

Appendix A

CEQA Scoping Summary Report

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**CEQA SCOPING SUMMARY REPORT
SAN DIEGO GAS & ELECTRIC COMPANY'S
SOUTH ORANGE COUNTY RELIABILITY ENHANCEMENT PROJECT**

**APPLICATION No.: A.12-05-020
SCH No.: 2013011011**

December 2014

California Public Utilities Commission
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List of Abbreviations and Acronyms

ALJ	Administrative Law Judge (CPUC)
APE	Area of Potential Effect
BOD	Buildings of Distinction (City of San Juan Capistrano)
Camp Pendleton	U.S. Marine Corps Base Camp Pendleton
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
DOGGR	California Department of Conservation, Division of Oil, Gas and Geothermal Resources
E & E	Ecology and Environment, Inc.
EIR	Environmental Impact Report
EMF	Electromagnetic Fields
I-5	Interstate 5
kV	kilovolt
LST	localized significance threshold
NAHC	Native American Heritage Commission
NOP	Notice of Preparation
proposed project	South Orange County Reliability Enhancement Project
ROW	right-of-way
SCAQMD	Southern California Air Quality Management District
SCH	State Clearinghouse
SDG&E	San Diego Gas and Electric
SOCRE project	South Orange County Reliability Enhancement Project
SF ₆	sulfur hexafluoride
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service

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Overview of CEQA Scoping Process

1.1 Introduction

On May 18, 2012, San Diego Gas & Electric (SDG&E, or the applicant) filed an application (A.12-05-020) with the California Public Utilities Commission (CPUC) for the South Orange County Reliability Enhancement Project (SOCRE project, or proposed project) to rebuild and upgrade a portion of its transmission infrastructure in South Orange County.

In accordance with the California Environmental Quality Act (CEQA), the CPUC, as the CEQA Lead Agency, is preparing an Environmental Impact Report (EIR) to assess the proposed project's impacts on the environment. The EIR would describe the nature and extent of the environmental impacts of the SOCRE project and project alternatives, and would discuss mitigation measures for significant adverse impacts.

To help determine the scope of the impacts that will be assessed under CEQA, the CPUC solicits input from the public and interested agencies on project issues, environmental impacts, and mitigation measures. On January 9, 2013 the CPUC formally began this public participation process (also known as "scoping"), by issuing a Notice of Preparation for a draft EIR.

1.2 Purpose of Scoping Process

The CPUC's environmental review process invites broad public participation through public scoping meetings and comment periods to receive input on the proposed project. The purpose of the scoping process is to get input from agencies and communities in the areas local to the project to help the CPUC identify issues and the level of detail that should be included in the EIR, and to help the CPUC identify a reasonable range of feasible alternatives to be evaluated in the EIR. Per CEQA Guidelines Section 15083, the CPUC may consult directly with any person or organization it believes will be concerned with the environmental effects of the SOCRE project.

The scoping process does not seek to resolve differences of opinion on the proposed project, nor does it anticipate an ultimate decision. Rather, the process augments the development of a comprehensive EIR, which provides decision-makers with the information and analysis they need to thoroughly review SDG&E's application.

1.3 Summary of Scoping Activities

This report summarizes the scoping activities that the CPUC has conducted for the proposed project. It also includes a summary of all written and oral comments on the scope and content of the EIR received from agencies and members of the public during the scoping period in response to the Notice of Preparation (NOP) of an EIR. The materials gathered from project stakeholders during the scoping process will be reviewed and used during preparation of the Draft EIR.

Notice of Preparation

The CPUC circulated the NOP for the proposed project on January 9, 2013, opening a 30-day comment period on the scope and content of the EIR and announcing two public scoping meetings.

The NOP was sent to the State Clearinghouse (SCH No. 2013011011) and responsible and trustee agencies, including over 100 federal, state, regional and local agencies and planning groups. Additionally, the NOP was distributed to over 800 individuals, including property owners within 300 feet of existing and proposed project right-of-way and substations. The NOP is contained in Appendix A.

