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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: Santa Barbara County Reliability Project	)))))	Application No. _____ (Filed on October 26, 2012) A1210018

APPLICATION OF SOUTHERN CALIFORNIA EDISON COMPANY (U 338-E) FOR A PERMIT TO CONSTRUCT ELECTRICAL FACILITIES WITH VOLTAGES BETWEEN 50 KV AND 200 KV: SANTA BARBARA COUNTY RELIABILITY PROJECT

RUSSELL C. SWARTZ
BETH GAYLORD
TAMMY JONES

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-6634
Facsimile: (626) 302-1926
E-mail: tammy.jones@sce.com

Dated: October 26, 2012

APPLICATION OF SOUTHERN CALIFORNIA EDISON COMPANY (U 338-E) FOR A PERMIT TO CONSTRUCT ELECTRICAL FACILITIES WITH VOLTAGES BETWEEN 50 KV AND 200 KV: SANTA BARBARA COUNTY RELIABILITY PROJECT

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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 Santa Barbara County Reliability Project (Project). The Project consists of the following major components: (1) reconstructing existing 66 kV subtransmission facilities within existing and new utility rights-of-way (ROW) between the existing Santa Clara Substation in Ventura County and the existing Carpinteria Substation located in the City of Carpinteria in Santa Barbara County; (2) modifying subtransmission, substation, and/or telecommunications equipment within the existing Carpinteria Substation, Casitas Substation, Getty Substation, Goleta Substation, Ortega Substation, Santa Barbara Substation, Santa Clara Substation, and Ventura Substation; and (3) installing fiber optic telecommunications equipment for the protection, monitoring and control of subtransmission and substation equipment.

As discussed in greater detail in Section II below, SCE originally commenced construction of the Project in 1999 under the assumption that the Project was exempt from

CPUC permitting pursuant to G.O. 131-D Section III.B.1., as well as permitting under the California Coastal Act (Pub. Resources Code § 30000 *et seq*.). However, in 2004 that exemption was questioned and ultimately SCE was directed to file an application for a PTC. Considering that history, as well as the fact that SCE has made subsequent slight modifications to the original Project design (which likely would render the Project outside the scope of exemptions under G.O. 131-D), SCE has therefore prepared this application.

II. BACKGROUND AND SUMMARY OF REQUEST

The purpose of the Project is to ensure the availability of safe and reliable electric service to help meet customer electrical demand in the Santa Barbara County South Coast area (SB South Coast area) during emergency conditions while also enhancing operational flexibility. The SB South Coast area includes the cities of Goleta, Carpinteria, and Santa Barbara, and adjacent areas of unincorporated southern Santa Barbara County (Electrical Needs Area or ENA). In addition to the ENA, customers in northwest Ventura County would also benefit from the modernized facilities.

The Project is needed to improve reliability and address electrical demand under emergency conditions while also maintaining operational flexibility in the ENA. The ENA includes approximately 82,700 metered customers who, under normal operating conditions, are primarily served by the Goleta-Santa Clara No. 1 220 kV Transmission Line and Goleta-Santa Clara No. 2 220 kV Transmission Line.[1] In addition, there are existing 66 kV subtransmission tie lines from the Santa Clara 66 kV Subtransmission System currently serving western Ventura County that also serve as a back-up source to the above-mentioned 220 kV transmission lines in

[1] Metered customers within the ENA include single and multi-family residential, industrial, commercial and institutional land uses (including the University of California Santa Barbara).

the event the 220 kV transmission lines are out of service. However, the 2012 projected peak demand for the ENA served by Goleta Substation is 265 MVA, and the existing back-up 66 kV facilities would not have adequate capacity to serve the entire load if needed during emergency conditions. The three existing back-up 66 kV subtransmission tie lines collectively have a maximum operating limit of 124 MVA under normal operating conditions, but two of these 66 kV subtransmission lines also serve load in the Santa Clara System, which reduces their capacity to serve the ENA if needed. As a result, for prolonged outages, only 100 MVA of load in the ENA can be supported from these 66 kV lines in an emergency situation.[2] Accordingly, SCE projects that 165 MVA of peak load would be dropped and rotating outages would occur in the ENA.

In addition, unique geographical limitations and climatic events have further highlighted the need for a redundant system that could be used in the event of an outage of both of the existing 220 kV transmission lines, especially because the risk of a simultaneous outage is much greater in the ENA. Unlike other areas of SCE's service territory where power is typically delivered via several different transmission routes and/or on separate sets of transmission towers, the Goleta-Santa Clara No. 1 220 kV Transmission Line and Goleta-Santa Clara No. 2 220 kV Transmission Line are located in a single ROW on the same double circuit structures due to the unique geographical features of the area.[3] In the late 1990s, an extreme climatic condition known as El Niño emerged in southern California coastal waters causing continuous heavy

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[2] During a CAISO declared emergency, a third-party owned gas-fired generator could be dispatched by the CAISO to serve additional load in the ENA.

[3] The ENA is located in the most westerly part of the SCE service territory and is relatively isolated as it is bounded by the Pacific Ocean to the south and west, Pacific Gas & Electric's (PG&E's) service territory to the north, and the Los Padres National Forest to the north and east.

rainfall for many days which weakened soils and destabilized several 220 kV tower footings on the Goleta-Santa Clara No. 1 220 kV Transmission Line and Goleta-Santa Clara No. 2 220 kV Transmission Line. This condition, in addition to the geographical constraints discussed above, highlighted the risk of these 220 kV transmission lines being affected by a simultaneous outage.[4] In particular, the loss of a single 220 kV tower could potentially result in prolonged outages to the ENA as repair crews would have to wait until the terrain was stabilized to repair or replace the tower, reconnect any interrupted lines and re-energize the system. SCE estimated that it could take several weeks until terrain was deemed dry and stable enough to support the heavy equipment associated with tower repair or replacement activities. In addition, even after terrain was deemed stable enough to support reconstruction and/or replacement activities, more time would be required to complete the actual replacement or reconstruction, potentially prolonging the timeframe that customers within the ENA may be subjected to rotating outages.

In order to minimize the potential for prolonged customer outages, SCE determined in 1998 that reconductoring to increase the capacity of two of the three existing 66 kV subtransmission tie lines that connect the Santa Clara 66 kV Subtransmission System and Goleta 66 kV Subtransmission System would address the existing limitation in redundant service for the ENA. Based on the forecasted 2012 peak load and considering existing operating procedures, this reconductoring and capacity increase of the 66 kV subtransmission lines would increase the electrical power delivered to the ENA by 80 MVA (from 100 MVA to 180 MVA) during a

[4] Although the late 1990s El Niño condition brought to light the need for back-up service to the ENA, subsequent natural disasters have reinforced the need. For example, portions of the existing 220 kV transmission lines are located in a State-designated Very High Fire Hazard Severity Zone (VHFHSZ). The 2008 Gap Fire in particular affected the 220 kV transmission facilities due to buildup of carbon deposits on the equipment, which resulted in multiple outages to the ENA. In addition, the 2007 Zaca Fire, 2008 Tea Fire, and 2009 Jesusita Fire also threatened the 220 kV transmission lines.

prolonged outage of both 220 kV transmission lines. This system work would enable SCE to serve a majority of the load in the ENA and decrease the amount of load that otherwise would be dropped.

Accordingly, SCE commenced construction of the Project in 1999 under the assumption that the Project was exempt from permitting pursuant to G.O. 131-D and the California Coastal Act. Between 1999 and 2004, the following portions of the Project were constructed: (i) some substation upgrades at Carpinteria Substation, Santa Clara Substation, Goleta Substation, Ortega Substation and Isla Vista Substation; and (ii) approximately 17 miles of reconstructed 66 kV subtransmission infrastructure from Santa Clara Substation to just west of Lake Casitas in Ventura County, and from the Ventura County line west to Carpinteria Substation in Santa Barbara County.

In 2004, the Project's exemption from permitting under the California Coastal Act was questioned. The County of Santa Barbara, which has delegated permitting authority from the California Coastal Commission (Coastal Commission) and has adopted a Local Coastal Program with regulations regarding such permitting, had determined that the Project was exempt from the requirement to obtain a Local Coastal Development Permit. However, Coastal Commission staff determined that the Project did not qualify for an exemption. All construction activities on the Project ceased in late 2004 and SCE submitted an application for a Coastal Development Permit (CDP) to Santa Barbara County in November 2005, which was subsequently replaced in August 2007 with an application to Santa Barbara County for a CDP Requiring a Public Hearing in order to comply with the Coastal Commission staff's direction. In addition, although the Project originally was designed to be constructed entirely on existing SCE property and within existing SCE ROWs, slight modifications have resulted in the need for SCE to locate some Project

components within a small amount of new ROW yet to be acquired. As a result of this need to obtain new ROW, SCE acknowledges that the Project likely would no longer qualify for a G.O. 131-D exemption that would otherwise apply to projects constructed within existing utility ROWs.

The estimated cost of the Project is approximately $51.2 million in 2012 constant dollars.[5] A Proponent's Environmental Assessment (PEA) prepared for the Project is attached to this Application. The PEA will be referenced in this Application, where appropriate, as the source of the information required in an Application for a PTC pursuant to G.O. 131-D, Section IX.B.[6] A complete project description is located in Chapter 3 of the PEA. A statement of purpose and need is located in Chapter 1 of the PEA.

Construction of the remaining portions of the Project is scheduled to begin in mid-2014 and the entire Project is expected to be completed by mid-2016. A schedule for the 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 Project described in this Application and the attached PEA within the timelines set forth in Section III.H. of this Application.

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[5] 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 used during construction are not included in this estimate.

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

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
Attorney
Southern California Edison Company
2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Phone: (626) 302-6634
Fax: (626) 302-1926
tammy.jones@sce.com

With a copy to:

Case Administration
Southern California Edison Company
2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Phone: (626) 302-3101
Fax: (626) 302-3119
case.admin@sce.com

B. Articles Of Incorporation

A copy of 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. 93-06-022[7] 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 June 30, 2012. 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 also in compliance with the Tax Reform Act of 1986. Pursuant to Decision No. 88-01-061, dated

[7] 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.

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,[8] 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.

[8] 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 in the Executive Summary, Chapter 1, Chapter 2, Chapter 3, and throughout Chapter 4.

- The proposed power line route is described in Sections 3.0 ("Project Description") and 3.1 ("Project Components") [including Subsections 3.1.2 ("66 kV Subtransmission Line Description") [including Subsections 3.1.2.1 ("Overview"), 3.1.2.2 ("Segment 1"), 3.1.2.3 ("Segment 2"), 3.1.2.4 ("Segment 3A"), 3.1.2.5 ("Segment 3B"), 3.1.2.6 ("Segment 4"), 3.1.2.7 ("Getty Tap"), 3.1.2.8 ("Subtransmission Work at Carpinteria Substation") and 3.1.2.9 ("Subtransmission Work at Casitas Substation")], and illustrated in Figures 3.0-1 ("Project Components"); 3.1-2a ("Transmission and Subtransmission Lines in the Vicinity of the Project") [including Figures 3.1-2b through 3.1-2f]; 3.1-2b ("Transmission and Subtransmission Lines in the Vicinity of the Project: Segment 1, Getty Tap"); 3.1-8 ("Overview of Proposed Telecommunications Route"); 3.1-10 ("Other Major Work, Subtransmission Structure and Conductor Removal"); 4.4-1a ("Habitat Designations Segment 1 and Getty Tap"); 4.4-1b ("Habitat Designations Segment 2"); 4.4-1c ("Habitat Designations Segments 3A, 3B and 4") and 4.4-2 ("Critical Habitat, Steelhead"). The locations where work would be done at substations are described in Sections 3.0 ("Project Description") and 3.1 ("Project Components") [including Subsections 3.1.1 "(Substations") and 3.1.1.1 ("Modifications to Existing Substations")], and illustrated in Figures 3.0-1 ("Project Components"); 3.1-2a ("Transmission and Subtransmission Lines in the Vicinity of the Project") [including Figures 3.1-2b through 3.1-2f], 3.1-1a ("Existing Carpinteria Substation Area"), 3.1-1b ("Existing Casitas Substation Area") and 3.1-1c ("Existing Santa Clara Substation Area").

- The physical characteristics of the Project's components are described in Sections 3.0 ("Project Description") and 3.1 ("Project Components") [including Subsections 3.1.1

("Substations"), 3.1.1.1 ("Modifications to Existing Substations") and 3.1.1.7 ("Substation Lighting"), 3.1.2 ("66 kV Subtransmission Line Description"), 3.1.2.2 ("Segment 1"), 3.1.2.3 ("Segment 2"), 3.1.2.4 ("Segment 3A"), 3.1.2.5 ("Segment 3B"), 3.1.2.6 ("Segment 4"), 3.1.2.7 ("Getty Tap"), 3.1.2.8 ("Subtransmission Work at Carpinteria Substation"), 3.1.2.9 ("Subtransmission Work at Casitas Substation"), 3.1.2.10 ("Access and Spur Roads"), 3.1.2.11 ("66 kV Subtransmission Line Infrastructure"), 3.1.3 ("Telecommunications System"), 3.1.3.1 ("Telecommunications – Facilities at Existing Substations"), 3.1.3.2 ("Telecommunications Description") and 3.1.4 ("Other Major Work")], and illustrated in Figures 3.1-3 ("Subtransmission Duct Bank Detail"), 3.1-4a ("Types of Mechanically Stabilized Embankments"), 3.1-4b ("Location of Mechanically Stabilized Embankments"), 3.1-5 ("Typical Pole Design"), 3.1-7 ("SCE Telecommunications Conduit Installation Detail") and 3.1-8 ("Other Major Work, Subtransmission Structure and Conductor Removal").

- The Project Schedule is discussed in Section 3.13 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 1.1-1 ("Regional Map"), 4.1-1 ("Regional Landscape Context and Substation Photograph Locations") and 4.1-2 ("Regional Landscape Context and Substation Photograph Locations (Detail)")] and Project area [Figures 1.2 ("Electrical Needs Area"); 3.0-1 ("Project Components"); 3.2-1 ("Proposed Staging Yard Locations"); 4.2-1a ("Important Farmlands and Williamson Act Lands (West)"); 4.2-1b ("Important Farmlands and Williamson Act Lands (East)"); 4.4-1a ("Habitat Designations Segment 1 and Getty Tap"); 4.4-1b ("Habitat Designations Segment 2"), 4.4-1c ("Habitat Designations Segments 3A, 3B, and 4"); 4.10-1a ("Segment 1 & Getty Tap, Land Use Designations"); 4.10-1b ("Segment 1 & Getty Tap, Zoning"); 4.10-2a ("Segment 2, Land Use Designations"); 4.10-2b ("Segment 2, Zoning"); 4.10-3a ("Segment 3A, Land Use Designations"); 4.10-3b ("Segment 3A, Zoning"); 4.10-4a ("Segment 3B, Land Use Designations"); 4.10-4b ("Segment 3B, Zoning"); 4.10-5a ("Segment 4, Land Use Designations"); 4.10-5b ("Segment 4, Zoning"); 4.10-6a ("Santa Clara Substation, Land Use Designations"); 4.10-6b ("Santa Clara Substation, Zoning"); 4.10-7a ("Casitas Substation, Land Use Designations"); 4.10-7b ("Casitas Substation, Zoning"); 4.10-8a ("Carpinteria Substation, Land Use Designations"); 4.10-8b ("Carpinteria Substation, Zoning"); 4.14-1a ("Public Services and Schools"); 4.14-1b ("Public Services and Schools"); 4.14-1c ("Public Services and Schools"); 4.15-1a ("Local Parks"); 4.15-1b ("Local Parks") and 4.15-1c ("Local Parks")] maps and aerial photographs showing existing features, including land uses and populated areas, are provided in the PEA.

- Maps of current land uses, including designation of parks, recreational, and scenic areas are provided as Figures 4.1-9 ("Scenic Highways and Scenic Areas"), 4.2-1a ("Important Farmlands and Williamson Act Lands (West)"), 4.2-1b ("Important Farmlands and Williamson Act Lands (East)"), 4.10-1a ("Segment 1 & Getty Tap, Land Use Designations"); 4.10-1b ("Segment 1 & Getty Tap, Zoning"); 4.10-2a ("Segment 2, Land Use Designations"); 4.10-2b ("Segment 2, Zoning"); 4.10-3a ("Segment 3A, Land Use Designations"); 4.10-3b ("Segment 3A, Zoning"); 4.10-4a ("Segment 3B, Land Use Designations"); 4.10-4b ("Segment 3B, Zoning"); 4.10-5a ("Segment 4, Land Use Designations"); 4.10-5b ("Segment 4, Zoning"); 4.10-6a ("Santa Clara Substation, Land Use Designations"); 4.10-6b ("Santa Clara Substation, Zoning"); 4.10-7a ("Casitas Substation, Land Use Designations"); 4.10-7b ("Casitas Substation, Zoning"); 4.10-8a ("Carpinteria Substation, Land Use Designations"); 4.10-8b ("Carpinteria Substation, Zoning"); 4.14-1a ("Public Service and Schools"); 4.14-1b ("Public Service and Schools"); 4.14-1c ("Public Service and Schools"); 4.15-1a ("Local Parks"); 4.15-1b ("Local Parks"); 4.15-1c ("Local Parks") and 4.15-2 ("Los Padres National Forest Land Use Zones").

- Maps showing the locations of the existing substations where work would be done as part of the Project, as well as the location of the 66 kV subtransmission line route, and proximity to existing electrical transmission and power lines, are provided as Figures 3.0-1 ("Project Components"); 3.1-2a ("Transmission and Subtransmission Lines in the Vicinity of the Project") [including Figures 3.1-2a through 3.1-2f], 3.1-1a ("Existing Carpinteria Substation Area"), 3.1-1b ("Existing Casitas Substation Area") and 3.1-1c ("Existing Santa Clara Substation Area").

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 66 kV subtransmission line work and substation modifications, including the challenges and additional environmental impacts associated with alternative routes and sites, are discussed in Sections 2.0 ("Project Alternatives"); 2.1 ("Subtransmission Line Route Alternatives Considered") [including Subsections 2.1.1 ("Subtransmission Line Alternative 1, Reconstruction of Aboveground Facilities within Existing Utility ROW"), 2.1.2 ("Subtransmission Line Route Alternative 2, Partial New Line Route") and 2.1.3 ("Subtransmission Line Route Alternative 3, Undergrounding")]; 2.2 ("Subtransmission Line Route Recommendation") and 5.0 ("Comparison Of Alternatives"). 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. The Project would be generally consistent with the policy of the CPUC, as reflected in the Garamendi Principles (SB 2431, Chapter 1457, Statutes of 1988, Garamendi), to encourage the use of existing utility ROWs. Locating electric facilities in the same ROW maximizes the

use of property already used for utility purposes and minimizes the potential environmental impacts.

- Two alternative routes were analyzed and eliminated from further consideration in the PEA because they failed to meet basic project objectives, would not be as technically feasible, and/or would not avoid or substantially reduce potential environmental effects of the Project.

  - One alternative would relocate the 66 kV subtransmission line to a location other than the existing utility ROW where the existing line is currently located, diverging from the existing route by following SR-192 from its junction with SR-150 in the east to the point where SR-192 and Shepard Mesa Road intersect in the west. This alternative would be longer than the route within SCE's existing ROW and would require a significantly larger scope of work. As a result, in addition to requiring the acquisition of new land rights, this alternative would likely generate greater environmental impacts – including impacts related to new land disturbance, air pollutant emissions and aesthetics – compared to the Project as proposed by SCE.

  - A second alternative would provide for the undergrounding of those facilities yet to be constructed. However, undergrounding would also generate a substantial amount of additional environmental impacts compared to the Project as proposed, including biological and cultural resources impacts from additional land disturbance, air pollutant emissions and noise associated with excavation work and impacts to hydrology resulting from vegetation removal. In addition, undergrounding would be technically challenging due to the physical environment in the vicinity of the Project. For example, some portions of the 66 kV subtransmission line route traverse areas with steep slopes and grades, rocky terrain, and numerous intermittent or perennial streams; underground construction in these areas would be challenging and much more costly when compared to aboveground construction given the diverse terrain.

- In contrast to these alternatives, the Project as proposed would be constructed predominantly within existing utility ROW, would be technically feasible and would generate fewer environmental impacts.

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 met and/or had conversations with representatives from the City of Carpinteria over the past several years and more recently on several occasions between January and

October 2012. These representatives included City Manager David Durflinger, Assistant City Manager Kevin Silk, Mayor Al Clark, Councilmember Gregg Carty, Councilmember Brad Stein, Councilmember Joe Amerndariz, Councilmember Kathleen Reddington, Public Works Director Charlie Ebeling, Community Development Director Jackie Campbell and Volunteer and Emergency Services Coordinator Julie Jeakle. Project information, including the location and routes of the power lines, substations where work would occur, and characteristics of the fiber optic telecommunication cable, was presented and discussed at these meetings. SCE believes the position of the City of Carpinteria to be neutral towards the Project.

- SCE met and/or had conversations with representatives from the County of Ventura on several occasions between January and October 2012, including Steve Offerman, District Director for the Honorable Steve Bennett, Supervisor from the Third District, in whose district part of the Project would be located, as well as Discretionary Permit Director Winston Wright. Project information, including the location and routes of the power lines, substations where work would occur and characteristics of the fiber optic telecommunication cable, was presented and discussed at these meetings. SCE believes the position of the County of Ventura to be neutral towards the Project.

- SCE met and/or had conversations with representatives from the County of Santa Barbara over the past several years and more recently on several occasions between January and October 2012, including the Honorable Salud Carbajal, Supervisor from the First District, in whose district a part of the Project would be located; the Honorable Janet Wolf, Supervisor from the Second District; the Honorable Doreen Farr, Supervisor from the Third District; Executive Officer Chandra Wallar; Planning Department representatives Anne Almy and Julie Harris; Parks Department representative Claude Garciacelay; Office of Emergency Services representatives Michael Harris and Richard Abrams; and Fire Department Chief Michael Dyer. Project information, including the location and routes of the power lines, substations where work would occur and characteristics of the fiber optic telecommunication cable, was presented and discussed at these meetings. SCE believes the position of the County of Santa Barbara to be neutral towards the Project.

- Even though the Project would not be located within the City of Santa Barbara, SCE also met and/or had conversations with representatives from the City of Santa Barbara on several occasions between January and October 2012, including Mayor Helene Schneider, Vice Mayor Grant House, Councilmember Cathy Murillo, Councilmember Frank Hotchkiss, Councilmember Randy Rowse, Councilmember Dale Francisco, City Administrator Jim Armstrong and Public Works Director Christine Andersen. SCE believes the position of the City of Santa Barbara to be neutral towards the Project.

- Even though the Project would not be located within the City of Goleta, SCE also met and/or had conversations with representatives from the City of Goleta on several occasions between January and October 2012, including Mayor Margaret Connell, Mayor Pro-Tem Paula Perotte, Councilmember Roger Aceves, Councilmember Michael

Bennett, Councilmember Edward Easton, City Manager Dan Singer and Public Works Director Robert Morgenstern. SCE believes the position of the City of Goleta to be neutral towards the Project.

- SCE has communicated with representatives from the United States Forest Service (USFS) regarding the Project on several occasions, and sought USFS authorization to do work within the Los Pardes National Forest (LPNF). For example, in 2010, SCE applied for and obtained an amendment to SCE's existing Special Use Permit (SUP) for authorization to replace existing structures as part of the Project. In addition, in early 2012, SCE had conversations with USFS representatives regarding some Project information, including the location and routes of fiber optic telecommunication cable yet to be installed, and in March 2012, SCE submitted a request to USFS for, among other things, a further extension of SCE's existing Special Use Permit and approval to install fiber optic telecommunication equipment associated with the portion of the Project located within the LPNF. Then, in May 2012, SCE submitted a detailed request to USFS for authorization to undertake field work and analysis that would support review of the portion of the Project located within the LPNF. Shortly thereafter, USFS issued a written approval of the field work authorization. (The SUP amendment, SCE's 2012 application for further amendment of the SUP and the 2012 USFS field work authorization are all included in Appendix C of the PEA.) SCE believes the position of the USFS to be neutral towards the Project.

- In 2012, SCE requested the Native American Heritage Commission (NAHC) provide information regarding cultural resources that may be affected by the Project. The NAHC responded that a search of the Sacred Lands File revealed that no Native American cultural resources were identified within the immediate Project area. The NAHC also suggested that SCE consult with Native American tribes and communities and Native American individuals who have special interest in the Project area, and provided a list of those individuals (*See* February 14, 2012 letter from Katy Sanchez to Zach Wilson re: Santa Barbara County Reliability Project, Ventura and Santa Barbara County, attached to the PEA in Appendix C). SCE sent a certified letter on February 27, 2012, to the 21 Tribal entities and individuals on the NAHC list. The letter described the Project and encouraged participation in the Project review process to enhance preservation of sacred lands or resources that might be present within the Project's area of potential effect. (Copies of these letters are also included in PEA Appendix C.) To date, responses noting interest have been received from two individuals. Mr. Freddy Romero (Santa Ynez Band of Mission Indians) requested a copy of the cultural resources technical report after the document is finalized and prior to the circulation of CPUC's CEQA document for the Project. Ms. Beverley Salazar-Folkes (Chumash, Tataviam, Fernandeño) requested via phone that a monitor be present during ground-disturbing activities. SCE attempted follow-up phone calls to the remaining individuals between April 11 and April 16, 2012. Of the individuals contacted via phone, Suzy Ruiz-Parra (Chumash) requested that an archaeological monitor be present if earth-disturbing activities occurred near archaeological sites, and two additional individuals (Randy Guzman Folkes [Chumash, Tataviam, Fernandeño Shoshone Paiute, Yaqui] and Melissa Parra-Hernandez

[Chumash]) requested that the Project information be resent to them; this information was resent in early 2012.

