions For Existing Lines (Before Project Completion)		
Line Name	Current (Amps)	Power Flow Direction
Valley-Auld 115 kV	1081	Valley to Auld
Valley-MWD-Stetson 115 kV	645	Valley to MWD & Stetson
Valley-Auld-Triton 115 kV	1051	Valley to Auld to Triton
Auld-Moraga No. 2 115 kV	616	Auld to Moraga

Notes:

1. Forecasted loading data is based upon scenarios representing load forecasts for 2020. The forecasting data is subject to change depending upon availability of generations, load increase, changes in load demand, and by many other factors.
2. Electrical load flows for the subtransmission lines identified in the tables above are assumed to be in the same direction.

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

In the Matter of the Application of SOUTHERN)
CALIFORNIA EDISON COMPANY (U 338-E))
for a Permit to Construct Electrical Facilities)
With Voltages Between 50 kV and 200 kV:)
Valley South 115kV Subtransmission Project)

CERTIFICATE OF SERVICE

I hereby certify that, pursuant to the Commission's Rules of Practice and Procedure, I have this day served a true copy of the **APPLICATION OF SOUTHERN CALIFORNIA EDISON COMPANY (U 338-E) FOR A PERMIT TO CONSTRUCT ELECTRICAL FACILITIES WITH VOLTAGES BETWEEN 50 kV AND 200 kV: VALLEY SOUTH 115 kV SUBTRANSMISION PROJECT** by the means identified below:

- By placing the copies in sealed envelopes and causing such envelopes to be delivered by hand or by overnight courier to the offices of the Chief ALJ or other addressee(s)

**Chief ALJ Karen Clopton
CPUC
505 Van Ness Avenue
San Francisco, CA 94102**

Executed this **December 15, 2014**, at Rosemead, California.

/s/ Christopher A. Stephens

Christopher A. Stephens
Project Analyst
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