Table 1 Summary of Recipients of the NOP for the SOCRE Project EIR

Type	Number of Recipients
Federal, State, Regional and Local Agencies/Jurisdictions	120
Property Owners Within 300 Feet of Project Right-of-Way	829
Total Number of NOPs Mailed	949

On February 8, 2013, the CPUC extended the scoping period by 14 days, allowing the public and agencies an opportunity to provide comments through February 22, 2013. The CPUC mailed a Notice of Extension to the NOP distribution list. A copy of the Notice of Extension is included in Appendix C.

Newspaper Notices

The CPUC placed notices announcing the public scoping meetings in the following newspapers on January 9, 2013: the *Orange County Register* (English), the *North County Times* (English), and *La Opinión* (Spanish). On February 21, 2013 the CPUC placed a notice announcing the extension of the public scoping period in the *Capistrano Dispatch* and *San Clemente Times* (English). Proof of publication of each advertisement is contained in Appendix B.

Scoping Goals

- Outreach
- Input
- Share information about project
- Share information about CEQA and CPUC Process

Hotline, Email, and Public Website

The CPUC maintains a telephone hotline and an email address for the proposed project through which the public can comment on the proposed project. The CPUC also maintains a website with information and documents

related to the proposed project. Information regarding the hotline, email, and website was included in the NOP and newspaper notices, and made available at the public scoping meetings as part of project fact sheets. The project-specific e-mail, fax, voicemail, and website are as follows:

- **E-mail:** SOCRE.CEQA@ene.com
- **Fax:** 415-398-5326
- **Voicemail:** 855-520-6799 (toll free)
- **Website:** <http://tinyurl.com/clsee4g>

Public Scoping Meetings

During the scoping period, the CPUC held two public scoping meetings, on January 23, 2013, at the San Juan Capistrano Community Hall in San Juan Capistrano, California; and on January 24, 2013, at Bella Collina Towne and Golf Club in San Clemente, California. The following materials were provided at the meeting and are also included in Appendix D:

- Registration Sheet;
- Example Speaker Card;
- Example Written Comment Sheet;
- Project Fact Sheets; and
- PowerPoint Presentation.

Both meetings started with an open house, allowing participants time to sign in, view project maps, and read the fact sheets prior to viewing a PowerPoint presentation. At both meetings, Ecology & Environment (E & E), the CPUC's environmental consultant, presented an overview of the purpose of the meeting and described all methods for the public and agencies to provide comment on the EIR. The CPUC followed with an overview of the CPUC and the environmental review process. Following the CPUC's presentation, E & E provided an overview of the proposed project. Following the presentations, all meeting attendees were given an opportunity to ask questions about the proposed project and provide oral comments.

Public and Agency Comments

Oral and written comments received during the comment period are summarized in Section 3 of this report. The scoping meeting registration sheets are included in Appendix D, and copies of comment letters received during the scoping meetings are included in Appendix E. Written comments that were received during the scoping period are provided in Appendix E.

Comments received will be used, as appropriate, in identifying the range of actions, alternatives, mitigation measures, and significant effects to be analyzed in depth in the CEQA document.

1.4 Alternatives Scoping and Screening

Pursuant to CEQA Guidelines Section 15127.6, the EIR will include a focused analysis of alternatives to the proposed project or alternative locations of the project. Per CEQA, "An EIR need not consider every conceivable alternative to the proposed project. Rather it must consider a reasonable range of potentially feasible alternatives that will foster informed

decision making and public participation.” Each alternative must “feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project.”