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:

- October 2012 Application filed
- November 2012 Application accepted as complete

- December 2012 Initial Study issued
- May 2013 Draft CEQA document issued
- August 2013 Final CEQA document issued
- September 2013 Proposed Decision issued
- October 2013 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 E and the attached PEA listed below are made a part of this Application:

- Appendix A: Balance Sheet and Statement of Income as of June 30, 2012.
- Appendix B: List of Counties and Municipalities Served by SCE

- Appendix C: Santa Barbara County Reliability 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 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.[9]

[9] 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/Paul L. Multari

By: Paul L. Multari
Vice President

/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) 302-1926
E-mail: tammy.jones@sce.com

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 **26th day of October, 2012**, at Brea, California.

/s/Paul L. Multari

By: Paul L. Multari
Vice President
SOUTHERN CALIFORNIA EDISON COMPANY
Telephone: (714) 255-4894

APPENDIX A

BALANCE SHEET AND STATEMENT OF INCOME AS OF JUNE 30, 2012

SOUTHERN CALIFORNIA EDISON COMPANY

BALANCE SHEET

JUNE 30, 2012

A S S E T S

(Unaudited)

(Millions of Dollars)

UTILITY PLANT:	
Utility plant, at original cost	$31,367
Less - Accumulated depreciation	(7,153)
	24,214
Construction work in progress	3,954
Nuclear fuel, at amortized cost	540
	28,708
OTHER PROPERTY AND INVESTMENTS:	
Nonutility property - less accumulated depreciation of $113	70
Nuclear decommissioning trusts	3,810
Other Investments	110
	3,990
CURRENT ASSETS:	
Cash and cash equivalents	41
Receivables, less allowances of $74 for uncollectible accounts	721
Accrued unbilled revenue	726
Inventory	335
Prepaid taxes	275
Derivative assets	45
Regulatory assets	586
Other current assets	234
	2,963
DEFERRED CHARGES:	
Regulatory assets	5,776
Derivative assets	59
Other long-term assets	507
	6,342
	$42,003

SOUTHERN CALIFORNIA EDISON COMPANY

BALANCE SHEET

JUNE 30, 2012

CAPITALIZATION AND LIABILITIES

(Unaudited)

(Millions of Dollars)

CAPITALIZATION:	
Common stock	$2,168
Additional paid-in capital	595
Accumulated other comprehensive loss	(24)
Retained Earnings	6,282
Common shareholder's equity	9,021
Preferred and preference stock	1,795
Long-term debt	8,827
	19,643
CURRENT LIABILITIES:	
Short-term debt	300
Accounts payable	1,070
Accrued taxes	35
Accrued interest	192
Customer deposits	195
Derivative liabilities	173
Regulatory liabilities	721
Other current liabilities	589
	3,275
DEFERRED CREDITS:	
Deferred income taxes	6,339
Deferred investment tax credits	81
Customer advances	150
Derivative liabilities	796
Pensions and benefits	2,333
Asset retirement obligations	2,691
Regulatory liabilities	5,038
Other deferred credits and other long-term liabilities	1,657
	19,085
	$42,003

SOUTHERN CALIFORNIA EDISON COMPANY

STATEMENT OF INCOME

6 MONTHS ENDED JUNE 30, 2012

(Millions of Dollars)

OPERATING REVENUE	$5,063
OPERATING EXPENSES:	
Fuel	138
Purchased power	1,437
Operation and maintenance	1,717
Depreciation, decommissioning and amortization	788
Property and other taxes	156
Total operating expenses	4,236
OPERATING INCOME	827
Interest income	3
Other income	67
Interest expense	(249)
Other expenses	(26)
INCOME BEFORE INCOME TAX	622
INCOME TAX EXPENSE	208
NET INCOME	414
Less: Dividends on preferred and preference stock	41
NET INCOME AVAILABLE FOR COMMON STOCK	$373

APPENDIX B

LIST OF COUNTIES AND MUNICIPALITIES

Citizens or some of the citizens of the following counties and municipal corporations will or may be affected by the changes in rates proposed herein.

COUNTIES

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

MUNICIPAL CORPORATIONS

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

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

APPENDIX C

SANTA BARBARA COUNTY RELIABILITY PROJECT SCHEDULE

Proposed Santa Barbara County Reliability Project Schedule

Date	Event
October 2012	Application filed
November 2012	Application accepted as complete
December 2012	Initial Study issued
May 2013	Draft CEQA document issued
August 2013	Final CEQA document issued
September 2013	Proposed Decision issued
October 2013	Final Decision issued
June 2014	Commence construction
June 2016	Operating date

APPENDIX D

NOTICE OF APPLICATION FOR A PERMIT TO CONSTRUCT

NOTICE OF APPLICATION FOR A PERMIT TO CONSTRUCT

SANTA BARBARA COUNTY RELIABILITY PROJECT
Date: October 26, 2010

Project: Southern California Edison Company (SCE) has filed an application with the California Public Utilities Commission (CPUC) for a Permit to Construct (PTC) for the Santa Barbara County Reliability Project (Project).

The purpose of the Project is to increase reliability by reinforcing the existing 66 kilovolt (kV) subtransmission system in northwestern Ventura County and southeastern Santa Barbara County to meet the electrical demands of the south coast of Santa Barbara County (SB South Coast area) during emergency conditions while also enhancing operational flexibility. The SB South Coast area includes the cities of Goleta, Carpinteria, Santa Barbara and adjacent unincorporated southern Santa Barbara County which defines the Electrical Needs Area (ENA) for the Project.

- The Project includes the following elements that have yet to be constructed for which SCE is seeking approval from the CPUC, and where applicable, a Coastal Development Permit from the County of Santa Barbara or the City of Carpinteria (please refer to the attached map). Activities would include: Reconstructing existing 66 kV subtransmission facilities primarily within existing utility right-of-way (ROW) between the existing Santa Clara Substation in Ventura County and the existing Carpinteria Substation located in Santa Barbara County:

  - Segment 1. Between Santa Clara Substation (located on Elizabeth Road in unincorporated Ventura County) and Casitas Substation (located on North Ventura Avenue), approximately 40 subtransmission tower foundations would be removed, and telecommunications cable fittings and several switches and related appurtenances would be installed on existing steel subtransmission poles and towers constructed between 1999 and 2004.
  - Segment 2. Between Casitas Substation (located on North Ventura Avenue in unincorporated Ventura County) and a point approximately four miles west of the substation in unincorporated Ventura County near the intersection of SR-150 and Red Mountain Road, telecommunications cable fittings and switch apparatus would be installed on existing steel subtransmission poles and towers constructed between 1999 and 2004, and approximately 20 subtransmission tower foundations would be removed.
  - Segment 3A. Between 1999 and 2004, approximately 3.7 miles of conductor and approximately 50 new steel subtransmission poles were installed and 50 existing subtransmission wood poles and existing conductor were removed between Carpinteria Substation (located on Foothill Road in the City of Carpinteria) and the terminus of Segment 3A at the Santa Barbara County/Ventura County border in the vicinity of the intersection of SR-150 and SR-192. Minor remaining work would include installing approximately 2.3 miles of a single wire (a fault return conductor) on LWS poles, transferring distribution circuits from six remaining topped wood subtransmission poles to steel subtransmission poles, and removing approximately 15 topped wood subtransmission poles.
  - Segment 3B. Approximately 5.2 miles of new conductor would be installed on approximately 21 new steel subtransmission poles between the terminus of Segment 3A on the Santa Barbara County/Ventura County border east to the western terminus of Segment 2. Thirty-one existing steel towers and existing conductor would be removed.
  - Segment 4. Between the terminus of Segment 2 and Carpinteria Substation, approximately 10.9 miles of new conductor would be installed on 64 new steel subtransmission poles, and 78 existing steel towers and conductor would be removed.
  - Getty Tap. Located approximately in the middle of Segment 1 in unincorporated Ventura County east of Cañada Larga Road, the Getty Tap would require the installation of nine new steel subtransmission structures and approximately 900 feet of new conductor and the removal of six wood subtransmission structures and approximately 200 feet of existing conductor.

- Modifying existing SCE Substations:

  - Electrically reconfigure Santa Clara Substation, Casitas Substation, and Carpinteria Substation, which would not involve any expansion of the substation sites.

  - Line protection relay upgrades within existing substation equipment rooms or cabinets at Goleta Substation (located on Glen Annie Road north of the City of Goleta), Getty Substation (located east of North Ventura Avenue in unincorporated Ventura County), Ortega Substation (located on Via Real east of Greenwell Ave.), and Santa Barbara Substation (located near the intersection of N. Quarantina St. and E. Gutierrez St.).

- Installing new telecommunications equipment at the existing Santa Clara Substation, Casitas Substation, Carpinteria Substation, and Ventura Substation (located near the intersection of S. Ventura Ave. and W. Santa Clara St.), and installing new overhead fiber optic telecommunications cable on existing and new subtransmission structures from Santa Clara Substation to Casitas Substation, and Casitas Substation to Carpinteria Substation.

Construction is scheduled to begin in mid-to-late 2014. The Project is planned to be operational by mid-to-late 2016.

EMF Compliance: The CPUC requires utilities to employ "no-cost" and "low-cost" measures to reduce public exposure to electric and magnetic fields (EMF). In accordance with "EMF Design Guidelines" filed with the CPUC in compliance with CPUC Decisions 93-11-013 and 06-01-042, SCE would implement the following measure(s) for the proposed project:

1. Utilizing subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria
2. Arranging conductors of the proposed subtransmission lines for magnetic field reduction
3. Utilizing double-circuit construction that reduces spacing between circuits as compared with single-circuit constructions
4. Placing new substation electrical equipment (such as breakers, switchracks, and buses and underground duct banks) away from the substation property lines closest to populated areas.

Environmental Review: SCE has prepared a Proponent's Environmental Assessment (PEA) which includes analysis of potential environmental impacts that could be created by the construction and operation of the Project. The PEA concludes that with the implementation of Applicant Proposed Measures (APMs), any potential significant environmental effects associated with the Project would be reduced to less than significant levels.

Pursuant to the California Environmental Quality Act (CEQA), the CPUC's Energy Division will conduct an independent review of the 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 potentially 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 enviro_team@cpuc.ca.gov or (415) 703-2126.

- Persons wishing to present testimony in evidentiary hearings and/or legal briefing on all other issues, including 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 November 26, 2012 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.

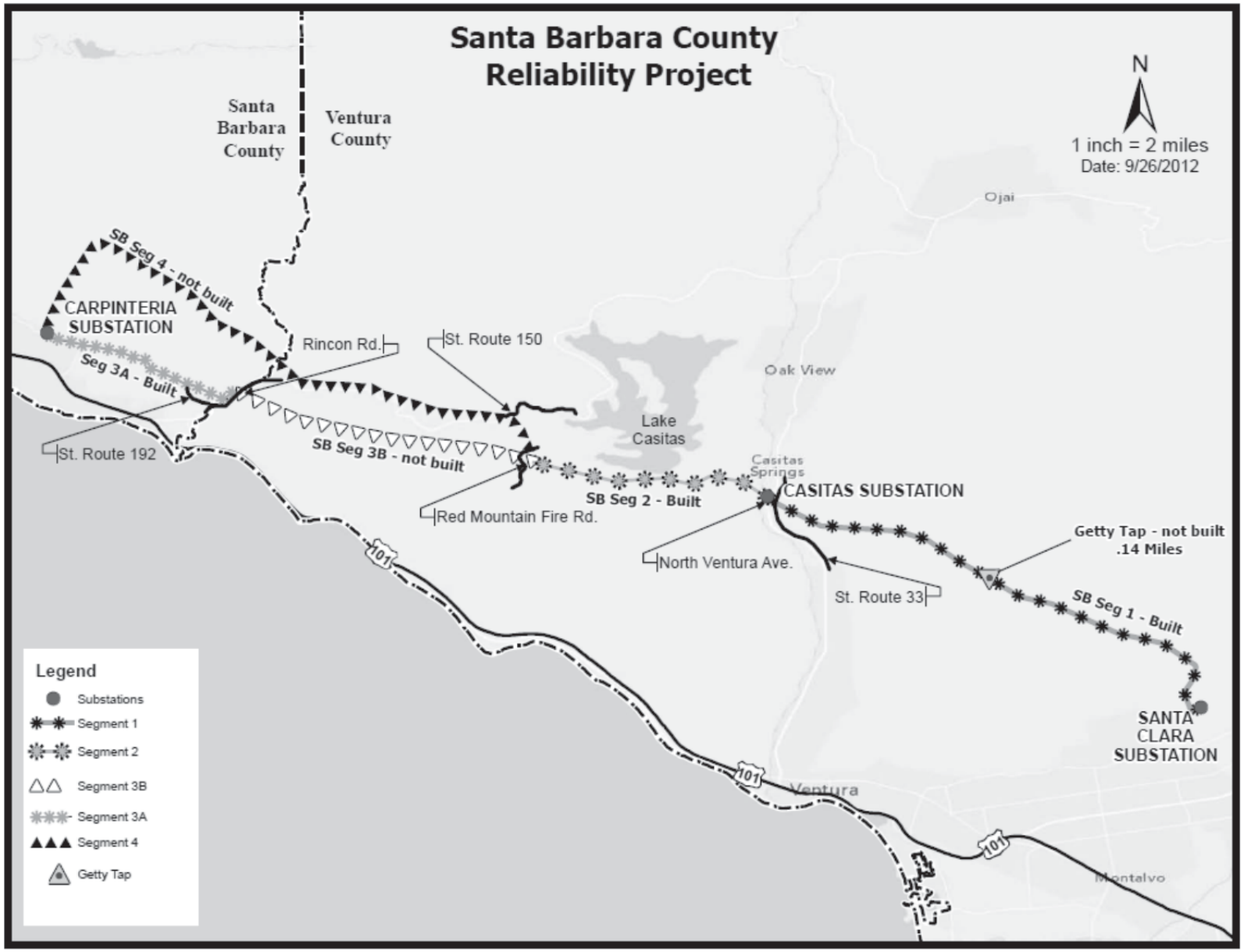
Document Subscription Service: The CPUC's free online subscription service sends subscribers an email notification when any document meeting their subscription criteria is published on the CPUC's website, such as documents filed in a CPUC proceeding (e.g., notices of hearings, rulings, briefs and decisions). 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 obtain a copy of SCE's Application, or to request further information about the Project, please contact:

Patricia Bartoli-Wible
SCE Region Manager for County of Santa Barbara and City of Carpinteria
SCE Santa Barbara Service Center
103 David Love Place, Goleta, CA 93117
Phone: 805-683-5237

Rudy Gonzales
SCE Region Manager for County of Ventura
SCE Thousand Oaks Service Center
3589 Foothill Dr., Thousand Oaks, CA 91361
Phone: 805-497-5616


Santa Barbara County
Reliability Project
N
1 inch = 2 miles
Date: 9/26/2012
Santa Barbara County
Ventura County
Ojai
SB Seg 4 - not built
CARPINTERIA SUBSTATION
Rincon Rd.
St. Route 150
Seg 3A - Built
Oak View
Lake Casitas
St. Route 192
SB Seg 3B - not built
Casitas Springs
CASITAS SUBSTATION
SB Seg 2 - Built
Red Mountain Fire Rd.
Getty Tap - not built
.14 Miles
North Ventura Ave.
St. Route 33
SB Seg 1 - Built
101
SANTA CLARA SUBSTATION
Ventura
Montalvo
Legend
Substations
Segment 1
Segment 2
Segment 3B
Segment 3A
Segment 4
Getty Tap

LIST OF NEWSPAPER(S)
PUBLISHING THE NOTICE OF APPLICATION
FOR A PERMIT TO CONSTRUCT

Ventura County Star
550 Camarillo Center Dr.
Camarillo, California 93011

Santa Barbara News-Press
715 Anacapa Street
Santa Barbara, California 93101

APPENDIX E

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

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: SANTA BARBARA COUNTY RELIABILITY PROJECT** on the parties identified on the attached service lists(s).

[XX] Placing copies in properly addressed sealed envelopes and depositing such copies in the United States mail with first-class postage prepaid to all parties for those listed on the attached non-email list.

Executed this **Friday, October 26, 2012,** at Rosemead, California.

/s/ Alejandra Arzola

Alejandra Arzola
Project Analyst
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770

Santa Barbara County Reliability Project

AGENCY SERVICE LIST

Supervisor Doreen Farr, Chair Board of Supervisors, 3rd District County of Santa Barbara 105 East Anapamu Street Santa Barbara, CA 93101	Supervisor Salud Carbajal Board of Supervisors, 1st District County of Santa Barbara 105 East Anapamu Street Santa Barbara, CA 93101	Supervisor Janet Wolf Board of Supervisors, 2nd District County of Santa Barbara 105 East Anapamu Street Santa Barbara, CA 93101
Glenn Russell, Director County of Santa Barbara Planning and Development 123 East Anapamu Street Santa Barbara, CA 93101	Michael Cooney, Chair County of Santa Barbara Planning Commission 123 E. Anapamu Street Santa Barbara, CA 93101	Chandra L. Wallar, County Executive Officer County of Santa Barbara Hall of Administration, Room 406 105 E. Anapamu Street Santa Barbara, CA 93101
Supervisor John Zaragoza, Chair Board of Supervisors County of Ventura 800 S. Victoria Avenue Ventura, CA 93009	Supervisor Steve Bennett Board of Supervisors, 3rd District County of Ventura 800 S. Victoria Avenue Ventura, CA 93009	Kimberly Prillhart, Director County of Ventura Planning Division 800 South Victoria Avenue, L-1740 Ventura, CA 93009
W. Stephen Onstot, Chair County of Ventura Planning Commission Attn: Denise Susi 800 S. Victoria Avenue, Hall of Administration Ventura, CA 93009	Michael Powers, County Executive Officer County of Ventura Hall of Administration 800 S. Victoria Avenue, L#1940 Ventura, CA 93009	Al Clark, Mayor City of Carpinteria 5775 Carpinteria Avenue Carpinteria, CA 93013
David Durflinger, City Manager City of Carpinteria 5775 Carpinteria Avenue Carpinteria, CA 93013	Jackie Campbell, Community Development Director City of Carpinteria 5775 Carpinteria Avenue Carpinteria, CA 93013	David Allen, Chair City of Carpinteria Planning Commission Hall of Administration 5775 Carpinteria Avenue Carpinteria, CA 93013
Peggy Hernandez, Forest Supervisor Los Padres National Forest 6755 Hollister Avenue, Suite 150 Goleta, CA 93117	Robert Oglesby, Executive Director California Energy Commission 1516 Ninth Street Sacramento, CA 95814-5512	Karen Miller, CPUC Public Advisor California Public Utilities Commission 505 Van Ness Avenue San Francisco, CA 94102
Edward Randolph, Energy Division Director California Public Utilities Commission 505 Van Ness Avenue San Francisco, CA 94102	Dr. Charles Lester, Executive Director California Coastal Commission 45 Fremont Street, Suite 2000 San Francisco, CA 94105-2219	John (Jack) Ainsworth, Senior Deputy Director California Coastal Commission, South Central Coast District Office 89 South California Street, Suite 200 Ventura, CA 93001-2801
Malcolm Dougherty, Director California Department of Transportation PO Box 942873 Sacramento, CA 94273-0001	Toby Douglas, Director California Department of Health Services 1501 Capitol Ave., Suite 6001 Sacramento, CA 94234-7320	John Laird, Secretary Natural Resources Agency 1416 Ninth St., Suite 1311 Sacramento, CA 95814

Charlton H. Bonham, Director California Department of Fish and Game Headquarters 1416 Ninth Street Sacramento, CA 95814	Thomas Howard, Executive Director State Water Resources Control Board 1001 “I” Street Sacramento, CA 95814	Mary D. Nichols, Board Chairman California Air Resources Board 1001 “I” Street PO Box 2815 Sacramento, CA 95812
Jeff Brown, Division of Aeronautics Chief California Department of Transportation Division of Aeronautics, MS # 40 PO Box 942874 Sacramento, CA 94274-0001	Maria Mehranian, Chair LA Regional Water Quality Control Board 320 West Fourth Street, Suite 200 Los Angeles, CA 90013	Ken Harris, Interim Executive Officer Central Coast Regional Water Quality Control Board 895 Aerovista Place, Suite 101 San Luis Obispo, CA 93401-7906
Mike Villegas, Air Pollution Control Officer Ventura County Air Pollution Control District 669 County Square Drive Second Floor Ventura, CA 93003	Dave Van Mullem, Air Pollution Control Officer Santa Barbara County Air Pollution Control District 260 N. San Antonio Road, Suite A Santa Barbara, CA 93110-1315	Michael Miles, Director California Department of Transportation District 7 100 S. Main Street Los Angeles, CA 90012
Timothy Gubbins, Director California Department of Transportation District 5 50 Higuera Street San Luis Obispo, CA 93401-5415	Shannon Pankratz, Project Manager US Army Corp of Engineers Los Angeles District Regulatory Division 915 Wilshire Blvd. Los Angeles, CA 90017-3401	Diane Noda, Field Supervisor US Fish and Wildlife Service Ventura Field Office 2493 Portola Road, Suite B Ventura, CA 93003

SANTA BARBARA RELIABILITY PROJECT
SEGMENT 1
300FT RADIUS OWNERSHIP LIST

APN	OWNER NAME	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY	PROPERTY STATE	PROPERTY ZIP CODE	COUNTY
035-0-140-065	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
035-0-140-075	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
035-0-210-010	TEEN CHALLENGE OF SO CA	5445 CHICAGO AVE	RIVERSIDE	CA	92507	N/A	VENTURA	CA	93001	VENTURA
035-0-210-025	TEEN CHALLENGE OF SO CA	5445 CHICAGO AVE	RIVERSIDE	CA	92507	6790 N VENTURA AVE	VENTURA	CA	93001	VENTURA
035-0-210-125	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	1 CANADA LARGA RD	VENTURA	CA	93001	VENTURA
035-0-210-165	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	3502 CANADA LARGA RD	VENTURA	CA	93001	VENTURA
035-0-210-175	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
035-0-210-200	TEEN CHALLENGE OF SO CA	5445 CHICAGO AVE	RIVERSIDE	CA	92507	N/A	VENTURA	CA	93001	VENTURA
035-0-210-245	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
035-0-230-105	DOURBETAS,ALEX & CHRISTINA	5802 CRESTVIEW CIR	LA PALMA	CA	90623	4742 N VENTURA AVE	VENTURA	CA	93001	VENTURA
035-0-230-115	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	410 CANADA LARGA RD	VENTURA	CA	93001	VENTURA
035-0-230-135	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
035-0-230-145	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
035-0-240-085	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
035-0-240-115	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
060-0-220-120	VENTURA COUNTY OF	800 S VICTORIA AVE	VENTURA	CA	93009	N/A	VENTURA	CA	93001	VENTURA
060-0-220-260	SAN BUENAVENTURA CITY OF	PO BOX 99	VENTURA	CA	93002	N/A	VENTURA	CA	93001	VENTURA
060-0-220-270	SAN BUENAVENTURA CITY OF	PO BOX 99	VENTURA	CA	93002	N/A	VENTURA	CA	93001	VENTURA
061-0-230-020	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93001	VENTURA
061-0-230-040	SACKLEY,STUART	8225 EDISON DR	VENTURA	CA	93001	8225 EDISON DR	VENTURA	CA	93001	VENTURA
061-0-230-340	DAVIS,WILMETTA B TRUST EST	35 KUNKLE ST	OAK VIEW	CA	93022	8251 EDISON DR	VENTURA	CA	93001	VENTURA
061-0-241-025	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93001	VENTURA
061-0-241-035	PEERY,JOSEPH H & JANET S	8156 N VENTURA AVE	VENTURA	CA	93001	8156 N VENTURA AVE	VENTURA	CA	93001	VENTURA
061-0-241-050	PINA,ART & MARVA	8177 PARK VIEW DR	VENTURA	CA	93001	8177 PARK VIEW DR	VENTURA	CA	93001	VENTURA
061-0-241-060	DAVIS,NORA J	121 PALM DR	CAMARILLO	CA	93010	8204 PARK VIEW DR	VENTURA	CA	93001	VENTURA
061-0-241-070	PEERY,JOSEPH H & JANET S	8156 N VENTURA AVE	VENTURA	CA	93001	PARK VIEW DR	VENTURA	CA	93001	VENTURA
061-0-241-180	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93001	VENTURA
061-0-241-195	KEIPER,THEODORE K TRUST	8202 PARK VIEW DR	VENTURA	CA	93001	8175 PARK VIEW DR	VENTURA	CA	93001	VENTURA
061-0-241-215	MARHOLZ,GERALD D	8170 N VENTURA AVE	VENTURA	CA	93001	8170 N VENTURA AVE	VENTURA	CA	93001	VENTURA
061-0-241-225	SEMINARA,ANTHONY	8176 N VENTURA AVE	VENTURA	CA	93001	8176 N VENTURA AVE	VENTURA	CA	93001	VENTURA
061-0-241-230	FARBER FAMILY TRUST	PO BOX 2649	VENTURA	CA	93002	8116 N VENTURA AVE	VENTURA	CA	93001	VENTURA
061-0-242-045	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93001	VENTURA
061-0-242-055	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93001	VENTURA
061-0-242-060	JUENGERMANN,PETER & GISELE TRUST	1661 SWIFT AVE	VENTURA	CA	93003	8158 PARK VIEW DR	VENTURA	CA	93001	VENTURA
061-0-242-070	JUENGERMANN,PETER & G HELEN TRUST	1661 SWIFT AVE	VENTURA	CA	93003	8176 PARK VIEW DR	VENTURA	CA	93001	VENTURA
061-0-242-080	MASON,CHERYL R	8192 PARK VIEW DR	VENTURA	CA	93001	8192 PARK VIEW DR	VENTURA	CA	93001	VENTURA
061-0-242-120	SCHOLEFIELD,MICHAEL M	2820 BAYSHORE AVE	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
061-0-242-140	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93001	VENTURA
061-0-250-035	WOODS,LYNDON	PO BOX 2649	VENTURA	CA	93002	N/A	VENTURA	CA	93001	VENTURA
061-0-250-050	SCHOLEFIELD,MICHAEL M	2820 BAYSHORE AVE	VENTURA	CA	93001	8091 PARK VIEW DR	VENTURA	CA	93001	VENTURA
061-0-250-105	KENNEDY,KENNETH J & CARMEN S	8000 N VENTURA AVE	VENTURA	CA	93001	8000 N VENTURA AVE	VENTURA	CA	93001	VENTURA
064-0-010-015	AERA ENERGY LLC	PO BOX 11164	BAKERSFIELD	CA	93389	N/A	VENTURA	CA	93022	VENTURA
064-0-010-020	AERA ENERGY LLC	PO BOX 11164	BAKERSFIELD	CA	93389	N/A	VENTURA	CA	93022	VENTURA
064-0-010-045	MARSHALL LIVING TRUST	1134 S RICE RD	OJAI	CA	93023	N/A	VENTURA	CA	93022	VENTURA
064-0-010-051	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	OAK VIEW	CA	93022	VENTURA
064-0-010-052	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	VENTURA	CA	93022	VENTURA
064-0-010-065	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	OAK VIEW	CA	93022	VENTURA
064-0-010-105	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93022	VENTURA
064-0-010-115	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93022	VENTURA
064-0-010-125	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93022	VENTURA
064-0-020-035	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	VENTURA	CA	93022	VENTURA
064-0-020-075	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93022	VENTURA
064-0-020-085	BONSALL,SHULL TRUST EST ETAL	1 CANADA LARGA RD	VENTURA	CA	93001	N/A	VENTURA	CA	93022	VENTURA