For each of the alternatives identified in an EIR, CEQA requires the inclusion of sufficient information in the EIR about each alternative to allow for meaningful evaluation, analysis and comparison. If an alternative would cause one or more significant effects in addition to those that would be caused by the project as proposed, the significant effects of the alternatives shall be discussed, but in less detail than the significant effects of the project as proposed. A “no project alternative” will also be evaluated, along with its impacts. The no project alternative assessment would project what would reasonably be expected to occur in the foreseeable future if the project were not approved. If the no project alternative is determined to be the environmentally superior alternative, CEQA requires that the EIR identify a second environmentally superior alternative among the other alternatives.

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Overview of the Proposed Project

2.1 Background

The existing 230-kV transmission network at SDG&E's Talega Substation (located on Marine Corps Base Camp Pendleton) provides power for the South Orange County service area. Power supplied by the Talega Substation is transmitted to seven distribution substations—Capistrano, Laguna Niguel, Margarita, Pico, San Mateo, Rancho Mission Viejo, and Trabuco—over a 138-kV transmission network.

The purpose of the proposed SOCRE project is to increase the reliability and operational flexibility of SDG&E's South Orange County 138-kilovolt (kV) system by providing a second 230-kV power source to reduce the risk of electrical outages. The project would also upgrade aging electrical infrastructure in the South Orange County area, including components of SDG&E's Talega substation and the Capistrano Substation in the City of San Juan Capistrano. The Capistrano Substation would be rebuilt, and the new substation, renamed the San Juan Capistrano substation, would accommodate two new 230-kV lines and two additional 138-kV lines that would be rerouted to the upgraded substation. An existing 138-kV line would be routed to Talega Substation.

2.2 Project Description

The components of the proposed project include:

1. Rebuilding and upgrading the existing 138/12-kV air-insulated Capistrano Substation (2 acres) as a 230/138/12-kV gas-insulated substation (6.4 acres) that would be renamed the San Juan Capistrano Substation;
2. Replacing a segment of a single-circuit 138-kV transmission line between the Talega and Capistrano substations with a new double-circuit 230-kV transmission line (7.5 miles), and relocating several transmission and distribution line segments (2 miles, combined) located near the two substations to accommodate the proposed 230-kV line; and
3. Relocating a 12-kV distribution line into new and existing underground conduit and overhead on new structures from the proposed San Juan Capistrano Substation to Prima Deschecha Landfill (6 miles).

Approximately 140 transmission and distribution line structures would be removed and approximately 120 would be installed. Approximately 0.30 miles of new right-of-way (ROW) would be acquired by SDG&E for the proposed transmission lines.

2.3 Project Location

The components of the SOCRE project would be primarily located in existing SDG&E ROW within the cities of San Juan Capistrano and San Clemente as well as unincorporated Orange and San Diego counties. The existing 138-kV transmission line, which would be replaced by the proposed double-circuit 230-kV transmission line, crosses Interstate 5 east of the Capistrano Substation, and then continues southeast to the Rancho San Juan residential development and Prima Deschecha Landfill. From there, the transmission line continues southeast through the City of San Clemente and unincorporated Orange and San Diego counties to the Talega Substation, located within U.S. Marine Corps Base Camp Pendleton and San Diego County.

In addition, a 12-kV distribution line would be installed in existing and new underground conduit and overhead on new and replaced structures, from Capistrano Substation in the City of San Juan Capistrano to the Rancho San Juan residential development and Prima Deschecha Landfill. Figure 1 shows the location of the project components.

2.4 Project Construction

Construction of the SOCRE project is anticipated to begin in May 2015 and end in August 2020.

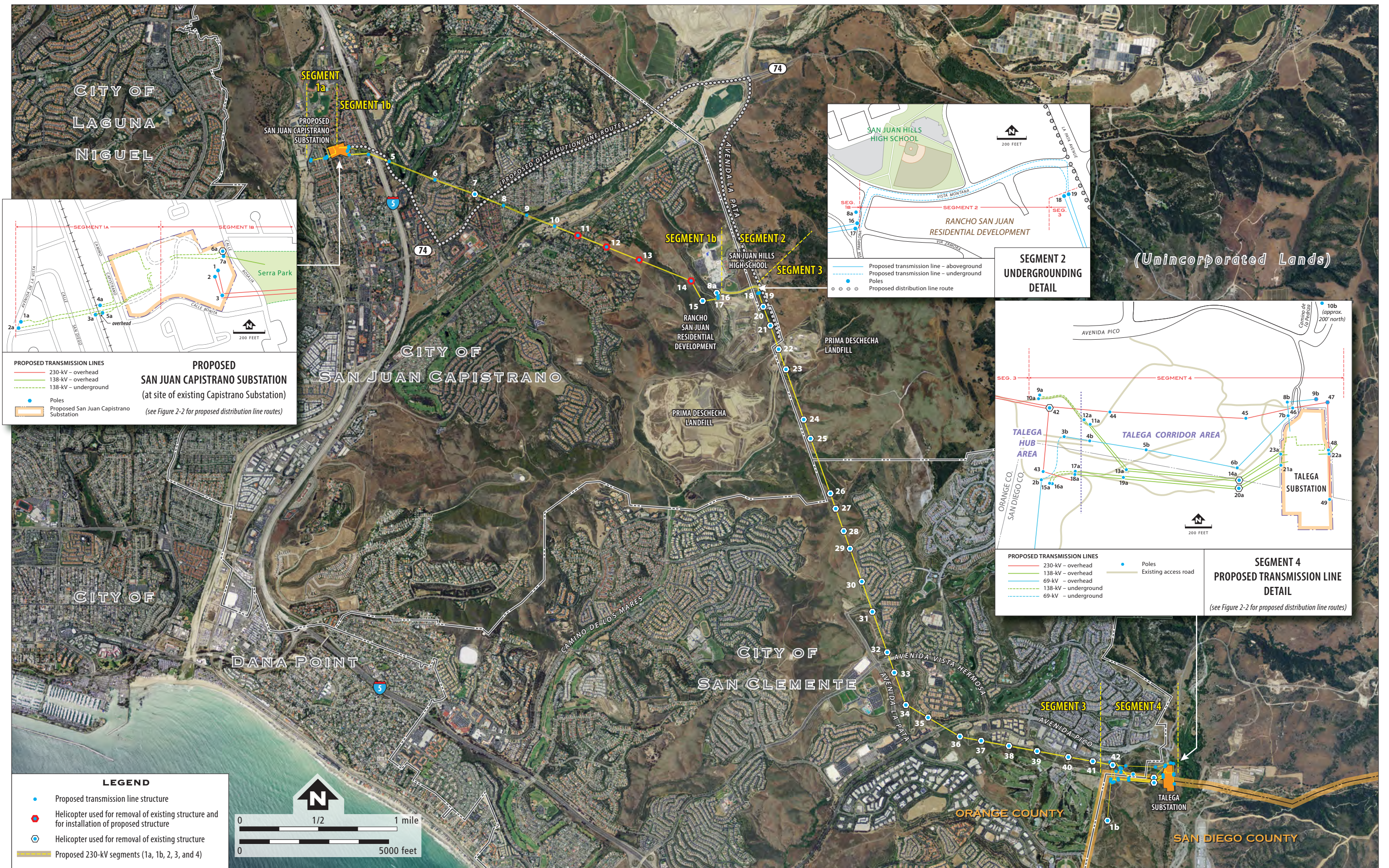
2.5 Operations and Maintenance

Operation and maintenance activities by SDG&E in the area of the project would not increase in intensity, frequency, or duration with implementation of the SOCRE project and would be very similar to existing operation and maintenance activities. Standard transmission line operation and maintenance activities include repairs, pole brushing in accordance with fire break clearance requirements, herbicide applications, and tree trimming to maintain a clear working space area around all poles. Typical activities would also include routine aerial and ground inspections, patrols, and preventive maintenance to ensure service reliability, as well as emergency work to maintain and restore service continuity.