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SEGMENT 1
300FT RADIUS OWNERSHIP LIST

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064-0-030-125	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	VENTURA	CA	93022	VENTURA
064-0-030-135	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	VENTURA	CA	93022	VENTURA
064-0-030-215	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	VENTURA	CA	93022	VENTURA
064-0-030-225	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	VENTURA	CA	93022	VENTURA
064-0-030-275	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	OAK VIEW	CA	93022	VENTURA
064-0-030-285	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	OAK VIEW	CA	93022	VENTURA
064-0-030-295	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	OAK VIEW	CA	93022	VENTURA
064-0-030-305	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	OAK VIEW	CA	93022	VENTURA
064-0-040-015	HADLEN FAMILY PART ETAL	4467 WHITTIER ST	VENTURA	CA	93003	N/A	VENTURA	CA	N/A	VENTURA
064-0-080-025	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	HALL MTN	VENTURA	CA	90000	VENTURA
064-0-100-035	CHEVRON USA INC	PO BOX 1392	BAKERSFIELD	CA	93302	N/A	OAK VIEW	CA	91367	VENTURA
064-0-100-041	MEDIO VISTA CORP	21600 OXNARD ST 1040	WOODLAND HILLS	CA	91367	N/A	VENTURA	CA	91367	VENTURA
064-0-100-042	DABNEY & LLOYD LLC ETAL	21600 OXNARD ST 1040	WOODLAND HILLS	CA	91367	N/A	VENTURA	CA	91367	VENTURA
064-0-100-071	MEDIO VISTA CORP	21600 OXNARD ST 1040	WOODLAND HILLS	CA	91367	N/A	VENTURA	CA	91367	VENTURA
064-0-100-072	DABNEY & LLOYD LLC ETAL	21600 OXNARD ST 1040	WOODLAND HILLS	CA	91367	N/A	VENTURA	CA	91367	VENTURA
064-0-110-015	HADLEN FAMILY PART ETAL	4467 WHITTIER ST	VENTURA	CA	93003	N/A	VENTURA	CA	N/A	VENTURA
064-0-110-025	HADLEN FAMILY PART ETAL	4467 WHITTIER ST	VENTURA	CA	93003	N/A	VENTURA	CA	N/A	VENTURA
064-0-110-045	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93022	VENTURA
064-0-110-065	HADLEN FAMILY PART ETAL	4467 WHITTIER ST	VENTURA	CA	93003	N/A	VENTURA	CA	N/A	VENTURA
064-0-110-075	MOSS,HAROLD & BINNEY TRUST ETAL	897 S LA LUNA AVE	OJAI	CA	93023	N/A	VENTURA	CA	93022	VENTURA
064-0-170-131	MEDIO VISTA CORP	21600 OXNARD ST 1040	WOODLAND HILLS	CA	91367	N/A	VENTURA	CA	93003	VENTURA
064-0-170-132	DABNEY & LLOYD LLC ETAL	21600 OXNARD ST 1040	WOODLAND HILLS	CA	91367	N/A	VENTURA	CA	93003	VENTURA
064-0-170-341	MEDIO VISTA CORP	21600 OXNARD ST 1040	WOODLAND HILLS	CA	91367	N/A	VENTURA	CA	93003	VENTURA
064-0-170-342	DABNEY & LLOYD LLC ETAL	21600 OXNARD ST 1040	WOODLAND HILLS	CA	91367	N/A	VENTURA	CA	93003	VENTURA
064-0-170-415	VENTURA COUNTY FL CTRL DIST	800 S VICTORIA AVE	VENTURA	CA	93009	N/A	VENTURA	CA	93003	VENTURA
064-0-170-425	LLOYD PROPERTIES	21600 OXNARD ST 1040	WOODLAND HILLS	CA	91367	N/A	VENTURA	CA	93003	VENTURA
064-0-260-075	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93004	VENTURA
064-0-260-095	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93004	VENTURA
064-0-260-135	HADLEN FAMILY PART ETAL	4467 WHITTIER ST	VENTURA	CA	93003	N/A	VENTURA	CA	N/A	VENTURA
064-0-260-145	SAN BUENAVENTURA CITY OF	PO BOX 99	VENTURA	CA	93002	N/A	VENTURA	CA	93004	VENTURA
064-0-260-240	HADLEN FAMILY PART ETAL	4467 WHITTIER ST	VENTURA	CA	93003	N/A	VENTURA	CA	N/A	VENTURA
064-0-260-265	SAN BUENAVENTURA CITY OF	PO BOX 99	VENTURA	CA	93002	N/A	VENTURA	CA	93004	VENTURA
064-0-260-325	VISTA RANCH	PO BOX 4278	VENTURA	CA	93007	N/A	VENTURA	CA	93004	VENTURA
064-0-260-330	WALKER,HARE III TRUST EST ETAL	897 S LA LUNA AVE	OJAI	CA	93023	9801 FOOTHILL RD	VENTURA	CA	93004	VENTURA
064-0-260-340	RANCHO COLINA VISTA LLC	PO BOX 4930	VENTURA	CA	93007	N/A	VENTURA	CA	93004	VENTURA
064-0-260-395	VISTA RANCH	PO BOX 4278	VENTURA	CA	93007	N/A	VENTURA	CA	93004	VENTURA
064-0-260-405	VISTA RANCH	PO BOX 4278	VENTURA	CA	93007	N/A	VENTURA	CA	93004	VENTURA
064-0-270-215	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93060	VENTURA
064-0-270-220	RANCHO COLINA VISTA LLC	PO BOX 4930	VENTURA	CA	93007	N/A	VENTURA	CA	93060	VENTURA
065-0-020-035	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93003	VENTURA
065-0-020-405	CH VENTURA MISSIONARY CORP	500 HIGH POINT DR	VENTURA	CA	93003	FOOTHILL RD	VENTURA	CA	93003	VENTURA
065-0-020-410	HADLEN FAMILY PART ETAL	4467 WHITTIER ST	VENTURA	CA	93003	N/A	N/A	CA	N/A	VENTURA
065-0-071-045	WOODBURN,JAMES D & KATHRYN TRUST	661 VIA ARROYO	VENTURA	CA	93003	661 VIA ARROYO	VENTURA	CA	93003	VENTURA
065-0-071-055	ORTEGA,ANDREW T & JILL C	791 VIA CIELITO	VENTURA	CA	93003	641 CORTE DE CHARCO	VENTURA	CA	93003	VENTURA
065-0-071-065	JOHNSON,MARJORIE TRUST	341 HERITAGE LOOP	HUTTO	TX	78634	669 CORTE DE CHARCO	VENTURA	CA	93003	VENTURA
065-0-071-075	MELLRING,LANCE & JANET	673 CORTE DE CHARCO	VENTURA	CA	93003	673 CORTE DE CHARCO	VENTURA	CA	93003	VENTURA
065-0-071-115	HOLT,RICHARD L & CHERYL TRUST	677 CORTE DE CHARCO	VENTURA	CA	93003	677 CORTE DE CHARCO	VENTURA	CA	93003	VENTURA
065-0-081-015	CLARIN,GILBERT M & BARBARA TRUST	191 NOB HILL LN	VENTURA	CA	93003	191 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-081-025	BAKER,LEE R & DIANE P TRUST	615 VIA ARROYO	VENTURA	CA	93003	615 VIA ARROYO	VENTURA	CA	93003	VENTURA
065-0-081-035	SNOWDEN,MILDRED K TRUST	193 NOB HILL LN	VENTURA	CA	93003	193 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-082-015	BERGHOFF,EDWARD M	533 VIA ARROYO	VENTURA	CA	93003	533 VIA ARROYO	VENTURA	CA	93003	VENTURA
065-0-082-025	DUNN,GREGORY H & TIMBERLY N	525 VIA ARROYO	VENTURA	CA	93003	525 VIA ARROYO	VENTURA	CA	93003	VENTURA
065-0-083-015	FORGETTA,VICTOR TRUST	638 VIA ARROYO	VENTURA	CA	93003	638 VIA ARROYO	VENTURA	CA	93003	VENTURA

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065-0-083-025	DANIELS,ALAN R & GERALDINE L	637 VIA ONDULANDO	VENTURA	CA	93003	637 VIA ONDULANDO	VENTURA	CA	93003	VENTURA
065-0-083-035	JAMES,MARJORIE TRUST	7812 MARIN LN	VENTURA	CA	93004	611 VIA ONDULANDO	VENTURA	CA	93003	VENTURA
065-0-083-045	JAKOVICH,BARBARA D TRUST	593 VIA ONDULANDO	VENTURA	CA	93003	593 VIA ONDULANDO	VENTURA	CA	93003	VENTURA
065-0-083-055	OSTER,HENRY A & PAMELA A TRUST	575 VIA ONDULANDO	VENTURA	CA	93003	575 VIA ONDULANDO	VENTURA	CA	93003	VENTURA
065-0-083-065	ZADIK,MARC Y	534 VIA ARROYO	VENTURA	CA	93003	534 VIA ARROYO	VENTURA	CA	93003	VENTURA
065-0-083-075	CONNER,MICHAEL & CHRISTINE	572 VIA ARROYO	VENTURA	CA	93003	572 VIA ARROYO	VENTURA	CA	93003	VENTURA
065-0-083-085	MONTANO,JOSE R	590 VIA ARROYO	VENTURA	CA	93003	590 VIA ARROYO	VENTURA	CA	93003	VENTURA
065-0-083-095	SCHEID,SPENCER & PATRICIA TRUST	612 VIA ARROYO	VENTURA	CA	93003	612 VIA ARROYO	VENTURA	CA	93003	VENTURA
065-0-084-085	SPOTA TRUST	587 COLINA VIS	VENTURA	CA	93003	587 COLINA VIS	VENTURA	CA	93003	VENTURA
065-0-084-095	BURKE,ARAN	560 VIA ONDULANDO	VENTURA	CA	93003	560 VIA ONDULANDO	VENTURA	CA	93003	VENTURA
065-0-084-105	TODD,BARBARA	588 VIA ONDULANDO	VENTURA	CA	93003	588 VIA ONDULANDO	VENTURA	CA	93003	VENTURA
065-0-084-115	BARTOS,MARY SURV TRUST	608 VIA ONDULANDO	VENTURA	CA	93003	608 VIA ONDULANDO	VENTURA	CA	93003	VENTURA
065-0-091-025	HOFFMAN,CLAUDIA A TRUST	199 VIA BAJA	VENTURA	CA	93003	199 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-092-015	MACKIE,SAMUEL G III & M C TRUST	221 VIA BAJA	VENTURA	CA	93003	221 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-092-025	MILLER,PAUL A & MARY TRUST	241 VIA BAJA	VENTURA	CA	93003	241 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-092-035	LACASSE,ROGER & R 2002 TRUST	261 VIA BAJA	VENTURA	CA	93003	261 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-093-015	DE LA ROSA,WILLIAM & ANNA TRUST	218 VIA BAJA	VENTURA	CA	93003	218 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-093-025	HESTER,WILLIAM F & JANET R	228 VIA BAJA	VENTURA	CA	93003	228 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-093-035	YORK,MICHAEL & LISA L	PO BOX 1105	OXNARD	CA	93032	238 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-093-045	RUSH,EMMA R TRUST	PO BOX 3231	VENTURA	CA	93006	248 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-093-055	FLETCHER,WAYNE W & BARBARA TRUST	262 VIA BAJA	VENTURA	CA	93003	262 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-093-065	LANDEN,DAVID & CHRISTINE	272 VIA ONDULANDO	VENTURA	CA	93003	272 VIA ONDULANDO	VENTURA	CA	93003	VENTURA
065-0-093-075	DE SART,GINETTE SURV TRUST	292 VIA ONDULANDO	VENTURA	CA	93003	292 VIA ONDULANDO	VENTURA	CA	93003	VENTURA
065-0-093-085	BRAICO,ARMANDO & BARBARA C TRUST	491 COLINA VIS	VENTURA	CA	93003	491 COLINA VIS	VENTURA	CA	93003	VENTURA
065-0-093-095	HOFFBERG,STEVEN M TRUST	481 COLINA VIS	VENTURA	CA	93003	481 COLINA VIS	VENTURA	CA	93003	VENTURA
065-0-093-105	WILLIAMS,SCARLETT V	6951 FOOTHILL RD	VENTURA	CA	93003	6951 FOOTHILL RD	VENTURA	CA	93003	VENTURA
065-0-093-115	KOHLER,SCOTT G & MARLENE	6937 FOOTHILL RD	VENTURA	CA	93003	6937 FOOTHILL RD	VENTURA	CA	93003	VENTURA
065-0-093-135	SCOTT,BARBARA M TRUST	6921 FOOTHILL RD	VENTURA	CA	93003	6921 FOOTHILL RD	VENTURA	CA	93003	VENTURA
065-0-094-025	WYMAN,JAMES & JO ANNE TRUST	554 COLINA VIS	VENTURA	CA	93003	554 COLINA VIS	VENTURA	CA	93003	VENTURA
065-0-094-035	MILLIGAN,RUSSELL E & SUSAN L	536 COLINA VIS	VENTURA	CA	93003	536 COLINA VIS	VENTURA	CA	93003	VENTURA
065-0-094-045	QUINN,PATRICK G & ARLYS F TRUST	518 COLINA VIS	VENTURA	CA	93003	518 COLINA VIS	VENTURA	CA	93003	VENTURA
065-0-094-055	MC GAHAN,SHARON P TRUST	492 COLINA VIS	VENTURA	CA	93003	492 COLINA VIS	VENTURA	CA	93003	VENTURA
065-0-094-065	FORT,DENISE TRUST	PO BOX 6391	VENTURA	CA	93006	6987 FOOTHILL RD	VENTURA	CA	93003	VENTURA
065-0-094-075	EVANS,DAVID L & JACQUELINE	6971 FOOTHILL RD	VENTURA	CA	93003	6971 FOOTHILL RD	VENTURA	CA	93003	VENTURA
065-0-102-025	MASTERSON,JOHN A & JUDITH A TRUST	185 VIA BAJA	VENTURA	CA	93003	185 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-102-035	FRITCH,THOMAS W & DENISE D	1344 NATHAN LN	VENTURA	CA	93001	191 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-102-055	MCCONICA,JOHN R SURV TRUST	195 VIA BAJA	VENTURA	CA	93003	195 VIA BAJA	VENTURA	CA	93003	VENTURA
065-0-111-015	MEANS,CHRISTOPHER & GAIL A TRUST	151 NOB HILL LN	VENTURA	CA	93003	151 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-111-025	NORMAN,CHRISTOPHER G & FLAVIA	153 NOB HILL LN	VENTURA	CA	93003	153 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-111-035	KARIAN,ALBERT A & JANET L TRUST	157 NOB HILL LN	VENTURA	CA	93003	157 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-111-045	RYAN,PATRICIA A TRUST	161 NOB HILL LN	VENTURA	CA	93003	161 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-111-055	FAUSSET,MATTHEW M & STACY A	163 NOB HILL LN	VENTURA	CA	93003	163 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-112-015	WINTERS,VINCENT M & BARBARA S	171 NOB HILL LN	VENTURA	CA	93003	171 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-112-025	RODARTY,CARL M SURV TRUST	173 NOB HILL LN	VENTURA	CA	93003	173 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-112-035	KEAY,EDWARD & DIANE	183 NOB HILL LN	VENTURA	CA	93003	183 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-112-045	SEZZI TRUST	187 NOB HILL LN	VENTURA	CA	93003	187 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-112-055	KELLEY,ROBERT A TRUST	189 NOB HILL LN	VENTURA	CA	93003	189 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-015	KEYSER,FRANK E & CATHERINE TRUST	158 NOB HILL LN	VENTURA	CA	93003	158 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-025	PETERS,ARTHUR S & JEANNE E TRUST	164 NOB HILL LN	VENTURA	CA	93003	164 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-035	BALLARD,WALTER M TRUST	172 NOB HILL LN	VENTURA	CA	93003	172 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-045	GRAY,JOAN M TRUST	174 NOB HILL LN	VENTURA	CA	93003	174 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-055	FINN,JOAN D TRUST	187 MONTCLAIR DR	VENTURA	CA	93003	187 MONTCLAIR DR	VENTURA	CA	93003	VENTURA
065-0-113-065	SANDOVAL,GEORGE O & JUDY D TRUST	PO BOX 6091	VENTURA	CA	93006	177 MONTCLAIR DR	VENTURA	CA	93003	VENTURA

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SEGMENT 1
300FT RADIUS OWNERSHIP LIST

APN	OWNER NAME	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY	PROPERTY STATE	PROPERTY ZIP CODE	COUNTY
065-0-113-075	GREEN,MICHAEL S & STEPHANIE M	173 MONTCLAIR DR	VENTURA	CA	93003	173 MONTCLAIR DR	VENTURA	CA	93003	VENTURA
065-0-113-085	CARON,REBECCA A QPR TRUST	154 NOB HILL LN	VENTURA	CA	93003	154 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-175	HILDEBRAND,ALMA TRUST	184 MONTCLAIR DR	VENTURA	CA	93003	184 MONTCLAIR DR	VENTURA	CA	93003	VENTURA
065-0-113-185	TIBBET,CECELIA TRUST	PO BOX 122	VENTURA	CA	93002	186 MONTCLAIR DR	VENTURA	CA	93003	VENTURA
065-0-113-195	HARPER,JONI J	188 NOB HILL LN	VENTURA	CA	93003	188 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-205	DIBENEDETTO,NORRENE E	190 NOB HILL LN	VENTURA	CA	93003	190 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-215	NOLL,STEPHEN J TRUST	192 NOB HILL LN	VENTURA	CA	93003	192 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-225	ROBERSON SURVIVORS TRUST	194 NOB HILL LN	VENTURA	CA	93003	194 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-113-235	MANGAN,GREGORY & CHARLOTTE TRUST	196 NOB HILL LN	VENTURA	CA	93003	196 NOB HILL LN	VENTURA	CA	93003	VENTURA
065-0-120-095	BENSON,LIN	4050 W HEMLOCK ST	OXNARD	CA	93035	196 VIA PASITO	VENTURA	CA	93003	VENTURA
065-0-131-015	MARSH,DIEDRA G TRUST	PO BOX 3234	VENTURA	CA	93006	693 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-160-080	HV FAMILY AVOCADO LLC ETAL	2501 ROSEMEAD BLVD	SOUTH EL MONTE	CA	91733	N/A	VENTURA	CA	93003	VENTURA
065-0-160-140	SCHWARTZ,JEROME & RUTH TRUST	5954 BRIDGEVIEW DR	VENTURA	CA	93003	5954 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
065-0-160-150	VIVIAN,MICHAEL R P	5950 BRIDGEVIEW DR	VENTURA	CA	93003	5950 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
065-0-160-160	WOOD,CAROLYN E	1121 WINDWARD WAY	OXNARD	CA	93035	5946 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
065-0-160-170	MARSHALL,SCOTT D & HEIDI K TRUST	5942 BRIDGEVIEW DR	VENTURA	CA	93003	5942 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
065-0-160-180	HV FAMILY AVOCADO LLC ETAL	2501 ROSEMEAD BLVD	SOUTH EL MONTE	CA	91733	N/A	VENTURA	CA	93003	VENTURA
065-0-160-190	HV FAMILY AVOCADO LLC ETAL	2501 ROSEMEAD BLVD	SOUTH EL MONTE	CA	91733	BRIDGEVIEW RD	VENTURA	CA	93003	VENTURA
065-0-160-200	HV FAMILY AVOCADO LLC ETAL	2501 ROSEMEAD BLVD	SOUTH EL MONTE	CA	91733	BRIDGEVIEW RD	VENTURA	CA	93003	VENTURA
065-0-181-015	JUNG,KIN S & SONIA	695 VIA CIELITO	VENTURA	CA	93003	695 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-182-015	LAKE	712 VIA CIELITO	VENTURA	CA	93003	712 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-182-085	ROSE,RICHARD E & SHARRELL L TRUST	752 SKYVIEW TER	VENTURA	CA	93003	752 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-182-105	REID,ALLAN B & MARY E TRUST	768 SKYVIEW TER	VENTURA	CA	93003	768 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-183-015	WILLIAMS,SHERI L	692 VIA CIELITO	VENTURA	CA	93003	692 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-183-025	OWEN,GEORGE B JR	694 VIA CIELITO	VENTURA	CA	93003	694 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-183-035	COLEMAN,BRIAN D & DONNA R	696 VIA CIELITO	VENTURA	CA	93003	696 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-183-045	EVARTS,ERIC & CAROL TRUST	791 SKYVIEW TER	VENTURA	CA	93003	791 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-183-055	ROWLAND,CHARLES E & BETTE A TRUST	769 SKYVIEW TER	VENTURA	CA	93003	769 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-183-065	PETRIE,W DOUGLAS	753 SKYVIEW TER	VENTURA	CA	93003	753 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-183-075	SPRINKLE,JACK E & JOAN C	731 SKYVIEW TER	VENTURA	CA	93003	731 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-183-085	BAER,CORNELIA G TRUST	709 SKYVIEW TER	VENTURA	CA	93003	709 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-183-095	MEDINA,JAMES A & CINTHIA C	PO BOX 16152	SAN FRANCISCO	CA	94116	687 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-183-105	SALERNO,DIANE A	661 SKYVIEW TER	VENTURA	CA	93003	661 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-183-115	MIDGLEY,JAY D & JEAN B TRUST	639 SKYVIEW TER	VENTURA	CA	93003	639 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-184-015	MCKENDRY,MICHAEL R TRUST	686 SKYVIEW TER	VENTURA	CA	93003	686 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-184-065	TONIUS,JAMES L & MARGARET N	638 SKYVIEW TRL	VENTURA	CA	93001	N/A	VENTURA	CA	93003	VENTURA
065-0-184-075	TONIUS FAMILY TRUST	638 SKYVIEW TER	VENTURA	CA	93003	638 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-184-105	STEWART,LARRY L TRUST	PO BOX 3496	VENTURA	CA	93006	660 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-184-115	ONDULANDO CLUB INC	PO BOX 3011	VENTURA	CA	93006	632 SKYVIEW TER	VENTURA	CA	93003	VENTURA
065-0-201-265	TOLLEY FAMILY TRUST	730 VIA CIELITO	VENTURA	CA	93003	730 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-202-015	BURNER,JOHN S & KIRSTEN	514 VISTA HERMOSA DR	OJAI	CA	93023	989 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-202-025	PARK,WILLIAM A & SANDRA S TRUST	977 VIA CIELITO	VENTURA	CA	93003	977 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-202-035	KOEHN,JANET M	971 VIA CIELITO	VENTURA	CA	93003	971 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-202-045	IMBLER & GRIJALVA IMBLER TRUST	961 VIA CIELITO	VENTURA	CA	93003	961 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-202-055	WOODBURN,JAMES D TRUST ETAL	939 SENTINEL CT	VENTURA	CA	93003	939 SENTINEL CT	VENTURA	CA	93003	VENTURA
065-0-202-065	ZUBER,NORMA TRUST	927 SENTINEL CT	VENTURA	CA	93003	927 SENTINEL CT	VENTURA	CA	93003	VENTURA
065-0-202-075	KRETSCHMER,THEO R & MARILYNN B	913 VIA CIELITO	VENTURA	CA	93003	913 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-202-085	WASGATT,SANDRA K TRUST	891 VIA CIELITO	VENTURA	CA	93003	891 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-202-105	O,MILLINUK FAMILY TRUST	831 SKYCREST CT	VENTURA	CA	93003	831 SKYCREST CT	VENTURA	CA	93003	VENTURA
065-0-202-115	HINTZ,STEVEN & CATHERINE R	819 SKYCREST CT	VENTURA	CA	93003	819 SKYCREST CT	VENTURA	CA	93003	VENTURA
065-0-202-125	SHERRILL,REGINA F TRUST	807 SKYCREST CT	VENTURA	CA	93003	807 SKYCREST CT	VENTURA	CA	93003	VENTURA
065-0-202-135	SCHMIDT,DAMIAN & KRISTY	806 SKYCREST CT	VENTURA	CA	93003	806 SKYCREST CT	VENTURA	CA	93003	VENTURA
065-0-202-205	TJAHJONO,RUDY & RATNA K TRUST	759 VIA CIELITO	VENTURA	CA	93003	759 VIA CIELITO	VENTURA	CA	93003	VENTURA

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065-0-202-215	MOLTHU,MIKE D	157 SUNSET VIEW CT	VENTURA	CA	93003	157 SUNSET VIEW CT	VENTURA	CA	93003	VENTURA
065-0-202-225	ANDERSON,JOHN W & STEPHANIE	155 SUNSET VIEW CT	VENTURA	CA	93003	155 SUNSET VIEW CT	VENTURA	CA	93003	VENTURA
065-0-202-235	NESBITT,JOHN & CLAUDINE A	153 SUNSET VIEW CT	VENTURA	CA	93003	153 SUNSET VIEW CT	VENTURA	CA	93003	VENTURA
065-0-202-245	BRANTNER,ROBERT J TRUST & BRADLEY R	154 SUNSET VIEW CT	VENTURA	CA	93003	154 SUNSET VIEW CT	VENTURA	CA	93003	VENTURA
065-0-202-255	ASHER,KATHY L	158 SUNSET VIEW CT	VENTURA	CA	93003	158 SUNSET VIEW CT	VENTURA	CA	93003	VENTURA
065-0-202-265	EGERIS,JOAN TRUST	701 VIA CIELITO	VENTURA	CA	93003	701 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-202-275	LUYKEN,PHYLLIS C TRUST	156 SUNSET VIEW CT	VENTURA	CA	93003	156 SUNSET VIEW CT	VENTURA	CA	93003	VENTURA
065-0-202-285	JOSEPH,M & WILLOW L TRUST	699 VIA CIELITO	VENTURA	CA	93003	699 VIA CIELITO	VENTURA	CA	93003	VENTURA
065-0-202-295	RUBOTTOM,LAWRENCE & CAROLE TRUST	697 VIA CIELITO	VENTURA	CA	93003	697 VIA CIELITO	VENTURA	CA	93003	VENTURA
066-0-012-030	ROMOLO,JOSEPH L TRUST	5973 CANON CT	VENTURA	CA	93003	5973 CANON CT	VENTURA	CA	93003	VENTURA
066-0-012-040	THOMASSIN TRUST	5991 CANON CT	VENTURA	CA	93003	5991 CANON CT	VENTURA	CA	93003	VENTURA
066-0-012-050	VARBLE,DOUGLAS A & M D TRUST	5974 CANON CT	VENTURA	CA	93003	5974 CANON CT	VENTURA	CA	93003	VENTURA
066-0-012-100	CELENTANO,ALFRED M	5971 VIEWCREST CT	VENTURA	CA	93003	5971 VIEWCREST CT	VENTURA	CA	93003	VENTURA
066-0-012-115	COULSON FAMILY TRUST	5978 VIEWCREST CT	VENTURA	CA	93003	5978 VIEWCREST CT	VENTURA	CA	93003	VENTURA
066-0-022-010	ELIOT,GREGORY P & DEANNA J	730 VIEWCREST DR	VENTURA	CA	93003	730 VIEWCREST DR	VENTURA	CA	93003	VENTURA
066-0-031-055	MARINELLLI,ANTHONY V & JUDI TRUST	6045 BRIDGEVIEW DR	VENTURA	CA	93003	6045 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-031-075	ATWATER,DONALD M & LIBBY J TRUST	6033 BRIDGEVIEW DR	VENTURA	CA	93003	6033 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-031-085	N/A	N/A	N/A	N/A	N/A	N/A	VENTURA	CA	93003	VENTURA
066-0-031-095	COOLURIS,ANN C TRUST	6049 BRIDGEVIEW DR	VENTURA	CA	93003	6049 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-031-105	HORN,THOMAS J & CARMEN R TRUST	6061 BRIDGEVIEW DR	VENTURA	CA	93003	6061 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-031-255	HARRIGER,DAVID M & ELLEN	5968 BRIDGEVIEW DR	VENTURA	CA	93003	5968 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-031-270	GERLACH,RENATE E TRUST	5915 PLAINVIEW ST	VENTURA	CA	93003	5915 PLAINVIEW ST	VENTURA	CA	93003	VENTURA
066-0-031-280	FISCH,BRYAN D & CARRIE R TRUST	5927 PLAINVIEW ST	VENTURA	CA	93003	5927 PLAINVIEW ST	VENTURA	CA	93003	VENTURA
066-0-031-290	RYNO,JANICE D TRUST	5933 PLAINVIEW ST	VENTURA	CA	93003	5933 PLAINVIEW ST	VENTURA	CA	93003	VENTURA
066-0-031-305	HELMAN FAMILY TRUST	6037 BRIDGEVIEW DR	VENTURA	CA	93003	6037 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-031-310	FERRELL,WILLIAM L & CAROL A TRUST	PO BOX 6153	VENTURA	CA	93006	1550 N VICTORIA AVE	VENTURA	CA	93003	VENTURA
066-0-031-320	RYNO,JANICE D TRUST	5933 PLAINVIEW ST	VENTURA	CA	93003	PLAINVIEW ST	VENTURA	CA	93003	VENTURA
066-0-031-330	FERRELL,WILLIAM L & CAROL A TRUST	PO BOX 6153	VENTURA	CA	93006	N/A	VENTURA	CA	93003	VENTURA
066-0-031-340	RYNO,JANICE D TRUST	5933 PLAINVIEW ST	VENTURA	CA	93003	PLAINVIEW ST	VENTURA	CA	93003	VENTURA
066-0-032-015	MOLESWORTH FAMILY TRUST	5967 BRIDGEVIEW DR	VENTURA	CA	93003	5967 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-045	ENGEL,CHARLES W & CHERYL K	6015 BRIDGEVIEW DR	VENTURA	CA	93003	6015 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-055	HSU,HSINHUNG J	6023 BRIDGEVIEW DR	VENTURA	CA	93003	6023 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-065	COULTAS,WILLIAM F & JANET L TRUST	6029 BRIDGEVIEW DR	VENTURA	CA	93003	6029 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-075	WARREN,EDMUND J & HILDA TRUST	6031 BRIDGEVIEW DR	VENTURA	CA	93003	6031 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-085	RAND,SAMUEL & DARLENE TRUST	5942 PLAINVIEW ST	VENTURA	CA	93003	5942 PLAINVIEW ST	VENTURA	CA	93003	VENTURA
066-0-032-095	LOVINGFOSS,ADA L	7598 JACKSON ST	VENTURA	CA	93003	5930 PLAINVIEW ST	VENTURA	CA	93003	VENTURA
066-0-032-135	PEREZ,ANTHONY L & DIANE Y TRUST	5975 BRIDGEVIEW DR	VENTURA	CA	93003	5975 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-145	SCHULZE,ALLAN R & JULIANNE M	6007 BRIDGEVIEW DR	VENTURA	CA	93003	6007 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-150	N/A	N/A	N/A	N/A	N/A	N/A	VENTURA	CA	93003	VENTURA
066-0-032-160	VAN LEEUWEN,ERIC & JACQUELINE	5949 BRIDGEVIEW DR	VENTURA	CA	93003	5949 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-170	WERBER,FRED A & TERRI L TRUST	5955 BRIDGEVIEW DR	VENTURA	CA	93003	5955 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-180	NUSTAD,ROGER D & NANCY L TRUST	5961 BRIDGEVIEW DR	VENTURA	CA	93003	5961 BRIDGEVIEW DR	VENTURA	CA	93003	VENTURA
066-0-032-210	SHORT & VICTORIA PROPERTIES	3920 E MAIN ST A	VENTURA	CA	93003	N/A	VENTURA	CA	93003	VENTURA
066-0-032-230	SHORT & VICTORIA PROPERTIES	3920 E MAIN ST A	VENTURA	CA	93003	N/A	VENTURA	CA	93003	VENTURA
066-0-032-240	SHORT & VICTORIA PROPERTIES	3920 E MAIN ST A	VENTURA	CA	93003	N/A	VENTURA	CA	93003	VENTURA
070-0-022-065	NODOLF,JAMES K & TERI A TRUST	489 LA FONDA DR	VENTURA	CA	93003	489 LA FONDA DR	VENTURA	CA	93003	VENTURA
070-0-022-075	ELSON,DAVID A TRUST	1328 FERNWOOD DR	SAN LUIS OBISPO	CA	93401	475 LA FONDA DR	VENTURA	CA	93003	VENTURA
070-0-022-085	KAHL,SELMA TRUST	3821 PERRY HALL RD	PERRY HALL	MD	21128	7048 LA FONDA CT	VENTURA	CA	93003	VENTURA
070-0-022-095	GREYSEN,GARRY TRUST	7030 LA FONDA CT	VENTURA	CA	93003	7030 LA FONDA CT	VENTURA	CA	93003	VENTURA
070-0-022-105	SUMLINER,MARCIA	7012 LA FONDA CT	VENTURA	CA	93003	7012 LA FONDA CT	VENTURA	CA	93003	VENTURA
070-0-022-115	WILLSON,JAYNE TRUST	7009 LA FONDA CT	VENTURA	CA	93003	7009 LA FONDA CT	VENTURA	CA	93003	VENTURA
070-0-023-055	WALKER,HARLE M III TRUST EST	235 ANSLEY DR	ATHENS	GA	30605	N/A	VENTURA	CA	93003	VENTURA
070-0-023-165	WALKER,HARLE M III	1050 HAGOOD LN	ATHENS	GA	30606	N/A	VENTURA	CA	93003	VENTURA

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070-0-023-265	CHAKRABARTI FAMILY TRUST	542 LA FONDA DR	VENTURA	CA	93003	542 LA FONDA DR	VENTURA	CA	93003	VENTURA
070-0-023-275	JOHNSON,ORDALE B TRUST	524 LA FONDA DR	VENTURA	CA	93003	524 LA FONDA DR	VENTURA	CA	93003	VENTURA
070-0-023-285	RYAN,BRIDGET V SURV TRUST	7062 EL MALABAR DR	VENTURA	CA	93003	7062 EL MALABAR DR	VENTURA	CA	93003	VENTURA
070-0-023-295	MATHEWS,JAMES E & DOROTHY N TRUST	506 LA FONDA DR	VENTURA	CA	93003	506 LA FONDA DR	VENTURA	CA	93003	VENTURA
070-0-023-305	SHIRLEY,ROBERT J & GAIL R	PO BOX 7920	VENTURA	CA	93006	488 LA FONDA DR	VENTURA	CA	93003	VENTURA
070-0-023-315	ESCALANTE,THOMAS A	79 E DAILY DR 302	CAMARILLO	CA	93010	470 LA FONDA DR	VENTURA	CA	93003	VENTURA
070-0-023-325	WALKER,HARLE M III TRUST EST	1050 HAGOOD LN	ATHENS	GA	30606	N/A	VENTURA	CA	93003	VENTURA
070-0-023-335	WALKER,HARLE M III TRUST EST	1050 HAGOOD LN	ATHENS	GA	30606	7195 FOOTHILL RD	VENTURA	CA	93003	VENTURA
070-0-023-345	WALKER,HARLE M III TRUST EST	1050 HAGOOD LN	ATHENS	GA	30606	7171 FOOTHILL RD	VENTURA	CA	93003	VENTURA
070-0-023-355	MATHEWS,JAMES E & DOROTHY N TRUST	506 LA FONDA DR	VENTURA	CA	93003	N/A	VENTURA	CA	93003	VENTURA
070-0-061-015	CLARK,THOMAS D & KARIN J TRUST	7074 EL MALABAR DR	VENTURA	CA	93003	7074 EL MALABAR DR	VENTURA	CA	93003	VENTURA
070-0-061-025	CLARK,THOMAS D & KARIN J TRUST	7074 EL MALABAR DR	VENTURA	CA	93003	7074 EL MALABAR DR	VENTURA	CA	93003	VENTURA
070-0-061-095	TAYLOR,NIGEL A L & ANTONIA C	549 HIGH POINT DR	VENTURA	CA	93003	549 HIGH POINT DR	VENTURA	CA	93003	VENTURA
070-0-061-115	ANDERSON,ROBERT D & PEGGY L TRUST	525 HIGH POINT DR	VENTURA	CA	93003	525 HIGH POINT DR	VENTURA	CA	93003	VENTURA
070-0-061-125	SIM,RONNIE & RIA TRUST	513 HIGH POINT DR	VENTURA	CA	93003	513 HIGH POINT DR	VENTURA	CA	93003	VENTURA
070-0-061-135	MONTANO,LISA	2736 E PONDEROSA DR 144	CAMARILLO	CA	93010	501 HIGH POINT DR	VENTURA	CA	93003	VENTURA
070-0-062-125	CH VENTURA MISSIONARY CORP	500 HIGH POINT DR	VENTURA	CA	93003	500 HIGH POINT DR	VENTURA	CA	93003	VENTURA
085-0-010-025	RANCHO DE LAS CEREZAS INC	2186 KNOLL DR A	VENTURA	CA	93003	FOOTHILL RD	VENTURA	CA	93003	VENTURA
085-0-010-035	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93003	VENTURA
085-0-010-125	WILSON,RALPH R & CATHERINE TRUST	7512 FOOTHILL RD	VENTURA	CA	93003	7512 FOOTHILL RD	VENTURA	CA	93003	VENTURA
085-0-010-220	LIMCO DEL MAR LTD	1141 CUMMINGS RD	SANTA PAULA	CA	93060	N/A	VENTURA	CA	93003	VENTURA
085-0-010-230	VENTURA COUNTY FL CTRL DISTRICT	800 S VICTORIA AVE	VENTURA	CA	93009	N/A	VENTURA	CA	93003	VENTURA
085-0-050-275	BOSWELL,GREGORY	412 ROOSEVELT CT	VENTURA	CA	93003	412 ROOSEVELT CT	VENTURA	CA	93003	VENTURA
085-0-050-285	SIMON,JOEL L & AUNA R TRUST	424 ROOSEVELT CT	VENTURA	CA	93003	424 ROOSEVELT CT	VENTURA	CA	93003	VENTURA
085-0-050-295	THOMPSON,BRIAN K & JANA	419 ROOSEVELT CT	VENTURA	CA	93003	419 ROOSEVELT CT	VENTURA	CA	93003	VENTURA
085-0-050-305	LAMBERT,KIRSTIE D TRUST	399 TYLER AVE	VENTURA	CA	93003	399 TYLER AVE	VENTURA	CA	93003	VENTURA
085-0-050-365	SAN BUENAVENTURA CITY OF	PO BOX 99	VENTURA	CA	93002	FOOTHILL RD	VENTURA	CA	93003	VENTURA
064-0-270-060	HENELLO LLC	PO BOX 4818	VENTURA	CA	93007	N/A	VENTURA	CA	N/A	VENTURA
064-0-270-160	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	N/A	VENTURA
064-0-270-200	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	N/A	VENTURA
064-0-270-250	MOSS,HAROLD & BINNEY TRUST ETAL	897 S LA LUNA AVE	OJAI	CA	93023	N/A	VENTURA	CA	N/A	VENTURA
064-0-270-310	LITTLE CLARA RANCH LLC	1419 LIRIO AVE	VENTURA	CA	93004	N/A	VENTURA	CA	N/A	VENTURA
064-0-270-320	SAN BUENAVENTURA CITY OF	PO BOX 99	VENTURA	CA	93002	N/A	VENTURA	CA	N/A	VENTURA
064-0-270-330	WALKER,HARE III TRUST EST ETAL	897 S LA LUNA AVE	OJAI	CA	93023	N/A	VENTURA	CA	N/A	VENTURA
064-0-270-340	SAN BUENAVENTURA CITY OF	PO BOX 99	VENTURA	CA	93002	N/A	VENTURA	CA	N/A	VENTURA

DATA SOURCE: LAND VISION
DATA DATE:
VENTURA_COUNTY:Parcels:11/02/2010;TaxRoll:09/21/2011;Transactions:7/17/2012

SANTA BARBARA RELIABILITY PROJECT
SEGMENT 2
300FT RADIUS OWNERSHIP LIST

APN	OWNER NAME1	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY	PROPERTY STATE	PROPERTY ZIP CODE	COUNTY
060-0-280-070	RANCHO CASITAS	1000 S SEAWARD AVE	VENTURA	CA	93001	CASITAS VISTA RD	VENTURA	CA	93001	VENTURA
060-0-220-150	PIERPONT,P & M TRUST C	4255 THACHER RD	OJAI	CA	93023	N/A	VENTURA	CA	93001	VENTURA
060-0-220-230	VENTURA COUNTY FL CTRL DIST	800 S VICTORIA AVE	VENTURA	CA	93009	N/A	VENTURA	CA	93001	VENTURA
060-0-220-260	SAN BUENAVENTURA CITY OF	PO BOX 99	VENTURA	CA	93002	N/A	VENTURA	CA	93001	VENTURA
060-0-220-120	VENTURA COUNTY OF	800 S VICTORIA AVE	VENTURA	CA	93009	N/A	VENTURA	CA	93001	VENTURA
060-0-220-270	SAN BUENAVENTURA CITY OF	PO BOX 99	VENTURA	CA	93002	N/A	VENTURA	CA	93001	VENTURA
061-0-230-020	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93001	VENTURA
061-0-230-340	DAVIS,WILMETTA B TRUST EST	35 KUNKLE ST	OAK VIEW	CA	93022	8251 EDISON DR	VENTURA	CA	93001	VENTURA
061-0-241-180	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93001	VENTURA
061-0-241-230	FARBER FAMILY TRUST	PO BOX 2649	VENTURA	CA	93002	8116 N VENTURA AVE	VENTURA	CA	93001	VENTURA
061-0-241-025	SOUTHERN CALIF EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	VENTURA	CA	93001	VENTURA
061-0-230-040	SACKLEY,STUART	8225 EDISON DR	VENTURA	CA	93001	8225 EDISON DR	VENTURA	CA	93001	VENTURA
061-0-241-035	PEERY,JOSEPH H & JANET S	8156 N VENTURA AVE	VENTURA	CA	93001	8156 N VENTURA AVE	VENTURA	CA	93001	VENTURA
061-0-241-215	MARHOLZ,GERALD D	8170 N VENTURA AVE	VENTURA	CA	93001	8170 N VENTURA AVE	VENTURA	CA	93001	VENTURA
061-0-241-225	SEMINARA,ANTHONY	8176 N VENTURA AVE	VENTURA	CA	93001	8176 N VENTURA AVE	VENTURA	CA	93001	VENTURA
060-0-210-120	RANCHO CASITAS	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	OJAI	CA	93001	VENTURA
060-0-220-015	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	VENTURA	CA	93001	VENTURA
060-0-210-115	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	OJAI	CA	93001	VENTURA
060-0-210-140	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	OJAI	CA	93001	VENTURA
060-0-220-240	RANCHO CASITAS	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	VENTURA	CA	93001	VENTURA
060-0-280-085	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	VENTURA	CA	93001	VENTURA
061-0-230-140	BEECHAM,VICTORIA K	8236 EDISON DR	VENTURA	CA	93001	8236 EDISON DR	VENTURA	CA	93001	VENTURA
061-0-230-150	DE MAEGT,JAMES P	500 W QUEEN ST	INGLEWOOD	CA	90301	N/A	VENTURA	CA	00000	VENTURA
061-0-230-170	VENTURA COUNTY WATERSHED	800 S VICTORIA AVE	VENTURA	CA	93009	8220 EDISON DR	VENTURA	CA	93001	VENTURA
061-0-230-180	LASALLE,THOMAS L TRUST	8513 N VENTURA AVE	VENTURA	CA	93001	8244 EDISON DR	VENTURA	CA	93001	VENTURA
061-0-230-230	LYNDS,DEIRDRE A	8225 N VENTURA AVE	VENTURA	CA	93001	8225 N VENTURA AVE	VENTURA	CA	93001	VENTURA
061-0-230-360	DE MAEGT,JAMES P	500 W QUEEN ST	INGLEWOOD	CA	90301	8195 N VENTURA AVE	VENTURA	CA	93001	VENTURA
061-0-230-390	HARPER,RICHARD & LEE ANN	8259 EDISON DR	VENTURA	CA	93001	8259 EDISON DR	VENTURA	CA	93001	VENTURA
061-0-230-440	FRANCIS,RICHARD L	711 S A ST	OXNARD	CA	93030	8260 EDISON DR	VENTURA	CA	93001	VENTURA
061-0-242-090	KEIPER,THEODORE K TRUST	8202 PARK VIEW DR	VENTURA	CA	93001	8202 PARKVIEW DR	VENTURA	CA	93001	VENTURA
061-0-242-100	JUENGERMANN,PETER & G H TRUST	1661 SWIFT AVE	VENTURA	CA	93003	8212 PARKVIEW DR	VENTURA	CA	93001	VENTURA

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SANTA BARBARA RELIABILITY PROJECT
SEGMENT 3A
300FT RADIUS OWNERSHIP LIST