The Talega and San Juan Capistrano substations would be unmanned substations. Workers would routinely visit each substation several times a week for standard operations and several times a year for equipment maintenance.

2.6 Project Alternatives

Pursuant to CEQA, a reasonable range of alternatives to the proposed project will be identified and analyzed in the EIR. During the 45-day comment period following publication of the Draft EIR, agencies and the public will be given the opportunity to comment on the alternatives considered.



EE-003279-0001-01-01TT0.a.ai (2012 Archives) 07/21/2014

Figure 1 **Components of the Proposed Project**
South Orange County Reliability Enhancement Project

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Summary of Scoping Comments

This section summarizes both written and oral comments received from members of the public and public agencies during the 44-day scoping period. Forty-two people attended the public scoping meeting held on January 23, 2013, in San Juan Capistrano, and thirteen people attended the public scoping meeting on January 24, 2013, in San Clemente.

The CPUC received 14 written comment letters from government agencies, 18 comment letters from groups and organizations (including the applicant), and 28 comment letters from members of the public. The CPUC also received four oral comments from government agencies, and 25 oral comments from individuals and members of local and regional organizations, during the public scoping meetings.

Concerns and requests raised during the public scoping period are summarized below.

Table 2 Summary of Written Comment Letters Received During EIR Scoping Period

Name	Affiliation	Date Received
Federal Agencies / Military		
Jennifer Lillard	U.S. Army Corps of Engineers (USACE)	2/4/2013
Kenneth Quigley	Marine Corps Base Camp Pendleton	2/7/2013
Karen Goebel	U.S. Fish and Wildlife Service	2/22/2013
State Agencies		
Dave Singleton	Native American Heritage Commission	1/18/2013
Syndi Pompa	Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR)	2/5/2013
Stephanie Ponce	California Department of Fish and Wildlife	2/6/2013
Christopher Herre	Caltrans	2/7/2013
David Mayer	California Department of Fish and Wildlife	2/22/2013

3 Summary of Scoping Comments

Table 2 Summary of Written Comment Letters Received During EIR Scoping Period

Name	Affiliation	Date Received
Local and Regional Agencies		
Ian McMillan	South Coast Air Quality Management District	1/14/2013
Hans VanLigten	Rutan & Tucker, LLP (on behalf of City of San Juan Capistrano)	1/23/2013
Harry Persaud	County of Orange	1/23/2013
Robert Cardoza	City of San Juan Capistrano	2/6/2013
Hans VanLigten	Rutan & Tucker, LLP (on behalf of City of San Juan Capistrano)	2/11/2013
Polin Mandanlou	Orange County Department of Public Works	2/15/2013
Groups and Organizations		
Beth Apodaca	Citizens for Safe and Reliable Power	1/30/2013
Jim Leach	South Orange County Regional Economic Coalition	1/30/2013
Donna Varner	South Orange County Economic Coalition	1/31/2013
Nancy Hunt	Citizens for Safe and Reliable Power	2/4/2013
Christine Caro	Lozeau Drury, LLP (International Union of North America)	2/4/2013
Kathleen Peterson	Las Brisas Home Owners Association	2/5/2013
Mark Zane	Bella Collina Towne & Golf Club	2/5/2013
Jim Leach	South Orange County Economic Coalition	2/6/2013
Donna Varner	South Orange County Economic Coalition	2/6/2013
Mark Bodenhamer	San Juan Capistrano Chamber of Commerce	2/8/2013
Mathews, Thomas	CAA Planning (on behalf of Colleen Edwards)	2/8/2013
Jim Beiber	Citizens for Safe and Reliable Power	2/8/2013
Larry Thomas	Independence Bank	2/13/2013
Stephanie Frisch and Joe Anderson	Citizens for Safe & Reliable Power	2/15/2013
Kathleen Peterson	Las Brisas Home Owners Association	2/21/2013