APN	OWNER NAME1	OWNER NAME2	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY	PROPERTY STATE	PROPERTY ZIP CODE	TOTAL AREA (ACREAGE)	COUNTY
001-020-010	HUNT,VICTORIA WARREN	WARREN,WILLIAM THOMAS TR 6/8/8	5560 CASITAS PASS RD	CARPINTERIA	CA	93013	5560 CASITAS PASS RD	CARPINTERIA	CA	93013	21.8700	Santa Barbara
004-004-031	CARPINTERIA UNIFIED SCHOOL DIS	N/A	1400 LINDEN AVE	CARPINTERIA	CA	93013	4810 FOOTHILL RD	CARPINTERIA	CA	93013	37.6400	Santa Barbara
004-004-012	PERSOON,JOHANNES A P TR	PERSOON 10-7-93 TRUST	4990 FOOTHILL RD	CARPINTERIA	CA	93013	4990 FOOTHILL RD	CARPINTERIA	CA	93013	17.9500	Santa Barbara
004-004-028	SOUTHERN CAL EDISON CO	N/A	PO BOX 800	ROSEMEAD	CA	91770	N/A	CARPINTERIA	CA	93013	2.6200	Santa Barbara
004-006-072	LINDEN MEADOW OWNERS ASSOCIATI	N/A	902 S RICE RD	OJAI	CA	93023	N/A	CARPINTERIA	CA	93013	3.3100	Santa Barbara
004-006-076	CUEVAS,GUADALUPE D & JOSE LUIS	N/A	5071 ALVARADO ST	CARPINTERIA	CA	93013	5071 ALVARADO ST	CARPINTERIA	CA	93013	0.3400	Santa Barbara
004-006-039	LEITE,LUIS C & SUSANA C	N/A	1519 MEADOW CIR	CARPINTERIA	CA	93013	1519 MEADOW CIR	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-006-040	WEBB,FRANK & CAROL LIVING TRUS	N/A	1521 MEADOW CIR	CARPINTERIA	CA	93013	1521 MEADOW CIR	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-006-041	WILLIAMS,VALERIE C REVOC TRUST	N/A	1527 MEADOW CIR	CARPINTERIA	CA	93013	1527 MEADOW CIR	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-006-046	ESPOSITO FAMILY TRUST	N/A	1537 MEADOW CIR	CARPINTERIA	CA	93013	1537 MEADOW CIR	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-006-045	PUTNAM,MIMI L TRUST	N/A	6200 CASITAS PASS RD	CARPINTERIA	CA	93013	1535 MEADOW CIR	CARPINTERIA	CA	93013	0.1000	Santa Barbara
004-006-044	GRAMATOVICH FAMILY TRUST 11/12	N/A	1533 MEADOW CIR	CARPINTERIA	CA	93013	1533 MEADOW CIR	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-006-012	COPELAND,ELIZABETH	TAYLOR,DOUGLAS J JR	5071 FOOTHILL RD	CARPINTERIA	CA	93013	5071 FOOTHILL RD	CARPINTERIA	CA	93013	0.1500	Santa Barbara
004-006-010	MARY,LOUISE SANCHEZ TRUST 5/31	N/A	5041 FOOTHILL RD	CARPINTERIA	CA	93013	5041 FOOTHILL RD	CARPINTERIA	CA	93013	0.1300	Santa Barbara
004-006-020	CERDA FAMILY TRUST	N/A	5052 ALVARADO ST	CARPINTERIA	CA	93013	5052 ALVARADO ST	CARPINTERIA	CA	93013	0.1300	Santa Barbara
004-004-020	COUNTY FLOOD CONTROL & WATER C	N/A	N/A	N/A	N/A	N/A	N/A	CARPINTERIA	CA	93013	0.2800	Santa Barbara
004-006-016	WOOLFOLK,JOSEPH A & LINDA M	N/A	5010 ALVARADO ST	CARPINTERIA	CA	93013	5010 ALVARADO ST	CARPINTERIA	CA	93013	0.1500	Santa Barbara
004-006-011	MARY,LOUISE SANCHEZ TRUST 5/31	N/A	5041 FOOTHILL RD	CARPINTERIA	CA	93013	5051 FOOTHILL RD	CARPINTERIA	CA	93013	0.2400	Santa Barbara
004-006-021	SANGAS,LAURA	N/A	5062 ALVARADO ST	CARPINTERIA	CA	93013	5062 ALVARADO ST	CARPINTERIA	CA	93013	0.1300	Santa Barbara
004-006-013	SANCHEZ FAMILY TRUST	N/A	PO BOX 553	CARPINTERIA	CA	93014	5091 FOOTHILL RD	CARPINTERIA	CA	93013	0.1500	Santa Barbara
004-006-043	EKOLA,LELAND S JR & DEBORAH E	N/A	1531 MEADOW CIR	CARPINTERIA	CA	93013	1531 MEADOW CIR	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-006-017	DELAGUERRA,ZOANN BOCCIOLATT	N/A	5020 ALVARADO ST	CARPINTERIA	CA	93013	5020 ALVARADO ST	CARPINTERIA	CA	93013	0.1500	Santa Barbara
004-006-018	DONOVAN,STEVEN & CYNDI FAMILY	N/A	5042 ALVARADO ST	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93013	0.1300	Santa Barbara
004-006-019	DONOVAN,STEVEN & CYNDI FAMILY	N/A	5042 ALVARADO ST	CARPINTERIA	CA	93013	5042 ALVARADO ST	CARPINTERIA	CA	93013	0.1300	Santa Barbara
004-006-009	DEALBA FAMILY TRUST 5/31/01	N/A	5031 FOOTHILL RD	CARPINTERIA	CA	93013	5031 FOOTHILL RD	CARPINTERIA	CA	93013	0.3300	Santa Barbara
004-006-015	MCNUTT,DUANE K & MARY A	N/A	22909 CLOVER SPRING PL	TEHACHAPI	CA	93561	5004 ALVARADO ST	CARPINTERIA	CA	93013	0.1400	Santa Barbara
004-006-042	MEEHAN,DIANE D	N/A	1529 MEADOW CIR	CARPINTERIA	CA	93013	1529 MEADOW CIR	CARPINTERIA	CA	93013	0.1000	Santa Barbara
001-060-001	FOOTHILL ORCHARD LLC	N/A	1552 CASITAS PASS RD	CARPINTERIA	CA	93013	5335 FOOTHILL RD	CARPINTERIA	CA	93013	11.4800	Santa Barbara
001-020-033	BRAND,BARRY LIVING TRUST 1/11/	N/A	PO BOX 1276	CARPINTERIA	CA	93014	5390 FOOTHILL RD	CARPINTERIA	CA	93013	25.7200	Santa Barbara
004-007-056	SEACOAST VILLAGE HOMEOWNERS AS	N/A	3944 STATE ST 200	SANTA BARBARA	CA	93105	N/A	CARPINTERIA	CA	93013	4.2500	Santa Barbara
004-005-003	GIRLS INCORPORATED OF CARPINTE	N/A	5315 FOOTHILL RD	CARPINTERIA	CA	93013	5315 FOOTHILL RD	CARPINTERIA	CA	93013	1.5400	Santa Barbara
004-005-004	CITY OF CARPINTERIA	N/A	5775 CARPINTERIA AVE	CARPINTERIA	CA	93013	FOOTHILL RD	CARPINTERIA	CA	93013	4.0700	Santa Barbara
004-007-022	REISENWEBER,BIRGITTE I	N/A	5135 CONCORD PL	CARPINTERIA	CA	93013	5135 CONCORD PL	CARPINTERIA	CA	93013	0.1200	Santa Barbara
004-007-037	PINEDA,GREGORIO & ANA MARIA P	N/A	1705 28TH ST	BAKERSFIELD	CA	93301	5112 CAMBRIDGE LN	CARPINTERIA	CA	93013	0.1200	Santa Barbara
004-007-038	KASDAN TRUST	N/A	5100 CAMBRIDGE LN	CARPINTERIA	CA	93013	5100 CAMBRIDGE LN	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-007-021	BLUM,JOSEF W & SABRINA M	N/A	5119 CONCORD PL	CARPINTERIA	CA	93013	5119 CONCORD PL	CARPINTERIA	CA	93013	0.1500	Santa Barbara
004-007-026	ZARAGOZA,MARIO GEORGE LIVING	ST 1/31/02	1573 SEACOAST WAY	CARPINTERIA	CA	93013	1573 SEACOAST WAY	CARPINTERIA	CA	93013	0.1000	Santa Barbara
004-007-025	SHARMA,ANUPAMA	N/A	5199 CONCORD PL	CARPINTERIA	CA	93013	5199 CONCORD PL	CARPINTERIA	CA	93013	0.1000	Santa Barbara
004-007-024	MCMAHON,MICHAEL	N/A	5183 CONCORD PL	CARPINTERIA	CA	93013	5183 CONCORD PL	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-007-023	MAGER,ROBERT I & MARGARET J FA	N/A	5167 CONCORD PL	CARPINTERIA	CA	93013	5167 CONCORD PL	CARPINTERIA	CA	93013	0.0900	Santa Barbara
004-007-010	LEHTINEN FAMILY TRUST	N/A	1574 SEACOAST WAY	CARPINTERIA	CA	93013	1574 SEACOAST WAY	CARPINTERIA	CA	93013	0.1000	Santa Barbara
004-007-011	DRAIN JAMES W FAMILY TRUST	N/A	1580 SEACOAST WAY	CARPINTERIA	CA	93013	1580 SEACOAST WAY	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-007-012	DUCCA SUZANNE IRA ROLLOVER	PACIFIC CAPITAL BANK N A CUSTO	1021 ANACAPA ST	SANTA BARBARA	CA	93101	1586 SEACOAST WAY	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-007-018	HOPPERSTAD,CYNTHIA TANG & EVER	N/A	5134 CONCORD PL	CARPINTERIA	CA	93013	5134 CONCORD PL	CARPINTERIA	CA	93013	0.1200	Santa Barbara
004-007-019	VAN DE WATER 1998 FAMILY SURVI	23/98	1694 SAN LEANDRO LN	SANTA BARBARA	CA	93108	5118 CONCORD PL	CARPINTERIA	CA	93013	0.1900	Santa Barbara
004-007-020	MCGRATH,MARY ELLEN REVOC TRUST	N/A	5102 CONCORD PL	CARPINTERIA	CA	93013	5102 CONCORD PL	CARPINTERIA	CA	93013	0.1200	Santa Barbara
004-006-075	TLJ TRUST 11/1/95	N/A	5072 ALVARADO ST	CARPINTERIA	CA	93013	5072 ALVARADO ST	CARPINTERIA	CA	93013	0.2500	Santa Barbara
004-007-016	ISE FAMILY TRUST	N/A	746 VIA MANANA	SANTA BARBARA	CA	93108	5166 CONCORD PL	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-007-017	CONGER,JAMES GREENWOOD 2004 RE	26/04	5150 CONCORD PL	CARPINTERIA	CA	93013	5150 CONCORD PL	CARPINTERIA	CA	93013	0.1000	Santa Barbara
004-007-014	GARCIA,SERGIO & SARA	N/A	5198 CONCORD PL	CARPINTERIA	CA	93013	5198 CONCORD PL	CARPINTERIA	CA	93013	0.1000	Santa Barbara
004-007-015	STOCKTON,MATTHEW J & JACOB	N/A	5182 CONCORD PL	CARPINTERIA	CA	93013	5182 CONCORD PL	CARPINTERIA	CA	93013	0.1100	Santa Barbara
004-007-013	BONGIOVI,HENRY J & BARBARA A	N/A	1592 SEACOAST WAY	CARPINTERIA	CA	93013	1592 SEACOAST WAY	CARPINTERIA	CA	93013	0.1300	Santa Barbara
001-060-042	VAN WINGERDEN,EDUARD P & NADIA	VAN,WINGERDEN 3-21-89 TRUST	4701 FOOTHILL RD	CARPINTERIA	CA	93013	5601 CASITAS PASS RD	CARPINTERIA	CA	93013	4.8300	Santa Barbara
001-060-043	FUJII,ROBERT I & LILLIAN	N/A	5649 CASITAS PASS RD	CARPINTERIA	CA	93013	5649 CASITAS PASS RD	CARPINTERIA	CA	93013	9.8100	Santa Barbara
001-020-021	COUNTY OF SANTA BARBARA ETAL	N/A	N/A	N/A	N/A	N/A	N/A	CARPINTERIA	CA	93013	0.2800	Santa Barbara
001-060-040	YAMAOKA FLOWERS	N/A	1552 CASITAS PASS RD	CARPINTERIA	CA	93013	1552 CASITAS PASS RD	CARPINTERIA	CA	93013	9.2900	Santa Barbara
001-020-008	OVERGAAG,JOHANNES L & LUCIA C	OVERGAAG FAMILY TRUST 2/3/83	PO BOX 1249	CARPINTERIA	CA	93014	5470 FOOTHILL RD	CARPINTERIA	CA	93013	6.4700	Santa Barbara
001-020-042	OVERGAAG,JOHANNES L & LUCIA C	OVERGAAG,JOHANNES L & LUCIA C	PO BOX 1249	CARPINTERIA	CA	93014	5550 CASITAS PASS RD	CARPINTERIA	CA	93013	2.1000	Santa Barbara
004-004-045	SANCHEZ BROTHERS LLC	N/A	PO BOX 939	CARPINTERIA	CA	93014	4998 FOOTHILL RD	CARPINTERIA	CA	93013	3.0000	Santa Barbara
004-006-074	COUNTY FLOOD CONTROL & WATER C	N/A	N/A	N/A	N/A	N/A	N/A	CARPINTERIA	CA	93013	2.3600	Santa Barbara
004-004-029	SOUTHERN CAL EDISON CO	N/A	PO BOX 800	ROSEMEAD	CA	91770	4952 FOOTHILL RD	CARPINTERIA	CA	93013	1.9000	Santa Barbara
004-006-002	GREEN,SALLY D	N/A	4951 FOOTHILL RD	CARPINTERIA	CA	93013	4951 FOOTHILL RD	CARPINTERIA	CA	93013	0.2800	Santa Barbara
004-006-006	BURCH,BELDON CHARLES	N/A	4971 FOOTHILL RD	CARPINTERIA	CA	93013	4971 FOOTHILL RD	CARPINTERIA	CA	93013	0.2900	Santa Barbara
004-006-003	ABNEY,KATHLEEN LOVETT & RICHAR	N/A	4953 FOOTHILL RD	CARPINTERIA	CA	93013	4953 FOOTHILL RD	CARPINTERIA	CA	93013	0.2800	Santa Barbara
004-006-007	CRAVEN,JANE G	N/A	4981 FOOTHILL RD	CARPINTERIA	CA	93013	4981 FOOTHILL RD	CARPINTERIA	CA	93013	0.2800	Santa Barbara

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VENTURA_COUNTY:Parcels:11/02/2010;TaxRoll:09/21/2011;Transactions:7/17/2012

SANTA BARBARA RELIABILITY PROJECT
SEGMENT 3A
300FT RADIUS OWNERSHIP LIST

APN	OWNER NAME1	OWNER NAME2	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY	PROPERTY STATE	PROPERTY ZIP CODE	TOTAL AREA (ACREAGE)	COUNTY
004-006-005	MALONE,STEVEN A & JANET L	N/A	4961 FOOTHILL RD	CARPINTERIA	CA	93013	4961 FOOTHILL RD	CARPINTERIA	CA	93013	0.2900	Santa Barbara
004-004-021	FIRST BAPTIST CHURCH & CARPINT	N/A	5026 FOOTHILL RD	CARPINTERIA	CA	93013	5026 FOOTHILL RD	CARPINTERIA	CA	93013	1.7200	Santa Barbara
004-006-008	LOPEZ,CURTIS & D FAMILY TRUST	N/A	4991 FOOTHILL RD	CARPINTERIA	CA	93013	4991 FOOTHILL RD	CARPINTERIA	CA	93013	0.2800	Santa Barbara
004-004-022	MCDONALD,JAMES B	BLICKLEY,LEO F III	4228 CARPINTERIA AVE 2	CARPINTERIA	CA	93013	4998 FOOTHILL RD	CARPINTERIA	CA	93013	1.0000	Santa Barbara
004-004-030	SOUTHERN CAL EDISON CO	N/A	PO BOX 800	ROSEMEAD	CA	91770	HWY 150 & LINDEN A	CARPINTERIA	CA	93013	0.3700	Santa Barbara
004-004-037	VAN WINGERDEN,RENE T & JUNE B	VAN WINGERDEN,R & J 11-28-95 T	4444 FOOTHILL RD	CARPINTERIA	CA	93013	5154 FOOTHILL RD	CARPINTERIA	CA	93013	13.0300	Santa Barbara
004-004-038	VAN WINGERDEN,RENE T & JUNE B	VAN WINGERDEN,R & J 11-28-95 T	4444 FOOTHILL RD	CARPINTERIA	CA	93013	FOOTHILL RD	CARPINTERIA	CA	93013	13.8100	Santa Barbara
001-090-034	GREENORANGE FARMS LLC	N/A	3301 INGLEWOOD BLVD	LOS ANGELES	CA	90066	6701 CASITAS PASS RD	CARPINTERIA	CA	93013	15.6600	Santa Barbara
001-090-035	GREENORANGE FARMS LLC	N/A	3301 INGLEWOOD BLVD	LOS ANGELES	CA	90066	N/A	CARPINTERIA	CA	93013	25.4900	Santa Barbara
001-090-007	MILLER & MERRITT FAMILY TRUST	N/A	6555 CASITAS PASS RD	CARPINTERIA	CA	93013	6555 CASITAS PASS RD	CARPINTERIA	CA	93013	15.3900	Santa Barbara
001-090-041	BLISS T G & P D FAMILY TRUST	N/A	6217 CASITAS PASS RD	CARPINTERIA	CA	93013	6217 CASITAS PASS RD	CARPINTERIA	CA	93013	15.1500	Santa Barbara
001-080-044	PHELPS RANCH PROPERTIES	CORD,PHELPS	255 MAPLE CT 220	VENTURA	CA	93003	6199 CASITAS PASS RD	CARPINTERIA	CA	93013	34.9600	Santa Barbara
001-090-008	WHITNEY,AUSTIN B	N/A	PO BOX 1288	CARPINTERIA	CA	93014	6505 CASITAS PASS RD	CARPINTERIA	CA	93013	15.4900	Santa Barbara
001-090-039	GAGGERO FAMILY TRUST 12/3/03	N/A	6655 CASITAS PASS RD	CARPINTERIA	CA	93013	6655 CASITAS PASS RD	CARPINTERIA	CA	93013	7.3500	Santa Barbara
001-090-040	GAGGERO FAMILY TRUST 12/3/03	N/A	6655 CASITAS PASS RD	CARPINTERIA	CA	93013	6625 CASITAS PASS RD	CARPINTERIA	CA	93013	9.8800	Santa Barbara
001-090-032	CASTILE 2008 FAMILY TRUST 1/3/	N/A	6511 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	6511 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	9.5800	Santa Barbara
001-090-002	BOYD,DONALD ERIC FAMILY TRUST	N/A	PO BOX 325	CARPINTERIA	CA	93014	6460 CASITAS PASS RD	CARPINTERIA	CA	93013	6.1300	Santa Barbara
001-090-037	BLISS LANDS INC	N/A	PO BOX 120	CARPINTERIA	CA	93014	6335 CASITAS PASS RD	CARPINTERIA	CA	93013	9.9100	Santa Barbara
001-090-010	BLISS,TIMOTHY & VIRGINIA FAMIL	N/A	PO BOX 50440	SANTA BARBARA	CA	93150	6405 CASITAS PASS RD	CARPINTERIA	CA	93013	9.9100	Santa Barbara
001-090-009	BARNARD FAMILY AGRICULTURAL LL	HARDING,MARILYN B	PO BOX 5571	SANTA BARBARA	CA	93150	N/A	CARPINTERIA	CA	93013	4.8200	Santa Barbara
001-090-033	CASTILE FAMILY 2008 TRUST 1/3/	N/A	6511 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	CASITAS PASS RD	CARPINTERIA	CA	93013	9.8200	Santa Barbara
001-090-024	BEARD CARPINTERIA LLC	N/A	908 ALSTON RD	SANTA BARBARA	CA	93108	6680 CASITAS PASS RD	CARPINTERIA	CA	93013	5.5700	Santa Barbara
001-090-023	BARNARD,GAYLE IRENE	BARNARD,CHARLES REV TRUST TR	PO BOX 5571	SANTA BARBARA	CA	93150	6650 CASITAS PASS RD	CARPINTERIA	CA	93013	11.3800	Santa Barbara
001-101-049	CALIFORNIA TROPICS	N/A	6950 CASITAS PASS RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93013	18.9100	Santa Barbara
001-101-002	VANWINGERDEN FAMILY TRUST 3/21	N/A	4701 FOOTHILL RD	CARPINTERIA	CA	93013	6700 CASITAS PASS RD	CARPINTERIA	CA	93013	17.9000	Santa Barbara
001-440-005	VANDERKAR FAMILY TRUST 5/18/87	N/A	7075 CASITAS PASS RD	CARPINTERIA	CA	93013	7017 SHEPARD MESA RD	CARPINTERIA	CA	93013	20.2500	Santa Barbara
001-101-046	WATANABE,KAZUO & KEIKO REVOC T	N/A	6898 CASITAS PASS RD	CARPINTERIA	CA	93013	6898 CASITAS PASS RD	CARPINTERIA	CA	93013	9.9600	Santa Barbara
001-101-030	SCHETTINO,SALVATORE A	N/A	7074 CASITAS PASS RD	CARPINTERIA	CA	93013	7074 CASITAS PASS RD	CARPINTERIA	CA	93013	4.9500	Santa Barbara
001-101-043	VANDERKAR FAMILY TRUST	N/A	7017 SHEPARD MESA RD	CARPINTERIA	CA	93013	7075 CASITAS PASS RD	CARPINTERIA	CA	93013	6.5900	Santa Barbara
001-440-003	VANDERKAR FAMILY TRUST 8/23/04	N/A	6800 RINCON RD	CARPINTERIA	CA	93013	7080 CASITAS PASS RD	CARPINTERIA	CA	93013	5.8500	Santa Barbara
001-440-001	VANDERKAR FAMILY TRUST 6/29/00	N/A	7075 CASITAS PASS RD	CARPINTERIA	CA	93013	CASITAS PASS RD	CARPINTERIA	CA	93013	0.6500	Santa Barbara
001-440-002	BROWN,ANTHONY & JEHANNE	ABBOTT,TIREY C JR	1565 SEACOAST WAY	CARPINTERIA	CA	93013	CASITAS PASS RD	CARPINTERIA	CA	93013	0.4400	Santa Barbara
001-440-006	VANDERKAR FAMILY TRUST 5/18/87	N/A	7075 CASITAS PASS RD	CARPINTERIA	CA	93013	CASITAS PASS RD	CARPINTERIA	CA	93013	0.5700	Santa Barbara
001-450-002	ANDERSON,SUSAN	N/A	688 OAK AVE	CARPINTERIA	CA	93013	CASITAS PASS HWY 150 RD	CARPINTERIA	CA	93014	6.1400	Santa Barbara
001-101-056	FLANNERY TR	FLANNERY,SUSAN TRUST 3/31/92	6977 SHEPARD MESA RD	CARPINTERIA	CA	93013	6965 SHEPARD MESA RD	CARPINTERIA	CA	93013	3.3200	Santa Barbara
001-101-027	GERMANETTI,MICKEY & BOBBI LIVI	ROLLINS,MICHAEL S	1519 CASITAS PASS RD	CARPINTERIA	CA	93013	6945 SHEPARD MESA RD	CARPINTERIA	CA	93013	1.0000	Santa Barbara
001-101-038	DRISCOLL FARMS LLC	N/A	330 E CANON PERDIDO ST E	SANTA BARBARA	CA	93101	6905 SHEPARD MESA RD	CARPINTERIA	CA	93013	13.2300	Santa Barbara
001-101-032	PEREZ,TRINO RICHARD & IDA MAY	PEREZ 6/27/94 TRUST	6875 SHEPARD MESA RD	CARPINTERIA	CA	93013	6875 SHEPARD MESA RD	CARPINTERIA	CA	93013	1.2100	Santa Barbara
001-101-033	LARKIN,RESIDDENCE TRUST 11/27/	LARKIN,H ROBERT TR JR	6855 SHEPARD MESA RD	CARPINTERIA	CA	93013	6855 SHEPARD MESA RD	CARPINTERIA	CA	93013	4.7400	Santa Barbara
001-101-045	VALLEY VIEW ORCHARDS INC	N/A	1565 SEACOAST WAY	CARPINTERIA	CA	93013	6915 SHEPARD MESA RD	CARPINTERIA	CA	93013	5.4600	Santa Barbara
001-101-036	VEDDER,MARK LIVING TRUST	N/A	538 MAPLE ST	CARPINTERIA	CA	93013	6830 CASITAS PASS RD	CARPINTERIA	CA	93013	3.0500	Santa Barbara
001-101-026	KERSTETTER & CAVANAUGH LIVING	N/A	6957 SHEPARD MESA RD	CARPINTERIA	CA	93013	6957 SHEPARD MESA RD	CARPINTERIA	CA	93013	0.8900	Santa Barbara
001-101-035	NISHIMURA,WARREN & REIKO	N/A	6835 SHEPARD MESA RD	CARPINTERIA	CA	93013	6835 SHEPARD MESA RD	CARPINTERIA	CA	93013	2.6900	Santa Barbara
001-101-034	HOMAN,CHARLES ANDREW & KAREN T	HOMAN,CHARLES A 5-11-92 TRUST	6845 SHEPARD MESA RD	CARPINTERIA	CA	93013	6845 SHEPARD MESA RD	CARPINTERIA	CA	93013	1.0000	Santa Barbara
001-101-031	ADAMS,CLIFFORD A & GAYLE G	N/A	6885 SHEPARD MESA RD	CARPINTERIA	CA	93013	6885 SHEPARD MESA RD	CARPINTERIA	CA	93013	1.6500	Santa Barbara
001-101-001	DUFFY,JOHN C TRUST	N/A	6888 SHEPARD MESA RD	CARPINTERIA	CA	93013	6888 SHEPARD MESA RD	CARPINTERIA	CA	93013	0.5200	Santa Barbara
001-101-028	WEISS,KENNETH R	BARON,NANCY E	6935 SHEPARD MESA RD	CARPINTERIA	CA	93013	6935 SHEPARD MESA RD	CARPINTERIA	CA	93013	0.6500	Santa Barbara
001-101-044	FRIEDLANDER,ELIZABETH LIVING T	HACKETT,WELLES LIVING TRUST 1/	12424 WILSHIRE BLVD 1150	LOS ANGELES	CA	90025	6925 SHEPARD MESA RD	CARPINTERIA	CA	93013	0.8800	Santa Barbara
001-101-023	FISHMAN DAVID A FAMILY TRUST	FISHMAN MONICA MORRISEY FAMILY	7025 SHEPARD MESA RD	CARPINTERIA	CA	93013	7025 SHEPARD MESA RD	CARPINTERIA	CA	93013	4.0500	Santa Barbara
001-101-057	SIMPSON,JOHN H FAMILY TRUST	PAGLIEI,PATTI FAMILY TRUST	6977 SHEPARD MESA RD	CARPINTERIA	CA	93013	6977 SHEPARD MESA RD	CARPINTERIA	CA	93013	3.0200	Santa Barbara
001-450-007	GIORDANO,JEFFREY & NANETTE	N/A	PO BOX 1234	WESTON	CT	06883	7200 CASITAS PASS RD	CARPINTERIA	CA	93013	14.7000	Santa Barbara
001-450-004	DELK TRUST 7/17/09	N/A	7220 CASITAS PASS RD	CARPINTERIA	CA	93013	7220 CASITAS PASS RD	CARPINTERIA	CA	93013	10.2100	Santa Barbara
001-020-015	LANDMARK RANCH PROPERTIES LLC	N/A	1012 STATE ST A	SANTA BARBARA	CA	93101	5800 CASITAS PASS RD	CARPINTERIA	CA	93013	31.0800	Santa Barbara
001-060-057	KENDRICK,CRAIG	KENDRICK,CRAIG TR 10/22/90 TRU	5815 CASITAS PASS RD	CARPINTERIA	CA	93013	5809 CASITAS PASS RD	CARPINTERIA	CA	93013	25.1100	Santa Barbara
001-060-053	NISHIMURA,GEORGE I & TAMAKO TR	NISHIMURA 11/30/90 TRUST	5885 CASITAS PASS RD	CARPINTERIA	CA	93013	5885 CASITAS PASS RD	CARPINTERIA	CA	93013	32.3600	Santa Barbara
001-030-030	CALLAHAN,MEREDITH R	N/A	6075 CASITAS PASS RD	CARPINTERIA	CA	93013	6075 CASITAS PASS RD	CARPINTERIA	CA	93013	30.3800	Santa Barbara
001-030-026	CARPINTERIA LIONS CLUB	N/A	PO BOX 191	CARPINTERIA	CA	93014	6197 CASITAS PASS RD	CARPINTERIA	CA	93013	1.9200	Santa Barbara
001-030-031	BAILARD,THOMAS E ETAL	LA ROSA,DE CASTILLA	127 SELBY LN	ATHERTON	CA	94027	6075 CASITAS PASS RD	CARPINTERIA	CA	93013	11.5400	Santa Barbara
001-030-014	USA	N/A	6115 CASITAS PASS RD	CARPINTERIA	CA	93013	6115 CASITAS PASS RD	CARPINTERIA	CA	93013	2.2000	Santa Barbara
001-090-042	BLISS T G & P D FAMILY TRUST	N/A	6217 CASITAS PASS RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93013	0.0300	Santa Barbara
001-030-004	CIRCLE G LLC	N/A	PO BOX 15185	BEVERLY HILLS	CA	90209	N/A	CARPINTERIA	CA	93013	0.0500	Santa Barbara
001-020-022	NORMANS NURSERY INC	CONEJO DRUGS INC	8665 DUARTE RD	SAN GABRIEL	CA	91775	5770 CASITAS PASS RD	CARPINTERIA	CA	93013	16.5700	Santa Barbara
001-030-022	VANWINGERDEN FAMILY TRUST	N/A	6030 CASITAS PASS RD	CARPINTERIA	CA	93013	5980 CASITAS PASS RD	CARPINTERIA	CA	93013	15.3200	Santa Barbara
001-060-044	PERSOON FAMILY TRUST 10/7/93	N/A	4990 FOOTHILL RD	CARPINTERIA	CA	93013	5775 CASITAS PASS RD	CARPINTERIA	CA	93013	4.8300	Santa Barbara
001-030-029	KONO,STEPHEN C & DENISE M	KONO,JONATHAN & LAURA H ETAL	5433 CAMEO RD	CARPINTERIA	CA	93013	5900 CASITAS PASS RD	CARPINTERIA	CA	93013	12.1100	Santa Barbara

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SANTA BARBARA RELIABILITY PROJECT
SEGMENT 3A
300FT RADIUS OWNERSHIP LIST

APN	OWNER NAME1	OWNER NAME2	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY	PROPERTY STATE	PROPERTY ZIP CODE	TOTAL AREA (ACREAGE)	COUNTY
001-030-023	J & C FARMS	N/A	6030 CASITAS PASS RD	CARPINTERIA	CA	93013	6030 CASITAS PASS RD	CARPINTERIA	CA	93013	16.7700	Santa Barbara
001-030-037	PUTNAM,MIMI L TRUST	N/A	6200 CASITAS PASS RD	CARPINTERIA	CA	93013	N/A	N/A	CA	N/A	18.8000	Santa Barbara
001-090-030	MACMURRAY FAMILY TRUST	N/A	6333 CASITAS PASS RD	CARPINTERIA	CA	93013	6333 CASITAS PASS RD	CARPINTERIA	CA	93013	3.4900	Santa Barbara
001-090-028	TAKAHASHI,YOSHI ALBERT	N/A	PO BOX 1215	SUMMERLAND	CA	93067	6250 CASITAS PASS RD	CARPINTERIA	CA	93013	5.1400	Santa Barbara
001-090-029	CARPINTERIA COUNTY WATER DISTR	N/A	N/A	N/A	N/A	N/A	N/A	CARPINTERIA	CA	93013	0.2900	Santa Barbara
001-030-027	PUTNAM,MIMI L TRUST	N/A	6200 CASITAS PASS RD	CARPINTERIA	CA	93013	6200 CASITAS PASS RD	CARPINTERIA	CA	93013	24.9000	Santa Barbara
008-0-160-370	BROWN,ANTHONY E & JEHANNE K	N/A	1565 SEACOAST WAY	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93013	0.2200	Ventura

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SANTA BARBARA RELIABILITY PROJECT
SECTION 3B
300FT RADIUS OWNERSHIP LISTING

APN	OWNER NAME1	OWNER NAME2	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY	PROPERTY STATE	PROPERTY ZIP CODE	TOTAL AREA (ACREAGE)	COUNTY
008-0-210-055	BEAR,MADELEINE T TRUST ETAL	N/A	7128 CASITAS PASS RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93013	97.6600	VENTURA
008-0-210-030	BROWN INVESTMENTS INC	SANCHEZ,RICHARD R & MARY L TRU	PO BOX 910	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	22.4000	VENTURA
008-0-160-315	DELWICHE,JOHN V & NORMA	N/A	7032 CASITAS PASS RD	CARPINTERIA	CA	93013	N/A	RINCON	CA	93013	49.4600	VENTURA
008-0-210-020	BROWN INVESTMENTS INC	N/A	PO BOX 910	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	2.5500	VENTURA
008-0-200-335	SIPLE FAMILY TRUST	N/A	6500 CASITAS PASS RD	VENTURA	CA	93001	N/A	RINCON	CA	93001	42.3400	VENTURA
008-0-200-195	SIPLE,RANDOLPH E & SUSAN D	N/A	6500 CASITAS PASS RD	VENTURA	CA	93001	6520 CASITAS PASS RD	VENTURA	CA	93001	32.6300	VENTURA
008-0-200-105	STARN,CHARLES C & JOAN P TRUST	N/A	655 ALISO ST	VENTURA	CA	93001	N/A	RINCON	CA	93001	40.0100	VENTURA
008-0-230-015	HUDSON,EVELYN TRUST	N/A	35 W MAIN ST B-323	VENTURA	CA	93001	N/A	VENTURA	CA	93001	20.0800	VENTURA
008-0-200-205	SIPLE,RANDOLPH E & SUSAN D	N/A	6500 CASITAS PASS RD	VENTURA	CA	93001	N/A	RINCON	CA	93001	7.3500	VENTURA
008-0-230-025	SIPLE FAMILY TRUST	N/A	6500 CASITAS PASS RD	VENTURA	CA	93001	N/A	N/A	CA	N/A	20.0700	VENTURA
008-0-230-035	RIPARETTI,STAR	N/A	312 W YANONALI ST	SANTA BARBARA	CA	93101	8599 OCEAN VIEW RD	VENTURA	CA	93001	20.0700	VENTURA
060-0-030-065	ATKINSON,JOHN S & PAULINE D TR	N/A	4900 CASITAS PASS RD	VENTURA	CA	93001	N/A	RINCON	CA	93001	21.2300	VENTURA
060-0-030-030	COAST RANCH FAMILY PART	N/A	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	RINCON	CA	93001	217.9000	VENTURA
008-0-190-285	ATKINSON,JOHN S & PAULINE D TR	N/A	4900 CASITAS PASS RD	VENTURA	CA	93001	N/A	RINCON	CA	93001	43.9600	VENTURA
008-0-180-120	COAST RANCH FAMILY PART	N/A	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	RINCON	CA	93001	120.0000	VENTURA
008-0-230-055	ORGANISTA,MICHAEL	DYER,STEVEN	898 CONCHA LOMA DR	CARPINTERIA	CA	93013	N/A	VENTURA	CA	93001	18.3700	VENTURA
008-0-230-045	HENDRICKSON,NORM	N/A	PO BOX 50350	COLORADO SPRINGS	CO	80949	N/A	VENTURA	CA	93001	20.0700	VENTURA
008-0-190-315	CLAMMER,ALAN	N/A	PO BOX 898	CARPINTERIA	CA	93014	4860 CASITAS PASS RD	VENTURA	CA	93001	9.7400	VENTURA
008-0-190-255	CHANG,SAM	N/A	4872 CASITAS PASS RD	VENTURA	CA	93001	4872 CASITAS PASS RD	VENTURA	CA	93001	10.0000	VENTURA
008-0-190-305	BEEDY,OREN R	N/A	4866 CASITAS PASS RD	VENTURA	CA	93001	4866 CASITAS PASS RD	VENTURA	CA	93001	10.0000	VENTURA
008-0-190-245	PUCCINELLI,KEITH J & FRANCES G	N/A	4878 CASITAS PASS RD	VENTURA	CA	93001	4878 CASITAS PASS RD	VENTURA	CA	93001	10.0000	VENTURA
008-0-200-295	SIPLE FAMILY TRUST	N/A	6500 CASITAS PASS RD	VENTURA	CA	93001	N/A	RINCON	CA	93001	41.3700	VENTURA
008-0-200-325	STARN,CHARLES C & JOAN P TRUST	N/A	655 ALISO ST	VENTURA	CA	93001	N/A	RINCON	CA	93001	45.5500	VENTURA
008-0-210-075	DELWICHE,JOHN V & NORMA	N/A	7032 CASITAS PASS RD	CARPINTERIA	CA	93013	7032 CASITAS PASS RD	CARPINTERIA	CA	93013	77.7000	VENTURA
008-0-200-305	MAHL,CAROLINE F	N/A	11355 CREEK RD	OJAI	CA	93023	N/A	RINCON	CA	93001	40.9100	VENTURA
008-0-200-265	LELANDE,DAVID S II & SHARON TR	N/A	PO BOX 1202	CARPINTERIA	CA	93014	N/A	RINCON	CA	93001	42.2700	VENTURA
008-0-180-685	TAYLOR,DONOVAN & CINDY	N/A	6702 BREAKERS WAY	VENTURA	CA	93001	N/A	RINCON	CA	93001	245.7300	VENTURA
060-0-210-120	RANCHO CASITAS	N/A	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	OJAI	CA	93001	125.6500	VENTURA
060-0-210-115	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	N/A	OJAI	CA	93001	2176.7600	VENTURA
060-0-040-160	RANCHO CASITAS	N/A	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	RINCON	CA	93001	308.3700	VENTURA
008-0-190-355	CLAMMER,ALAN	MENDENHALL,SHERRI	PO BOX 898	CARPINTERIA	CA	93014	N/A	RINCON	CA	93001	49.5100	VENTURA
060-0-210-140	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	N/A	OJAI	CA	93001	17.6300	VENTURA
060-0-040-010	RANCHO CASITAS	N/A	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	RINCON	CA	93001	83.1000	VENTURA
060-0-030-070	RANCHO CASITAS	N/A	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	RINCON	CA	93001	80.0000	VENTURA
001-450-002	ANDERSON,SUSAN	N/A	688 OAK AVE	CARPINTERIA	CA	93013	CASITAS PASS HWY 150 RD	CARPINTERIA	CA	93014	6.1400	SANTA BARBARA
001-450-007	GIORDANO,JEFFREY & NANETTE	N/A	PO BOX 1234	WESTON	CT	06883	7200 CASITAS PASS RD	CARPINTERIA	CA	93013	14.7000	SANTA BARBARA
001-450-004	DELK TRUST 7/17/09	N/A	7220 CASITAS PASS RD	CARPINTERIA	CA	93013	7220 CASITAS PASS RD	CARPINTERIA	CA	93013	10.2100	SANTA BARBARA

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SANTA BARBARA RELIABILITY PROJECT
SEGMENT 4
300FT RADIUS AFFECTED PARCELS

APN	OWNER NAME1	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY	PROPERTY STATE	PROPERTY ZIP CODE	COUNTY
004-004-031	CARPINTERIA UNIFIED SCHOOL DIS	1400 LINDEN AVE	CARPINTERIA	CA	93013	4810 FOOTHILL RD	CARPINTERIA	CA	93013	Santa Barbara
004-004-012	PERSOON,JOHANNES A P TR	4990 FOOTHILL RD	CARPINTERIA	CA	93013	4990 FOOTHILL RD	CARPINTERIA	CA	93013	Santa Barbara
004-004-028	SOUTHERN CAL EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	N/A	CARPINTERIA	CA	93013	Santa Barbara
004-004-045	SANCHEZ BROTHERS LLC	PO BOX 939	CARPINTERIA	CA	93014	4998 FOOTHILL RD	CARPINTERIA	CA	93013	Santa Barbara
004-004-029	SOUTHERN CAL EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	4952 FOOTHILL RD	CARPINTERIA	CA	93013	Santa Barbara
004-004-030	SOUTHERN CAL EDISON CO	PO BOX 800	ROSEMEAD	CA	91770	HWY 150 & LINDEN A	CARPINTERIA	CA	93013	Santa Barbara
004-004-042	PERSOON,JOHANNES A P	4990 FOOTHILL RD	CARPINTERIA	CA	93013	4950 FOOTHILL RD	CARPINTERIA	CA	93013	Santa Barbara
004-004-043	PERSOON,JOHANNES A P TR	4990 FOOTHILL RD	CARPINTERIA	CA	93013	4520 FOOTHILL RD	CARPINTERIA	CA	93013	Santa Barbara
155-170-069	GARRISON RANCHO LLC	N/A	N/A	N/A	N/A	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-180-063	HORTON TRUST	5146 FOOTHILL RD	CARPINTERIA	CA	93013	N/A	N/A	CA	N/A	Santa Barbara
155-180-094	DELGIORGIO CORPORATION	4518 FOOTHILL RD	CARPINTERIA	CA	93013	4540 FOOTHILL RD	CARPINTERIA	CA	93013	Santa Barbara
155-200-067	CATE SCHOOL CORPORATION	PO BOX 5005	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-057	VEDDER DWIGHT G CO	2020 LILLINGSTON CANYON RD	CARPINTERIA	CA	93013	2022 LILLINGSTON CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
155-200-056	NICHOLS,PETER C & CAROLYN T	PO BOX 38	CARPINTERIA	CA	93014	7300 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
155-200-032	NICHOLS,PETER C & CAROLYN T	PO BOX 38	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-069	WIDDOES LIVING TRUST 9/28/95	11812 SAN VICENTE BLVD 4	LOS ANGELES	CA	90049	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-059	WARD,MARIA I TRUST	PO BOX 241	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
001-050-034	EL-BADRY,ABDALLA MOHAMED HAFEZ	7242 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	7242 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
001-050-036	GOENA,RAYMOND L & ELVIRA C TR	PO BOX 866	CARPINTERIA	CA	93014	7240 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
001-050-026	BROWN GROVER GARLAND & ANNA BO	PO BOX 758	CARPINTERIA	CA	93014	7196 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
155-200-045	BROWN GROVER GARLAND & ANNA BO	PO BOX 758	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-038	BRUCKER,JANEL 3/12/03 TRUST	PO BOX 274	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-034	CARPINTERIA VALLEY WATER DISTR	1243 W ST	FRESNO	CA	93721	7204 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
155-200-026	USA	N/A	N/A	N/A	N/A	N/A	CARPINTERIA	CA	93013	Santa Barbara
001-050-011	KARLSON,ROGER A & LYNN G	7010 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	7010 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
001-050-002	ECKERT,PHILIP B LIVING TRUST	6950 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	6950 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
001-050-003	MILLER,ANDREW & KAREN ANNA	302 BLOOMFIELD RD	SEBASTOPOL	CA	95472	6952 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
155-200-070	WIDDOES LIVING TRUST 9/28/95	11812 SAN VICENTE BLVD 4	LOS ANGELES	CA	90049	7000 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
155-200-068	COUNTY FLOOD CONTROL & WATER C	N/A	N/A	N/A	N/A	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-022	VEDDER DWIGHT G CO	2020 LILLINGSTON CANYON RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-086	WIDDOES LIVING TRUST 9/28/95	11812 SAN VICENTE BLVD 4	LOS ANGELES	CA	90049	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-085	WIDDOES LIVING TRUST 9/28/95	11812 SAN VICENTE BLVD 4	LOS ANGELES	CA	90049	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-047	BROWN GROVER GARLAND & ANNA BO	PO BOX 758	CARPINTERIA	CA	93014	7220 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
155-200-048	BROWN GROVER GARLAND & ANNA BO	PO BOX 758	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-043	BROWN GROVER GARLAND & ANNA BO	PO BOX 758	CARPINTERIA	CA	93014	7200 GOBERNADOR CANYON RD	CARPINTERIA	CA	93013	Santa Barbara
155-200-051	BROWN GROVER GARLAND & ANNA BO	PO BOX 758	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-200-042	CATE SCHOOL CORPORATION	PO BOX 5005	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-190-049	GARRISON RANCHO LLC	N/A	N/A	N/A	N/A	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-190-021	CATE SCHOOL CORPORATION	PO BOX 5005	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-190-015	CATE SCHOOL CORPORATION	PO BOX 5005	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
155-170-016	CATE SCHOOL CORPORATION	PO BOX 5005	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93013	Santa Barbara
008-0-180-020	VAN DER KAR FAMILY LP ETAL	7017 SHEPARD MESA RD	CARPINTERIA	CA	93013	N/A	RINCON	CA	93001	Ventura
008-0-220-085	VAN DER KAR,EVANGELINE TRUST	7075 CASITAS PASS RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93001	Ventura
008-0-140-140	MAC BROWN INC	PO BOX 8	CARPINTERIA	CA	93014	5901 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-180-685	TAYLOR,DONOVAN & CINDY	6702 BREAKERS WAY	VENTURA	CA	93001	N/A	RINCON	CA	93001	Ventura
008-0-180-010	VAN DER KAR FAMILY LP ETAL	7017 SHEPARD MESA RD	CARPINTERIA	CA	93013	N/A	RINCON	CA	93001	Ventura
008-0-180-635	SHAW,JEFFREY R ETAL	6214 CASITAS PASS RD	VENTURA	CA	93001	6214 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-220-060	VAN DER KAR FAMILY LP ETAL	7017 SHEPARD MESA RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93001	Ventura
008-0-220-075	RUBIO,EDWARD D & NANCY J TRUST	PO BOX 893	CARPINTERIA	CA	93014	N/A	CARPINTERIA	CA	93001	Ventura
008-0-140-050	RUBIO,EDWARD D & NANCY J TRUST	PO BOX 893	CARPINTERIA	CA	93014	6759 CASITAS PASS RD	CARPINTERIA	CA	93013	Ventura
008-0-220-030	UNITED STATES OF AMERICA	NATIONAL FRST	N/A	CA	N/A	NATIONAL FRST	CARPINTERIA	CA	93001	Ventura
008-0-220-140	TALBERT,LEE M TRUST	7416 STANLEY PARK RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93001	Ventura
008-0-220-150	TALBERT,LEE M TRUST	7416 STANLEY PARK RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93001	Ventura

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SANTA BARBARA RELIABILITY PROJECT
SEGMENT 4
300FT RADIUS AFFECTED PARCELS

APN	OWNER NAME1	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP CODE	PROPERTY ADDRESS	PROPERTY CITY	PROPERTY STATE	PROPERTY ZIP CODE	COUNTY
008-0-220-110	BARROWS,WALTER SR & BRENDA TRU	7406 STANLEY PARK RD	CARPINTERIA	CA	93013	10188 STANLEY PARK RD	CARPINTERIA	CA	93013	Ventura
008-0-220-170	VAN DER KAR,EVANGELINE TRUST	7075 CASITAS PASS RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93001	Ventura
008-0-220-050	POPEJOY,C ETAL	404 E CHEVY CHASE DR 205	GLENDALE	CA	91205	N/A	CARPINTERIA	CA	93001	Ventura
008-0-220-160	MEYR,JOSEF & ALETA L	7418 STANLEY PARK RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93001	Ventura
008-0-220-130	MEYR,JOSEF & ALETA L	7418 STANLEY PARK RD	CARPINTERIA	CA	93013	7418 STANLEY PARK RD	CARPINTERIA	CA	93013	Ventura
008-0-220-040	RUBIO,EDWARD D & NANCY J TRUST	PO BOX 893	CARPINTERIA	CA	93014	6759 CASITAS PASS RD	CARPINTERIA	CA	93013	Ventura
008-0-140-175	TAYLOR,DONOVAN & CINDY	6702 BREAKERS WAY	VENTURA	CA	93001	N/A	RINCON	CA	93001	Ventura
008-0-140-080	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	RINCON	CA	93001	Ventura
008-0-180-620	MESSORI,ROLAND & DOLORES TRUST	355 SIERRA VISTA RD	SANTA BARBARA	CA	93108	5850 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-190-015	PARADISE GROVE LLC	17 VINTAGE RIDGE DR	LAS VEGAS	NV	89141	5333 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-180-195	DE LAY,EVELYN L SURV TRUST	5528 CASITAS PASS RD	VENTURA	CA	93001	5528 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-180-735	PARADISE GROVE LLC	17 VINTAGE RIDGE DR	LAS VEGAS	NV	89141	N/A	RINCON	CA	93001	Ventura
008-0-180-590	MAC BROWN INC	PO BOX 8	CARPINTERIA	CA	93014	N/A	RINCON	CA	93001	Ventura
008-0-180-560	ALINA LLC	1260 N BUNDY DR	LOS ANGELES	CA	90049	5650 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-180-725	PARADISE GROVE LLC	17 VINTAGE RIDGE DR	LAS VEGAS	NV	89141	N/A	RINCON	CA	93001	Ventura
008-0-140-160	MESSORI,ROLAND & DOLORES TRUST	355 SIERRA VISTA RD	SANTA BARBARA	CA	93108	N/A	RINCON	CA	93001	Ventura
008-0-140-040	UNITED STATES OF AMERICA	U S FRST	N/A	CA	N/A	U S FRST	CARPINTERIA	CA	93001	Ventura
008-0-220-120	VAN DER KAR,EVANGELINE TRUST	7075 CASITAS PASS RD	CARPINTERIA	CA	93013	N/A	CARPINTERIA	CA	93001	Ventura
060-0-210-120	RANCHO CASITAS	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	OJAI	CA	93001	Ventura
060-0-210-115	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	OJAI	CA	93001	Ventura
060-0-210-130	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	OJAI	CA	93001	Ventura
060-0-210-140	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	OJAI	CA	93001	Ventura
008-0-190-105	GL MORGAN INVESTMENTS ETAL	PO BOX 487	CARPINTERIA	CA	93014	4454 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-190-410	SNELLING,JIM	4200 CASITAS PASS RD	VENTURA	CA	93001	4200 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-190-430	PALATO,RICHARD & BETTY	4224 CASITAS PASS RD	VENTURA	CA	93001	4224 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-190-500	BRIGHT,GARY MARSHALL	4299 CARPINTERIA AVE	CARPINTERIA	CA	93013	3750 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-190-470	BRIGHT,GARY ETAL	4299 CARPINTERIA AVE	CARPINTERIA	CA	93013	N/A	RINCON	CA	93001	Ventura
008-0-190-390	UNITED STATES OF AMERICA	N/A	N/A	N/A	N/A	N/A	RINCON	CA	93001	Ventura
008-0-190-185	ENTHOVEN,ANNE M G	PO BOX 976	SUMMERLAND	CA	93067	4697 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-190-125	TATE,WILBUR H LIVING TRUST	16225 AVALON CT	CHINO HILLS	CA	91709	4262 CASITAS PASS RD	VENTURA	CA	93001	Ventura
008-0-190-215	APPEL,TIM A ETAL	PO BOX 962	OAK VIEW	CA	93022	N/A	RINCON	CA	93001	Ventura
008-0-190-360	RANCHO CASITAS	1000 S SEAWARD AVE	VENTURA	CA	93001	N/A	RINCON	CA	93001	Ventura

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APPENDIX F

FIELD MANAGEMENT PLAN

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List of Terms

ACSR	aluminum conductor steel reinforced
CDHS	California Department of Health Services
C/L	center line
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
LSTs	lattice steel towers
mG	milliGauss
MVA	megavolt-ampere
MEER	Mechanical Electrical Equipment Room
MW	megawatt
NIEHS	National Institute of Environmental Health Sciences
NRPB	National Radiation Protection Board
PEA	Proponents Environmental Assessment
RAPID	Research and Public Information Dissemination
R-O-W	right-of-way
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 Company's (SCE) Field Management Plan (FMP) for the Santa Barbara County Reliability Project (the Project). The Project would generally occur in the area between the City of San Buenaventura (Ventura) and the City of Carpinteria. The purpose of the Project is to increase reliability by reinforcing the existing 66 kilovolt (kV) subtransmission system in northwestern Ventura County and southeastern Santa Barbara County to meet the electrical demands of the South Coast of Santa Barbara County (SB South Coast area) during emergency conditions while also enhancing operational flexibility. The SB South Coast area includes the cities of Goleta, Carpinteria, Santa Barbara and adjacent unincorporated southern Santa Barbara County. SCE proposes to reconstruct existing 66 kV subtransmission facilities primarily within existing utility rights-of way (ROW) between the existing Santa Clara Substation in Ventura County and the existing Carpinteria Substation in Santa Barbara County. The Project has been divided into discrete geographic segments:

- Segment 1 spans from Santa Clara Substation in the east to Casitas Substation in the west.
- Segment 2 spans from Casitas Substation in the east to the 'Y' in the west. The 'Y' is the point along the corridor where Segments 2, 3B, and 4 converge; it is located near Casitas Pass.
- Segment 3A spans from Carpinteria Substation in the west to the Santa Barbara County/ Ventura County border in the east.
- Segment 3B spans from the Santa Barbara County/Ventura County border in the west to the 'Y' in the east.
- Segment 4 spans from the 'Y' in the east to Carpinteria Substation in the west.
- The 'Getty Tap,' discussed below, is located approximately in the middle of Segment 1.

For the purpose of evaluating magnetic field reduction measures the FMP evaluates the following components: substation work at Casitas Substation and Carpinteria Substation; Segments 3A, 3B and 4; and the Getty Tap. The proposed work in Segment 1 and 2 does not impact any major electrical components and is therefore not evaluated.

The Project includes the following major electrical components:

- Segment 3A originates at Carpinteria Substation and terminates at the border of Santa Barbara County and Ventura County. The linear length of Segment 3A is approximately 3.7 miles. Portions of work were previously completed in Segment 3A. To complete the Project work in Segment 3A, approximately 2.3 miles of fault return

conductor would be installed. In addition, 15 previously topped wood poles would be removed or relinquished:

1. Six poles contain distribution circuits that would be transferred to LWS poles prior to removal of the topped wood poles.
2. Five poles contain third-party facilities that would be transferred by SCE or the third-party owner and the topped wood poles would be removed or relinquished.
3. Four poles contain no equipment.

- Segment 3B originates at the Santa Barbara County/Ventura County line and terminates at the "Y". The linear length of Segment 3B is approximately 5.2 miles. Approximately 31 lattice steel towers (LSTs) would be replaced with approximately 21 tubular steel poles (TSPs) and one light weight steel (LWS) pole, and approximately 27,500 feet of 954 aluminum conductor steel reinforced (ACSR) would be installed and existing conductor removed. A short (~2,500-foot) section of Segment 3B would be moved from the current alignment and constructed in new ROW. The superstructure of existing LSTs to be replaced as part of the Project would be removed, and the foundations removed to 2 feet below ground surface; foundations would not be removed if removal would result in erosion concerns or if requested by the landowner.

- Segment 4 originates at the "Y" and terminates at Carpinteria Substation. Approximately 70 LSTs, one wood H-frame, and seven wood poles would be replaced with approximately 63 TSPs and one LWS pole. The linear length of Segment 4 is approximately 10.8 miles. Approximately 57,000 feet of double-circuit 954 ACSR would be installed and existing conductor removed. In addition, two pole switches would be removed. The existing LSTs, H-frame structures and wood poles along Segment 4 that are part of the Project would be removed. The superstructure of existing LSTs to be replaced as part of the Project would be removed, and the foundations removed to 2 feet below ground surface; foundations would not be removed if removal would result in erosion concerns or if requested by the landowner. All TSPs would be constructed to accommodate telecommunications cable.

- The Getty Tap is located approximately in the middle of Segment 1. In order to continue service to Getty Substation, the Getty Tap would be installed to connect conductor currently part of the existing (and soon-to-be-retired) Santa Clara-Getty 66 kV Subtransmission Line to the new Santa Clara-Carpinteria-Getty 66 kV Subtransmission Line.

  Between 1999 and 2004, two footings for TSPs, two LWS H-frames, and one LWS pole were installed. In addition, two switches were installed, and two wood H-frames

and one wood pole were removed. The following work at the Getty Tap location would be conducted as part of the Project:

- Install two TSPs, three LWS poles, and four LWS H-frames
- Install three switches
- Remove two wood poles and four wood H-frames
- Install approximately 900 feet of 653 ACSR from the tap location to an existing 66 kV subtransmission line
- Remove approximately 200 feet of 2/0 bare copper conductor and 75 feet of 653 ACSR
- Install one switch and its automation equipment, and install and connect automation equipment for two existing pole switches
- Remove three switches.

There are no new substations proposed as part of this Project. Modifications to existing substations described below in the following sections are being performed to accommodate the reconductoring of subtransmission lines between Santa Clara Substation, Casitas Substation, and Carpinteria Substation.

The Project includes work to be conducted at eight existing substations. Work would be conducted at two 220/66 kV substations (Goleta Substation and Santa Clara Substation) and six 66/16 kV substations (Carpinteria Substation, Casitas Substation, Getty Substation, Ortega Substation, Santa Barbara Substation, and Ventura Substation). All substation-related work at the substations would be conducted within the existing substation walls or fence lines; subtransmission and telecommunications-related work at the substations may require work outside the substation walls or fence lines. Regardless of the location of the work, the substation footprints or exterior dimensions of the substations would not be expanded as part of the Project.