3 Summary of Scoping Comments

Table 2 Summary of Written Comment Letters Received During EIR Scoping Period

Name	Affiliation	Date Received
Sam Couch	Rancho Mission Viejo	2/22/2013
Laura Coley Eisenberg	Reserve at Rancho Mission Viejo	2/22/2013
Mary Turley	San Diego Gas & Electric	2/22/2013
Individuals		
Dana Ware	N/A	1/16/2013
Bruce Congalton	N/A	1/17/2013
Mark Speros	N/A	1/21/2013
Rus Miller	N/A	1/23/2013
Richard Gardner	N/A	1/23/2013
Rhen Kohan	N/A	1/23/2013
John Taylor	N/A	1/24/2013
PJ Douglas	N/A	1/25/2013
Ilse Byrnes	N/A	1/28/2013
Alvin Ehrig	N/A	1/28/2013
Margaret Chard	N/A	1/31/2013
Kimberly Lefner	N/A	2/6/2013
Michelle Newcomer	N/A	2/6/2013
Larry Kramer	N/A	2/6/2013
Mark Speros	N/A	2/7/2013
Collene and Gary Campbell	N/A	2/7/2013
Paul Berkery	N/A	2/7/2013
Eric Altman	N/A	2/7/2013
John Gillotti	N/A	2/8/2013
Richard Stein	N/A	2/8/2013
Claire Mackay	N/A	2/9/2013
Ilse Byrnes	N/A	2/13/2013
Marilyn Louis	N/A	2/15/2013
Michael Doyle	N/A	2/18/2013
Dan and Jeanne Dague	N/A	2/20/2013
Dominic and Kelly Fergus-Bentall	N/A	2/21/2013
Carla DiCandia	N/A	2/21/2013
Rhen Kohan	N/A	2/22/2013

3 Summary of Scoping Comments

Table 3 Summary of Oral Comments Received During EIR Scoping Period

Name	Affiliation	Date Received
Local and Regional Agencies		
Grant Taylor	City of San Juan Capistrano	1/23/2013
Harry Persaud	County of Orange, Department of Public Works	1/23/2013
Bill Ramsay	City of San Juan Capistrano	1/24/2013
Hans Van Ligten	Rutan & Tucker, LLP (on behalf of Orange County Department of Public Works)	1/23/2013
Groups and Organizations		
Ilse Byrnes	Orange County Historical Commission	1/23/2013
Kathleen Peterson	Las Cruces Homeowner's Association	1/23/2013
Donna Varner	South Orange County Economic Coalition	1/23/2013
John Whitman	South Orange County Economic Coalition	1/23/2013
Mark Bodenhamer	Orange County Chamber of Commerce	1/23/2013
Mark Zane	Bella Collina Towne & Golf Club	1/24/2013
Jim Leach	South Orange County Economic coalition	1/24/2013
Beth Apodaca	Citizens for Safe and Reliable Power	1/24/2013
Jim Beaver	Citizens for Safe and Reliable Power	1/24/2013
Individuals		
Medrano	N/A	1/11/2013
Sam Laham	N/A	1/16/2013
Rhen Kohan	N/A	1/23/2013
Liz Stocks	N/A	1/23/2013
Michael Doyle	N/A	1/23/2013
Ian Christie	Solar Tec Solutions	1/23/2013
Larry Kramer	N/A	1/23/2013
Mark Speros	N/A	1/23/2013
Laura Freese	N/A	1/23/2013
John Gillotti	N/A	1/23/2013
Kim Lefner	N/A	1/23/2013
Chris Kramer	N/A	1/23/2013

Table 3 Summary of Oral Comments Received During EIR Scoping Period

Name	Affiliation	Date Received
Derek Newcomer	N/A	1/23/2013
John Taylor	N/A	1/24/2013
John T. Tengdon	N/A	1/24/2013
Ian Christie	Solar Tec Solutions	1/24/2013

Following the end of the scoping period, the CPUC received seven additional written comments, as summarized in Table 4.