As previously discussed, this FMP only evaluates the work being done in Carpinteria Substation and Casitas Substation, as work in other aforementioned substations would have no significant impact on electric and magnetic fields (EMF).

Carpinteria Substation

Work at Carpinteria Substation would occur on the 66 kV operating and transfer buses and within the Mechanical Electrical Equipment Room (MEER). 66 kV subtransmission conductor would be installed and realigned within Carpinteria Substation. To accommodate the conductor installation and realignment, three existing LSTs and two wood poles inside the substation fence line would be replaced with three TSPs; three switches would also be removed. Approximately 1,150 feet of 954 stranded aluminum conductor (SAC) would be routed overhead and connected to the 66 kV switchrack at Carpinteria Substation.

Casitas Substation

Work at Casitas Substation would occur on the 66 kV switchrack and within the MEER, as well as adjacent to the substation. The 66 kV subtransmission conductor would be installed and realigned within Casitas Substation. To accommodate this realignment, one TSP would be installed on the eastern portion of the substation property outside the substation fence. The new

Santa Clara-Carpinteria-Casitas 66 kV Subtransmission Line and the existing Santa Clara-Casitas 66 kV Subtransmission Line would be attached to the new TSP and routed to the 66 kV switchrack. In addition, the idle Santa Clara-San Marcos 66 kV Subtransmission Line would be terminated on this structure. The TSP would function as a riser pole; subtransmission cable would be routed within the TSP, thus transitioning from an overhead to underground routing on the substation property. Two duct banks consisting of four 5-inch conduits each (a total of eight conduits) would be installed on SCE property both within and outside the substation fence from the base of the new TSP to the existing circuit breakers. A total of approximately 130 feet of duct in two duct banks would be installed. Each subtransmission cable would be placed in a conduit and then connected to the appropriate 66 kV position.

SCE has prepared this FMP in order to inform the public, the California Public Utilities Commission (CPUC), and other interested parties of SCE's evaluation of "no-cost and low-cost" magnetic field reduction design options for this project, and SCE's proposed plan regarding whether and how to apply these design options to this 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] EMF. 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.

The "no-cost and low-cost" magnetic field reduction design options that are incorporated into the design of the Project are as follows:

- Utilizing subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria
- Arranging conductors of the proposed subtransmission lines for magnetic field reduction
- Utilizing double-circuit construction that reduces spacing between circuits as compared with single-circuit constructions
- Placing new substation electrical equipment (such as breakers, switchracks, and buses and underground duct banks) away from the substation property lines closest to populated areas.

Table 1 summarizes "no-cost and low-cost" magnetic field reduction design options that SCE considered for the Project.

SCE's plan for applying the above "no-cost and low-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

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

EMF Design Guidelines,[2] and with applicable national and state safety standards for new electrical facilities.

[2] EMF Design Guidelines, August 2006.

Table 1. Summary of "No-cost and Low-cost" Magnetic Field Reduction Design Options

Area No.	Location[3]	Adjacent Land Use[4]	MF Reduction Design Options Considered	Estimated Cost to Adopt	Design Option(s) Adopted? (Yes/No)	Reason(s) if not adopted
Segment 3A 66 kV proposed reconductor Santa Clara-Carpinteria-Getty Subtransmission Line	From Santa Barbara County and Ventura County Line to Carpinteria Substation	1,2,4,5,6	• Utilizing subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria	• No-Cost[5]	• Yes	
Segment 3B 66 kV proposed reconductor Santa Clara-Carpinteria-Getty Subtransmission Line	Santa Barbara County and Ventura County Line in the west to the "Y" in the east	2,5,6	• Utilizing subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria	• No-Cost[6]	• Yes	
Segment 4 -Section One Existing Santa Clara-Ojai-Santa Barbara and proposed Santa Clara-Carpinteria-Casitas 66 kV Subtransmission Lines on double-circuit structures	Between the eastern end of Segment 4 in the vicinity of Casitas Pass to the point in the hills above the City of Carpinteria Substation where the line transitions from a westerly heading to a southerly heading	2,4,5,6	• Utilizing subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria • Utilizing double-circuit construction that reduces spacing between circuits as compared with single-circuit constructions • Arranging conductors of proposed subtransmission line for magnetic field reduction	• No-Cost • No-Cost • Low-Cost	• Yes • Yes • Yes	

3 This column shows the major cross streets, subtransmission lines or structures , 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.*

Area No.	Location[3]	Adjacent Land Use[4]	MF Reduction Design Options Considered	Estimated Cost to Adopt	Design Option(s) Adopted? (Yes/No)	Reason(s) if not adopted
Segment 4 - Section Two Proposed Santa Clara-Carpinteria-Casitas and existing Goleta-Carpinteria-Desal-Santa Barbara 66 kV Subtransmission Lines on double circuit structures	From the point in the hills above the City of Carpinteria where the line transitions from a westerly heading to a southerly heading to the end of Segment 4 at Carpinteria Substation	1,2,3,4,5,6	• Utilizing subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria • Utilizing double-circuit construction that reduces spacing between circuits as compared with single-circuit constructions • Arranging conductors of proposed subtransmission line for magnetic field reduction	• No-Cost • No-Cost • Low-Cost	• Yes • Yes • Yes	
Carpinteria Substation	Near the intersection of Foothill Road and Linden Avenue in Carpinteria CA	1,2,3,4,5	• Placing new substation electrical equipment (such as breakers, switchracks, and buses and underground duct banks) away from the substation property lines closest to populated areas	• No-Cost	• Yes	
Casitas Substation	Along SR-33/ North Ventura Avenue near Parkview Drive in unincorporated community of Casitas	2,4,6	• Placing substation electrical equipment (such as breakers, switchracks, and buses and underground duct banks) away from the substation property lines closest to populated areas	• No-Cost	• Yes	
Getty Tap	Located approximately in the middle of Segment 1	6	• Not applicable (N/A) - Proposed construction work would not change the EMF exposure in the area from the existing environment	• N/A	• N/A	

II. BACKGROUND REGARDING EMF AND PUBLIC HEALTH RESEARCH ON EMF

There are many sources of power frequency[7] 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.[8]

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) 1999,[9] the National Radiation Protection Board (NRPB) 2001,[10] the International Commission on non-Ionizing Radiation Protection (ICNIRP) 2001, the California Department of Health Services (CDHS) 2002,[11] and the International Agency for Research on Cancer (IARC) 2002.[12]

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."[13]

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7 In U.S., it is 60 Hertz (Hz).

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

9 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.

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

11 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.

12 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.

13 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 concludes that ELF-EMF exposure cannot be recognized as entirely safe because of weak scientific evidence that exposure may pose a leukemia hazard."[14]

- "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."[15]

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."[16]

In 2002, three scientists for CDHS concluded:

> "To one degree or another, all three of the [C]DHS 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.

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14 *Ibid.*, p. iii.

15 *Ibid.*, p. 37 - 38.

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

> For adult leukemia, two of the scientists are 'close to the dividing line between believing or not believing' and one was 'prone to believe' that EMFs cause some degree of increased risk."[17]

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

> "ELF magnetic fields are possibly carcinogenic to humans",[18] 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."[19]

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 everyday, chronic low-intensity (above 0.3-0.4 μT [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 leukaemia."[20]
>
> "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."[21]
>
> "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

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17 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.

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

19 *Ibid*., p. 332 - 334.

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

21 *Ibid*., p. 12.

> 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"[22]
>
> "Furthermore, given both the weakness of the evidence for a link between exposure to ELF magnetic fields and childhood leukemia, and the limited impact 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."[23]

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,[24] and the policy direction that (1) use of numeric exposure limits was not appropriate in setting utility design guidelines to address EMF,[25] 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.[26]

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[22] *Ibid*., p. 12.

[23] *Ibid*., p. 13.

[24] 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.").

[25] 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.").

[26] 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.").

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 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 ROW [right-of-way]…"[27]

   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."[28]

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[27] CPUC Decision 06-01-042, p. 10.

[28] CPUC Decision 93-11-013, § 3.3.2, p.10.

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."[29] 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 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."[30]

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[29] CPUC Decision 06-01-042, p. 10.
[30] CPUC Decision 06-01-042, p. 11.

IV. PROJECT DESCRIPTION

Southern California Edison proposes to reconstruct existing 66 kilovolt (kV) subtransmission facilities within existing utility rights-of way (ROW) between the existing Santa Clara Substation in Ventura County and the existing Carpinteria Substation in Santa Barbara County (Figure 1). The purpose of the Project is to increase reliability by reinforcing the existing 66 kV subtransmission system in northwestern Ventura County and southeastern Santa Barbara County to meet the electrical demands of the South Coast of Santa Barbara County (SB South Coast area) during emergency conditions while also enhancing operational flexibility. The SB South Coast area includes the cities of Goleta, Carpinteria, Santa Barbara and adjacent unincorporated southern Santa Barbara County. The Project has been divided into discrete geographic segments:

- Segment 1 spans from Santa Clara Substation in the east to Casitas Substation in the west.
- Segment 2 spans from Casitas Substation in the east to the 'Y' in the west. The 'Y' is the point along the corridor where Segments 2, 3B, and 4 converge; it is located near Casitas Pass.
- Segment 3A spans from Carpinteria Substation in the west to the Santa Barbara County/ Ventura County border in the east.
- Segment 3B spans from the Santa Barbara County/Ventura County border in the west to the 'Y' in the east.
- Segment 4 spans from the 'Y' in the east to Carpinteria Substation in the west.
- The 'Getty Tap,' discussed below, is located approximately in the middle of Segment 1.

For the purpose of evaluating magnetic field reduction measures, the FMP evaluates the following components: substation work at Casitas Substation and Carpinteria Substation, Segments 3A, 3B and 4, and the Getty Tap. The proposed work in Segments 1 and 2 does not impact any major electrical components and is therefore not evaluated.

The Project includes the following major electrical components:

- Segment 3A originates at Carpinteria Substation and terminates at the border of Santa Barbara County and Ventura County. The linear length of Segment 3A is approximately 3.7 miles. The following work was conducted within Segment 3A:

    1. Approximately 32 existing wood poles along Segment 3A were not replaced; the condition of these poles was determined to be sufficient to support the new conductor, and the only work conducted on these poles was the installation of new conductor.

2. Forty-nine new light weight steel (LWS) poles were installed to support the reconductoring. These new LWS poles take the place of approximately 49 wood subtransmission poles that previously supported 66 kV facilities. Work on these poles included the installation of new conductor and the transfer of distribution circuits.

3. With respect to the pre-existing 49 wood subtransmission poles, some of these 49 wood subtransmission poles were removed entirely, and others were 'topped' by removing the upper portion of the pole, thus leaving shorter poles in place on which 16 kV distribution circuits and third-party telecommunications facilities remain.

4. Approximately 19,500 feet of single circuit 954 stranded aluminum conductor (SAC) was installed to replace existing conductor.

5. One TSP was installed at the eastern terminus of Segment 3A; this TSP replaced an existing wood pole.

6. Approximately five wood guy stubs with heights between 20 and 30 feet were replaced with five new wood guy stubs with heights between 25 and 40 feet.

As discussed above, the transfer of the existing 16 kV distribution circuits and third-party telecommunications facilities that were collocated on the wood 66 kV subtransmission poles was not completed. To complete the Project work in Segment 3A, approximately 2.3 miles of fault return conductor would be installed. In addition, 15 previously topped wood poles would be removed or relinquished:

1. Six poles contain distribution circuits that would be transferred to LWS poles prior to removal of the topped wood poles.

2. Five poles contain third-party facilities that would be transferred by SCE or the third-party owner and the topped wood poles would be removed or relinquished.

3. Four poles contain no equipment.

- Segment 3B originates at the Santa Barbara County/Ventura County line and terminates at the "Y". The linear length of Segment 3B is approximately 5.2 miles. Approximately 31 lattice steel towers (LSTs) would be replaced with approximately 21 TSPs and one LWS pole, and approximately 27,500 feet of 954 aluminum conductor steel reinforced (ACSR) would be installed and existing conductor removed. A short (~2,500-foot) section of Segment 3B would be moved from the current alignment and constructed in new ROW. The superstructure of existing LSTs replaced as part of the Project would be removed, and the foundations removed to 2

feet below ground surface; foundations would not be removed if removal would result in erosion concerns or if requested by the landowner.

- Segment 4 originates at the "Y" and terminates at Carpinteria Substation. Approximately 70 LSTs, one wood H-frame, and seven wood poles would be replaced with approximately 63 TSPs and one LWS pole. The linear length of Segment 4 is approximately 10.8 miles. Approximately 57,000 feet of double-circuit 954 ACSR would be installed and existing conductor removed. In addition, two pole switches would be removed. The existing LSTs, H-frame structures and wood poles along Segment 4 that are part of the Project would be removed. The superstructure of existing LSTs replaced as part of the Project would be removed, and the foundations removed to 2 feet below ground surface; foundations would not be removed if removal would result in erosion concerns or if requested by the landowner. All TSPs could be constructed to accommodate telecommunications cable.

- The Getty Tap is located approximately in the middle of Segment 1. In order to continue service to Getty Substation, the Getty Tap would be installed to connect conductor currently part of the existing (and soon-to-be-retired) Santa Clara-Getty 66 kV Subtransmission Line to the new Santa Clara-Carpinteria-Getty 66 kV Subtransmission Line.

  Between 1999 and 2004, two footings for TSPs, two LWS H-frames, and one LWS pole were installed. In addition, two switches were installed, and two wood H-frames and one wood pole were removed. The following work at the Getty Tap location would be conducted as part of the Project:

  - Install two TSPs, three LWS poles, and four LWS H-frames
  - Install three switches
  - Remove two wood poles and four wood H-frames
  - Install approximately 900 feet of 653 ACSR from the tap location to an existing 66 kV subtransmission line
  - Remove approximately 200 feet of 2/0 bare copper conductor and 75 feet of 653 ACSR
  - Install one switch and its automation equipment, and install and connect automation equipment for two existing pole switches
  - Remove three switches.

There are no new substations proposed as part of this Project. Modifications to existing substations described below in the following sections are being performed to accommodate the reconductoring of subtransmission lines between Santa Clara Substation, Casitas Substation, and Carpinteria Substation.

The Project includes work to be conducted at eight existing substations. Work would be conducted at two 220/66 kV substations (Goleta Substation and Santa Clara Substation) and six 66/16 kV substations (Carpinteria Substation, Casitas Substation, Getty Substation, Ortega Substation, Santa Barbara Substation, and Ventura Substation). All substation-related work at the substations would be conducted within the existing substation walls or fence lines;

subtransmission and telecommunications-related work at the substations may require work outside the substation walls or fence lines. Regardless of the location of the work, the substation footprints or exterior dimensions of the substations would not be expanded as part of the Project.

This FMP only evaluates the work being done in Carpinteria Substation and Casitas Substation, as work in other aforementioned substations have no significant impact on electric and magnetic fields (EMF).

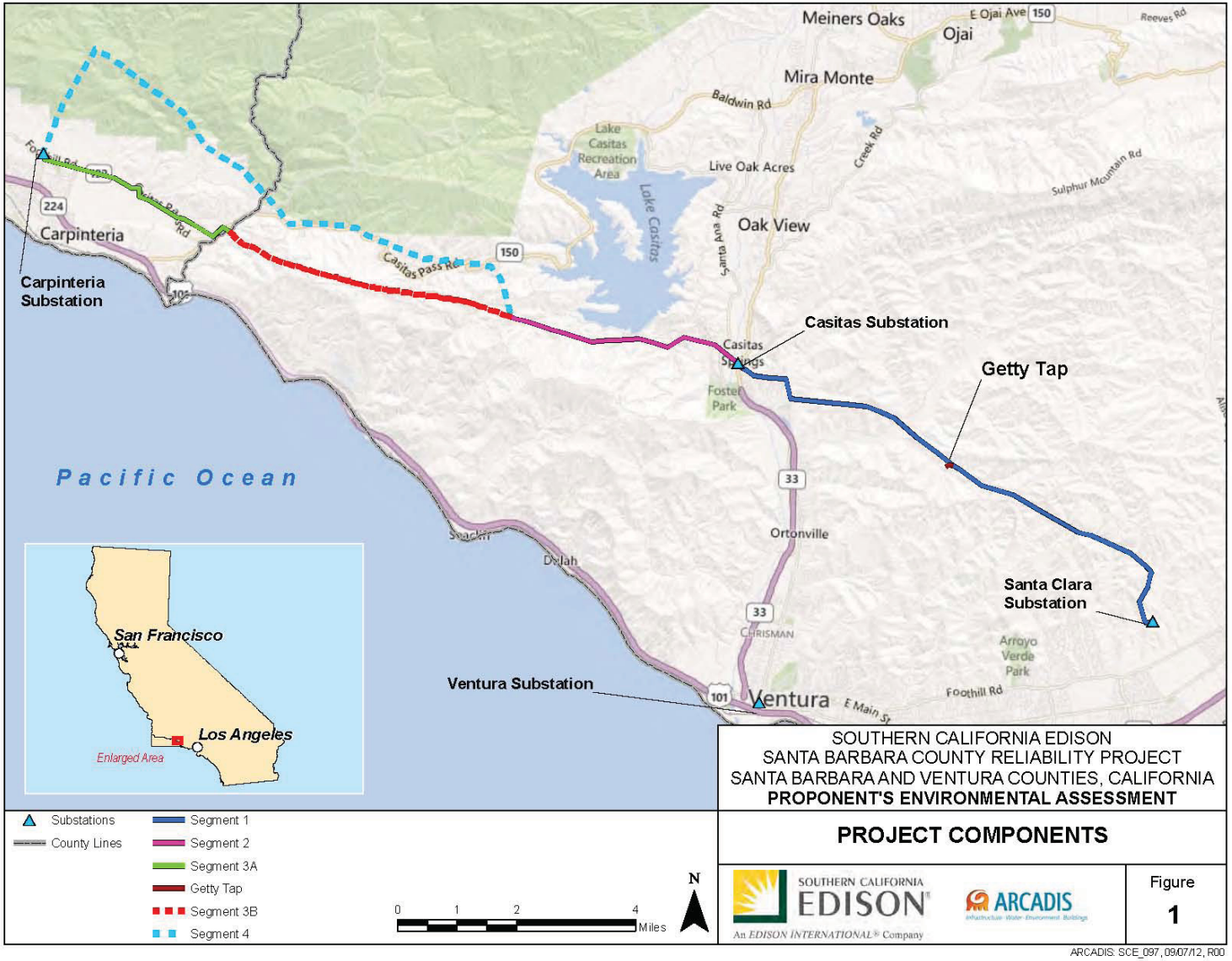
Carpinteria Substation

Work at Carpinteria Substation would occur on the 66 kV operating and transfer buses and within the Mechanical Electrical Equipment Room (MEER). The 66 kV subtransmission conductor would be installed and realigned within Carpinteria Substation. To accommodate the conductor installation and realignment, three existing LSTs and two wood poles inside the substation fence line would be replaced with three TSPs; three switches would also be removed. Approximately 1,150 feet of 954 SAC would be routed overhead and connected to the 66 kV switchrack at Carpinteria Substation.

Casitas Substation

Work at Casitas Substation would occur on the 66 kV switchrack and within the MEER, as well as adjacent to the substation. The 66 kV subtransmission conductor would be installed and realigned within Casitas Substation. To accommodate this realignment, one TSP would be installed on the eastern portion of the substation property outside the substation fence. The new Santa Clara-Carpinteria-Casitas 66 kV Subtransmission Line and the existing Santa Clara-Casitas 66 kV Subtransmission Line would be attached to the new TSP and routed to the 66 kV switchrack. In addition, the idle Santa Clara-San Marcos 66 kV Subtransmission Line would be terminated on this structure. The TSP would function as a riser pole; subtransmission cable would be routed within the TSP, thus transitioning from an overhead to underground routing on the substation property. Two duct banks consisting of four 5-inch conduits each (a total of eight conduits) would be installed on SCE property both within and outside the substation fence from the base of the new TSP to the existing circuit breakers. A total of approximately 130 feet of duct in two duct banks would be installed. Each subtransmission cable would be placed in a conduit and then connected to the appropriate 66 kV position.

Figure 1. Project Components



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

Please note that 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 §VII-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 Project is constructed.

For the purpose of evaluating "no-cost and low-cost" magnetic field reduction design options, the evaluation of EMF associated with the Project and Project Alternatives is divided into three parts:

- Part 1: Proposed Reconstructed 66 kV Subtransmission Lines
- Part 2: Proposed Substation Work
- Part 3: Project Alternatives

- **Part 1: Proposed Reconstructed 66 kV Subtransmission Lines**

Segment 3A

Most of the Segment 3A work has been completed. The design incorporated the following magnetic field reduction measure:

- Utilizing subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria

Segment 3B

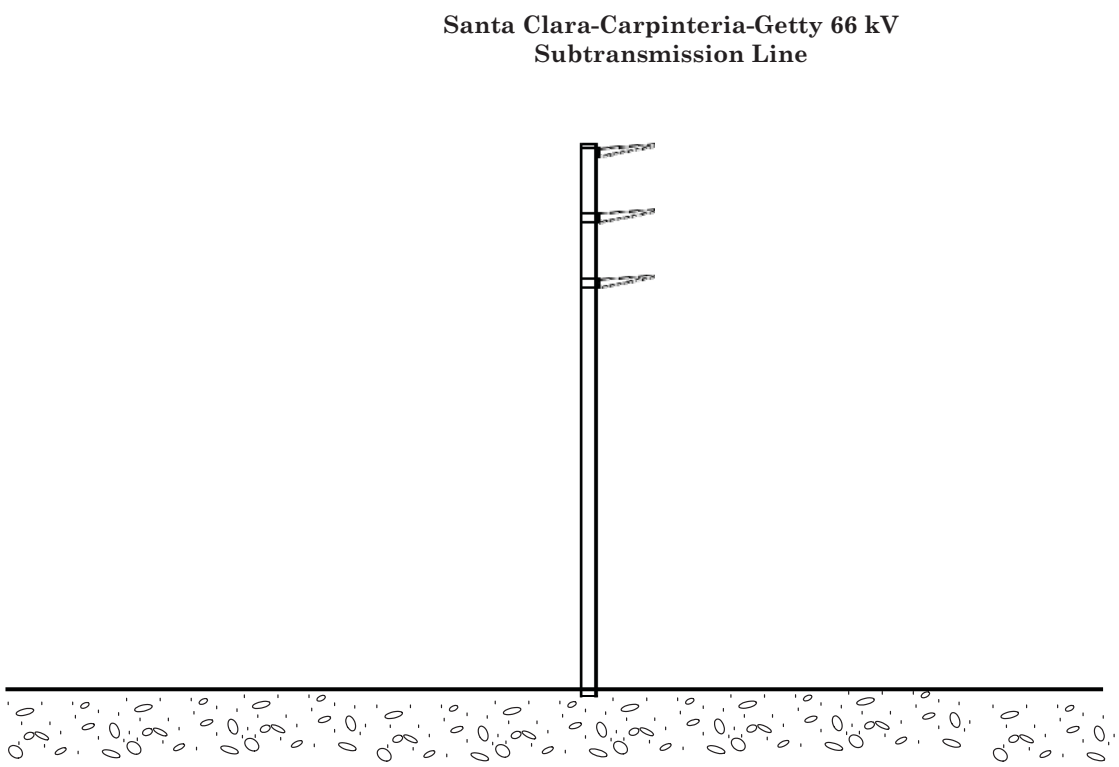
The proposed design used for Segment 3B is shown in Figure 2. The proposed 66 kV subtransmission line would be constructed as a single-circuit. Based on preliminary designs, majority of structures in Segment 3B would be TSPs, which would be approximately 65-130 feet in height above ground. The TSPs would be primarily located in a 25-foot minimum width existing utility franchise or easement. For magnetic field analysis, calculated field levels at the edges of easement located at 12.5 feet from the center line (C/L) of the structure were evaluated. Currently, there are no schools along the Segment 3B of the proposed 66 kV subtransmission line route. The proposed route for Segment 3B runs through undeveloped area, agricultural land,

and scattered residential areas. The magnetic field model will represent the proposed design in the scattered residential areas.

No-Cost Field Reduction Measures: The proposed design for Segment 3B includes the following no-cost field reduction measure:

1. Utilizing structure heights that meet or exceed SCE's EMF preferred design criteria.

Figure 2. Proposed Reconstructed 66 kV Single Circuit Subtransmission Line Segment 3B (Looking Northwest)



Low-Cost Field Reduction Options: Because the proposed design incorporates the above no-cost field reduction measure including structure heights that meet or exceed SCE's EMF preferred design criteria, no further low-cost reduction measures such as utilizing taller structures were considered for this segment of the Project.

Magnetic Field Calculations: Figure 3 and Table 2 show the calculated magnetic field levels for proposed design. These calculations were made using the typical proposed structure height of 75 feet near residential homes.

Figure 3. Calculated Magnetic Field Levels[31] for the Proposed 66 kV Subtransmission Line Segment 3B (Looking Northwest)

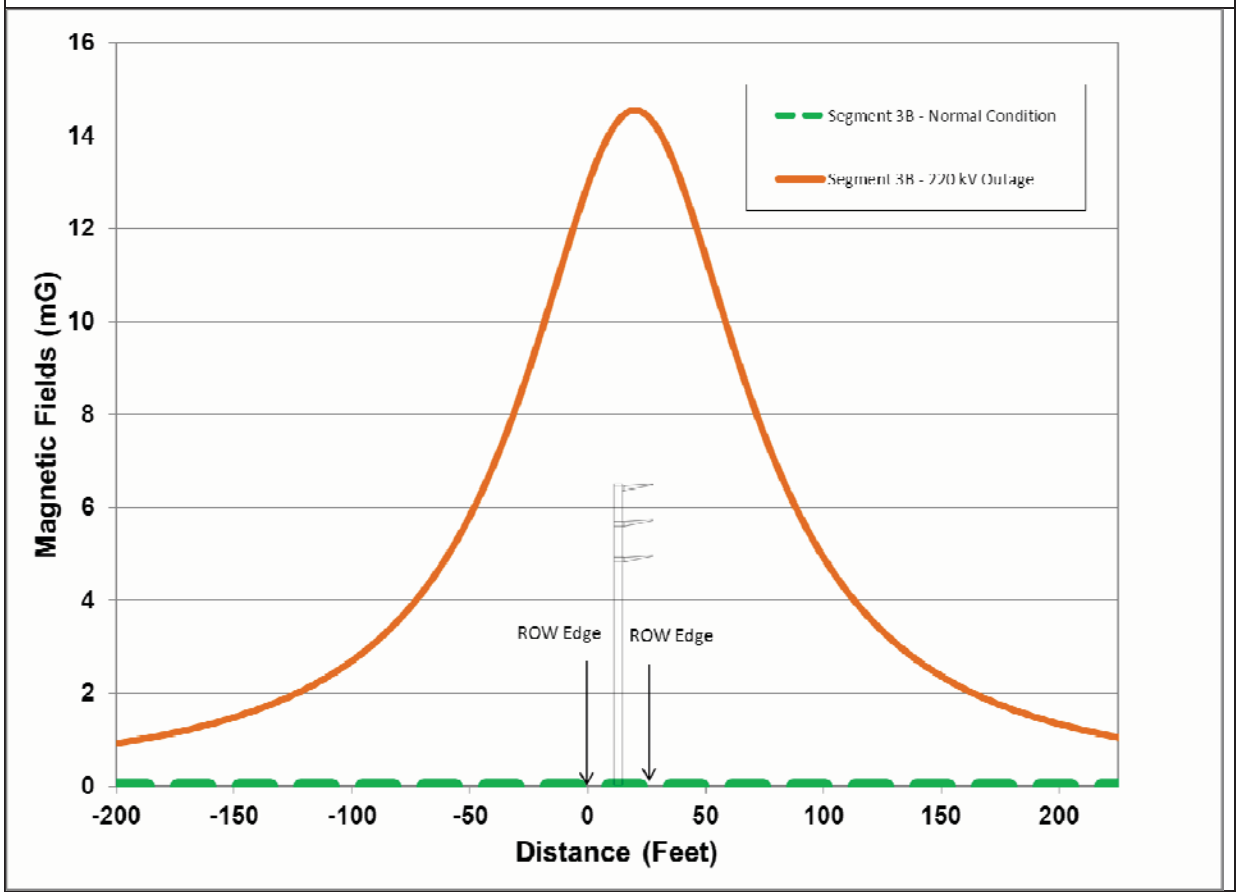


Table 2. A Comparison of Calculated Magnetic Field Levels[32] for Segment 3B				
Design Options	12.5 Feet Left of C/L (mG)	% Reduction	12.5 Feet Right of C/L (mG)	% Reduction
Normal Condition	0	N/A	0	N/A
220 kV Outage	12.9	Increase	14.4	Increase

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

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

Recommendations for Segment 3B: *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, no further low-cost field reduction measures are recommended.*

Segment 4 - Section One

The proposed design used for Segment 4 Section One is shown in Figure 4. The proposed 66 kV subtransmission line would be constructed on double-circuit structures. Based on preliminary designs, majority of structures in Segment 4 Section One would be TSPs, which would be approximately 60-144 feet in height. The TSPs would be located in a 50-foot minimum width existing utility franchise or easement. For magnetic field analysis, calculated field levels at the edges of easement located at 25 feet from the C/L of the structure would be evaluated. Currently, there are no schools along the Segment 4 Section One of the proposed 66 kV subtransmission line route. The proposed route for Segment 4 Section One runs through undeveloped area, agricultural land, and scattered residential areas. The magnetic field model will represent the proposed design in the scattered residential areas.

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

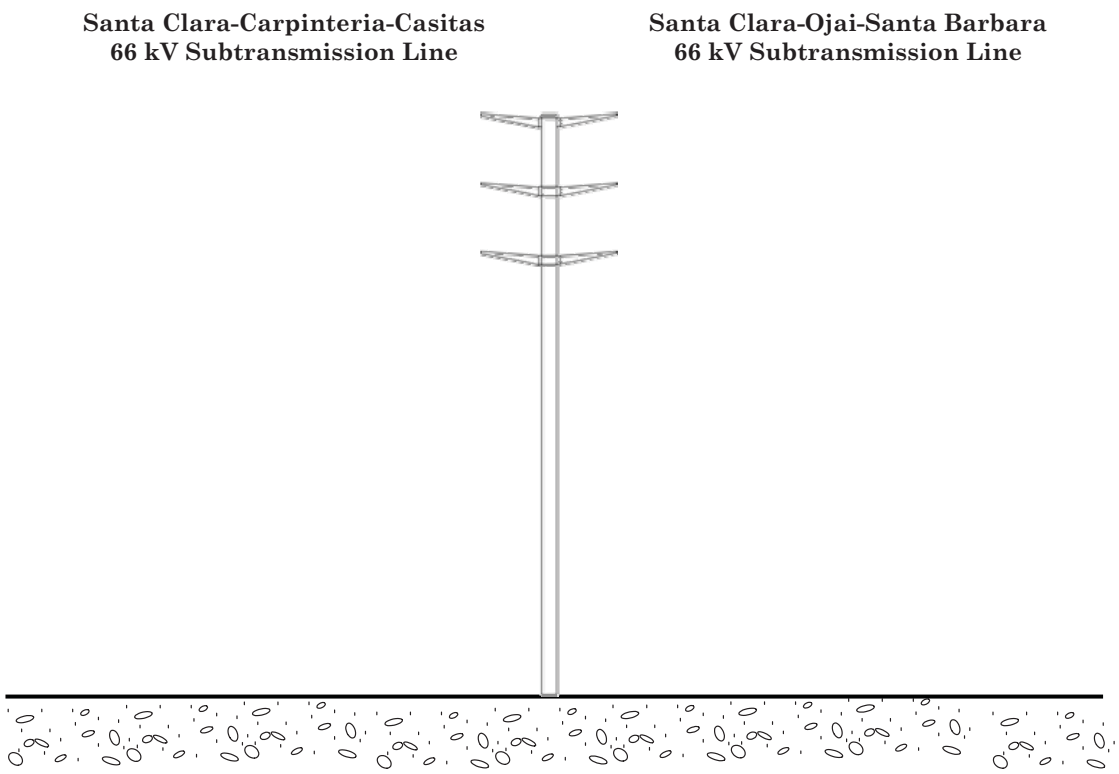
1. Utilizing structure heights that meet or exceed SCE's EMF preferred design criteria.

2. Utilizing double-circuit construction that reduces spacing between circuits as compared with single-circuit constructions

Low-Cost Field Reduction Measures: The following low-cost magnetic field reduction measure was considered for this section:

1. Arranging conductors of the proposed subtransmission lines for magnetic field reduction.

Figure 4. Proposed Reconstructed 66 kV Single Circuit Subtransmission Line Segment 4 Section One (Looking Northwest)



Magnetic Field Calculations: Figure 5 and Table 3 show the calculated magnetic field levels for proposed design. These calculations were made using the typical proposed structure height of 75 feet near residential homes.

Low-Cost Field Reduction Options: Because the proposed design incorporates the above no-cost field reduction measures including structure heights that meet or exceed SCE's EMF preferred design criteria, and the low-cost measure of arranging conductors of the proposed subtransmission lines for magnetic field reduction would achieve greater than 15% reduction at ROW edges, no further low-cost reduction measures such as utilizing taller structures were considered for this segment of the Project.

Figure 5. Calculated Magnetic Field Levels[33] for the Proposed 66 kV Subtransmission Line Segment 4 Section One (Looking Northwest)

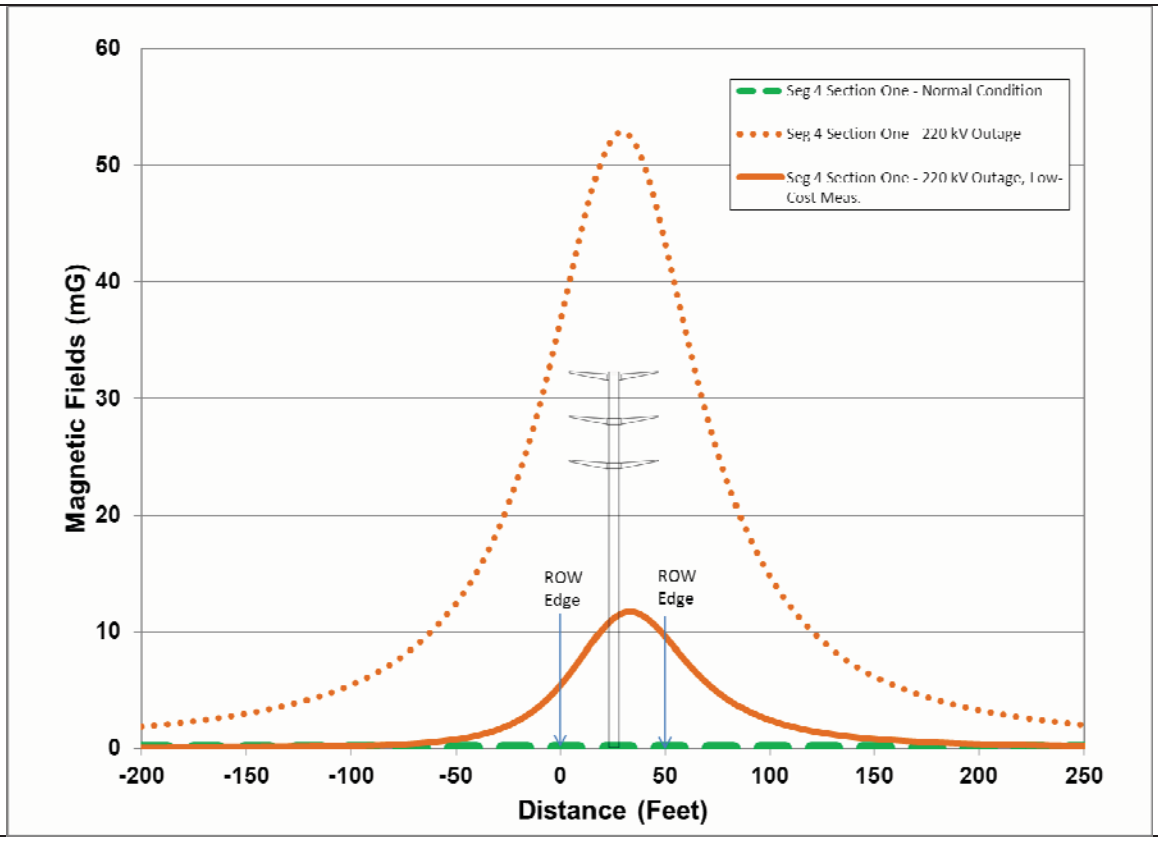


Table 3. A Comparison of Calculated Magnetic Field Levels[34] for Segment 4 Section One				
Design Options	25 Feet Left of C/L (mG)	% Reduction	25 Feet Right of C/L (mG)	% Reduction
Normal Condition	0	N/A	0	N/A
220 kV Outage	36.6	Increase	43.3	Increase
220 kV Outage, Low-Cost EMF Reduction Measure	5.4	85.2	9.6	77.8

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

[34] This table shows calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

Recommendations for Segment 4 Section One: *The proposed design includes no-cost field reduction measures. Because the presence of some residential areas in the nearby vicinity, the low-cost field reduction measure of arranging phase conductors for field reduction is recommended for this section.*

Segment 4 - Section Two

The proposed design used for Segment 4 Section Two is shown in Figure 6. The proposed 66 kV subtransmission line would be constructed on double-circuit structures. Based on preliminary designs, majority of structures in Segment 4 Section Four would be TSPs, which would be approximately 75-129 feet in height. The TSPs would be located in an approximately 50-foot minimum width existing utility franchise or easement. For magnetic field analysis, calculated field levels at edges of easement located at 25 feet from the C/L of the structure were evaluated. The route of Segment 4 Section Two runs along the Carpinteria High School.

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

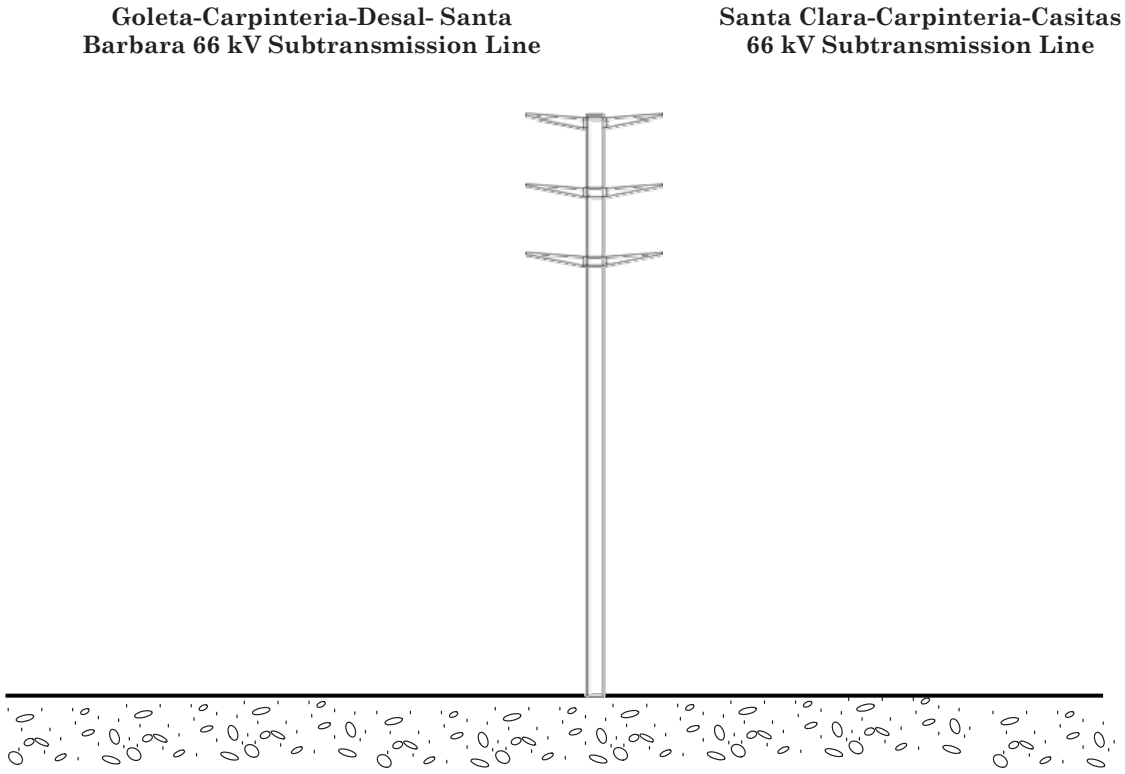
1. Utilizing structure heights that meet or exceed SCE's EMF preferred design criteria.

2. Utilizing double-circuit construction that reduces spacing between circuits as compared with single-circuit constructions.

Low-Cost Field Reduction Measures: The following low-cost magnetic field reduction measure was considered for this section:

1. Arranging conductors of the proposed subtransmission lines for magnetic field reduction.

Figure 6. Proposed Reconstructed 66 kV Single Circuit Subtransmission Line Segment 4 Section Four (Looking Northwest)



Magnetic Field Calculations: Figure 7 and Table 4 show the calculated magnetic field levels for proposed design. These calculations were made using the typical proposed structure height of 75 feet near Carpinteria High School.

Low-Cost Field Reduction Options: Because the proposed design incorporates the above no-cost field reduction measures including structure heights that meet or exceed SCE's EMF preferred design criteria and utilizing double-circuit construction that reduces spacing between circuits as compared with single-circuit constructions, as well as the low-cost measure of arranging conductors of the proposed subtransmission lines for magnetic field reduction, no further low-cost reduction measures such as utilizing taller structures were considered for this segment of the Project.

Figure 7. Calculated Magnetic Field Levels[35] for the Proposed 66 kV Subtransmission Line Segment 4 Section Two (Looking North)

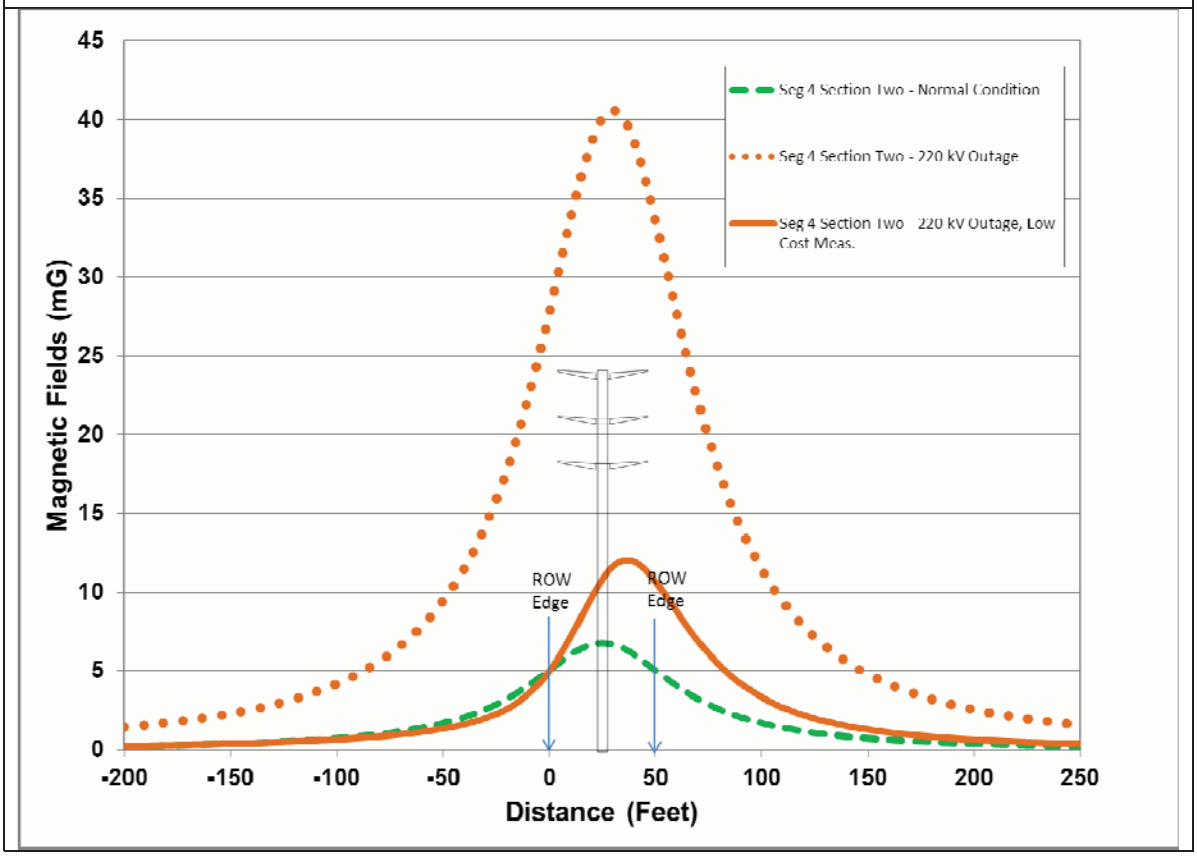


Table 4. A Comparison of Calculated Magnetic Field Levels[36] for Segment 4 Section Two				
Design Options	25 Feet Left of C/L (mG)	% Reduction	25 Feet Right of C/L (mG)	% Reduction
Normal Condition	5.0	N/A	5.0	N/A
220 kV Outage	27.8	Increase	33.6	Increase
220 kV Outage, Low-Cost EMF Reduction Measure	5.0	82.0	10.7	68.2

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

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

Recommendations for Segment 4 Section Two: *The proposed design includes no-cost field reduction measures. Because there is a school right next to the SCE easement, the low-cost field reduction measure of arranging phase conductors for field reduction is recommended for this section.*

Part 2: Proposed Substation Work

Generally, magnetic field values along the substation perimeter are low compared to the substation interior because of the distance from the perimeter to the energized equipment. Normally, the highest magnetic field values around the perimeter of a substation result from overhead power lines and underground duct banks entering and leaving the substation, and are not caused by substation equipment. Therefore, the magnetic field reduction design options generally applicable to a substation project are as follows:

- Site selection for a new substation;
- Setback of substation structures and major substation equipment (such as bus, transformers, and underground cable duct banks, etc.) from perimeter;
- Field reduction for transmission lines and subtransmission lines entering and exiting the substation.

The Substation Checklist, as shown in Table 5, is used for evaluating the no-cost and low-cost design options considered for the substation project, the design options adopted, and reasons that certain design options were not adopted if applicable.

Table 5. Substation Checklist for Examining No-cost and Low-cost Magnetic Field Reduction Design Options for Carpinteria and Casitas Substations

No.	No-Cost and Low-Cost Magnetic Field Reduction Design Options Evaluated for a Substation Project	Design Options Adopted? (Yes/No)	Reason(s) if not Adopted
1	Are 66 kV rated transformer(s) 15 feet from the substation property line?	Yes	
2	Are 66 kV rated switch-racks, capacitor banks & bus 8 feet (or more) from the substation property line?	Yes	
3	Are 66 kV rated transfer & operating buses configured with the transfer bus facing the nearest property line?	Yes	
4	Are underground cable duct banks greater than 12 feet from side of property line?	Yes	

Part 3: Project Alternatives

This FMP includes only "no-cost and low-cost" magnetic field reduction design options for SCE's Proposed Routes and Proposed Substation site. SCE's Proponent's Environmental Assessment (PEA) contains various alternative line routes and substation site(s). Comparable "no-cost and low-cost" magnetic field reduction options for the Proposed can be applied to all alternative subtransmission routes and substation sites.

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 and low-cost" magnetic field reduction design options for Project:

For Proposed 66 kV Subtransmission Line Route Segment 3B:

- Utilizing structure heights that meet or exceed SCE's EMF preferred design criteria

For Proposed 66 kV Subtransmission Line Route Segment 4 Section One:

- Utilizing structure heights that meet or exceed SCE's EMF preferred design criteria
- Utilizing double-circuit construction that reduces spacing between circuits as compared with single-circuit constructions
- Arranging conductors of the proposed two subtransmission lines in **opposite** phasing for magnetic field reduction (**A-B-C** and **C-B-A** or equivalent combination, top to bottom looking Northwest)

For Proposed 66 kV Subtransmission Line Route Segment 4 Section Two:

- Utilizing structure heights that meet or exceed SCE's EMF preferred design criteria
- Utilizing double-circuit construction that reduces spacing between circuits as compared with single-circuit constructions
- Arranging conductors of the proposed two subtransmission lines in **matching** phasing for magnetic field reduction (**A-B-C** and **A-B-C** or equivalent combination, top to bottom looking North)

For Existing Carpinteria 66/16 kV Substation:

- Placing new substation electrical equipment (such as breakers, switchracks, and buses and underground duct banks) away from the substation property lines closest to populated areas.

For Existing Casitas 66/16 kV Substation:

- Placing new substation electrical equipment (such as breakers, switchracks, and buses and underground duct banks) away from the substation property lines closest to populated areas.

The recommended "no-cost and low-cost" magnetic field reduction design options listed above are based upon preliminary engineering designs, and therefore, they are subject to change during the final engineering designs. If the final engineering designs are different than preliminary engineering designs, SCE would implement comparable "no-cost and low-cost" magnetic field reduction design options. If the final engineering designs are significantly different (in the context of evaluating and implementing CPUC's "no-cost and low-cost" EMF Policy) than the preliminary designs, a Final FMP will be prepared.

SCE's plan for applying the above "no-cost and low-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, and also with recommendations made by the U.S. NIEHS. 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-DIMENTIONAL MODEL ASSUMPTIONS AND YEAR 2016 FORECASTED LOADING CONDITIONS

Magnetic Field Assumptions:

SCE uses a computer program titled "MFields"[37] 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 subtransmission 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 project is constructed.

Typical two-dimensional magnetic field modeling assumptions include:

- All subtransmission lines were modeled using forecasted peak loads (see Tables 5, 6 and 7 below)
- All conductors were assumed to be straight and infinitely long
- 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.

Table 6. Year 2016 Forecasted Loading Conditions for Proposed Reconstructed 66 kV Subtransmission Line Segment 3B

Circuit Name	Current (Amps)
Santa Clara-Carpinteria-Getty 66 kV Subtransmission Line - Normal Condition	0
Santa Clara-Carpinteria-Getty 66 kV Subtransmission Line - 220 kV Outage	605

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

Table 7. Year 2016 Forecasted Loading Conditions for 66 kV Subtransmission Line Segment 4 Section One	
Circuit Name	**Current (Amps)**
Santa Clara-Ojai-Santa Barbara 66 kV Subtransmission Line - Normal Condition	0
Santa Clara-Ojai-Santa Barbara 66 kV Subtransmission Line - 220 kV Outage	685
Santa Clara-Carpinteria-Casitas 66 kV Subtransmission Line - Normal Condition	0
Santa Clara-Carpinteria-Casitas 66 kV Subtransmission Line - 220 kV Outage	597

Table 8. Year 2016 Forecasted Loading Conditions for 66 kV Subtransmission Line Segment 4 Section Two	
Circuit Name	**Current (Amps)**
Goleta-Carpinteria-Desal-Santa Barbara 66 kV Subtransmission Line - Normal Condition	160
Goleta-Carpinteria-Desal-Santa Barbara 66 kV Subtransmission Line - 220 kV Outage	-390[38]
Santa Clara-Carpinteria-Casitas 66 kV Subtransmission Line - Normal Condition	0
Santa Clara-Carpinteria-Casitas 66 kV Subtransmission Line - 220 kV Outage	597

Notes: Forecasted loading data is based upon scenarios representing load forecasts for the second quarter of 2016. The forecasting data is subject to change depending upon availability of generations, load increase, changes in load demand, and by many other factors.

[38] Negative current signifies reverse power flow direction from the normal condition during the 220 kV outage condition.