Table 4 Summary of Written Comment Letters Received After the EIR Scoping Period

Name	Affiliation	Date Received
Groups and Organizations		
Kathleen Peterson	Las Brisas Home Owners Association	10/21/14
Individuals		
Tara Bollback	Las Brisas Homeowners	7/1/2014
Stacy Osborne	Las Brisas Homeowners	4/25/2013
Jo and Dawn Fusco	Las Brisas Homeowners	10/27/2014
Lindon and Cassie Crow	Las Brisas Homeowners	10/29/2014
Greg and Tammy Suits	Las Brisas Homeowners	10/30/2014

3.1 CEQA Process/Public Notification

A letter from Camp Pendleton stated that activities of the proposed project occurring within the boundary of U.S. Marine Corps Base Camp Pendleton may require an environmental review under the National Environmental Policy Act (NEPA).

Several comments were received from members of the public and local agencies regarding public notification during the scoping period. Several commenters stated that the applicant conducted good outreach to the local community. Other commenters:

1. Requested earlier notification of the meetings;
2. Stated that they did not receive proper notification (in some cases it was unclear whether “notification” referred to the applicant’s public outreach process, or the CPUC notification process for the public scoping meetings);
3. Commented that the applicant has been unresponsive in discussing/addressing impacts and issues; and
4. Expressed concern that residents did not receive notice of the scoping period because it was not printed in the local San Juan Capistrano newspaper (the *Capistrano Dispatch*), and requested that future notices be posted in this paper as well as the Orange County Register.

Several local individuals and groups commented that the scope of the issues and the impacts outlined by the CPUC were justified, thorough, and adequate for the development of the EIR.

Comments from the applicant stated that they have undertaken the following:

1. Participation in several events since 2012 presenting information to the public about the proposed project (with examples of events);
2. The maintenance of an outreach office with full-time bilingual staffing to provide information to project stakeholders; and
3. Meetings with the City of San Juan Capistrano Aesthetics Team (site tour and charrette) to discuss three renderings for the proposed substation buildings.

The applicant also indicated in their comments that they continue to communicate with the City Aesthetics Team, and that the City Aesthetics Team may provide an alternative design of the substation.

3.2 Project Description, Objectives, and Alternatives

Project Description

Comments received from federal agencies regarding the project description included requests that the environmental document include:

1. Maps showing the boundary of U.S. Marine Corps Base Camp Pendleton (Camp Pendleton) and SDG&E's existing easement on Camp Pendleton, to enable analysis of the impacts that would take place in these areas;
2. A description of the components at Talega Substation that would be affected by the proposed project and which county (Orange or San Diego) the components would be located within;
3. An estimate of the linear feet of transmission and distribution lines that would be removed and replaced;
4. A description of which poles would be removed, and which poles would be installed along the transmission and distribution corridors;
5. A clearly defined Area of Potential Effect (APE), for all potential impacts to cultural resources that may result from the proposed project;
6. A complete description of the project's purpose and need;
7. A complete description of all staging areas, as well as access routes to the staging areas;
8. A description/delineation of temporary impacts versus permanent impacts;
9. An indication of the duration of temporary impacts;
10. A description of the locations of the proposed transmission lines and exact locations of the proposed towers;
11. An explanation/description of the types of towers that would be installed; and

12. A description of any consequences arising from the change from an air-insulated substation to a gas-insulated substation (proposed San Juan Capistrano Substation).

Objectives

A comment from a local agency requested that the project objectives not be narrow and constrained, but rather that they should be broadly defined. The applicant's comments included a request that the CPUC review information concerning alternatives within the PEA to ensure that alternatives considered within the EIR focus on the objectives of the proposed project.

Alternatives

Comments received from members of the public and local agencies during the scoping period regarding alternatives included requests that the CPUC consider the following during preparation of the EIR:

1. An alternative whereby transmission lines would be installed underground, to avoid fire danger, visual impacts, and impacts from electromagnetic fields (EMF);
2. A balanced consideration of any alternative that would install the transmission lines underground, that would take into account the costs to ratepayers of such an alternative;
3. An alternative whereby the San Juan Capistrano Substation would be installed partially or fully underground;
4. An alternative that would combine the preservation of the Capistrano Substation on site with design changes such as locating the substation partially or fully underground;
5. An alternative whereby new substation facilities would be constructed behind the existing Capistrano Substation building;
6. Alternative locations for the power lines and infrastructure including outside San Juan Capistrano, in less densely populated areas, or near future service areas such as the developments in the Rancho Mission Viejo area;
7. An alternative whereby a different substation, such as the Laguna Niguel substation or the substation located near Prima Deschecha Landfill, would be used or expanded;
8. An alternative whereby a new substation would be constructed outside of San Juan Capistrano (e.g. a less densely populated location);
9. An alternative whereby the existing Capistrano Substation would be upgraded without the expansion of its footprint;
10. An alternative that would have a smaller footprint, such as one that would not include the installation of new transmission lines;
11. An alternative that would include a three terminal line (a transmission line tapped in three places to serve substations), rather than the proposed installation of new transmission infrastructure;
12. Alternatives that would reduce impacts to aesthetics, air quality, cultural resources, and hazards;

13. An alternative that would include a smaller San Juan Capistrano substation, and one whereby all structures on the site would be located at the far edge of the project property, away from residences;
14. An alternative whereby all residents immediately adjacent to the Capistrano Substation would be relocated; and
15. The inclusion of a fully vetted and evaluated “No Project” alternative.

The applicant’s comment letter included requests that:

1. The CPUC review the information concerning alternatives within the PEA to ensure that alternatives considered within the EIR focus on the objectives of the proposed project and that any alternatives considered are evaluated with respect to their feasibility; and
2. Alternatives considered in the EIR meet the goals of the proposed project (as listed in PEA Section 2.0).

The applicant’s comment letter also noted that the PEA includes discussions of alternative substation sites, both within and outside of San Juan Capistrano, as well as a “No Project” alternative. The applicant’s comment letter also states that the PEA includes an analysis of a potential alternative substation site at Prima Deschecha Landfill and states that San Juan Capistrano Substation was chosen as the proposed project because of its proximity to the customer load, the costs associated with the acquisition of new land, the increase in the total disturbed acreage impacted, and because a new substation at Prima Deschecha Landfill would not eliminate the need for upgrades and modernization of the San Juan Capistrano Substation.

3.3 Environmental Resources

Most of comments from members of the public, agencies, and local organizations addressed impacts of the proposed project on the environment, most often with regards to cultural resources, hazards, air quality, aesthetics, biology, and the cumulative impacts on these resource areas from other proposed construction projects. Comments pertaining to impacts on specific environmental resources are described below.

Aesthetics

Comments received from members of the public and local agencies during the scoping period regarding aesthetics included requests that:

1. The transmission lines be installed underground to avoid visual impacts;
2. The substation be installed partially or fully underground to avoid visual impacts;
3. The project’s aesthetics be fully illustrated and compared with existing aesthetic resources;
4. The project design be consistent with the “gateway” location of the San Juan Capistrano Substation;
5. The buildings at the San Juan Capistrano Substation have a permanent, mission style appearance;

6. The applicant not use plain metal buildings or block walls;
7. The applicant install/maintain trees and landscaping around the San Juan Capistrano Substation and on the southern slope between the substation and Calle Bonita;
8. The applicant use walls around the entire San Juan Capistrano Substation (versus only parts of the substation) if they are needed;
9. The San Juan Capistrano Substation not be designed to have a factory-like or industrial appearance;
10. Specific information about the proposed San Juan Capistrano Substation and wall, such as height, color, material, architecture, and fencing be disclosed;
11. The San Juan Capistrano Substation not be designed in such a way that it presents the appearance of a “faux” historic building;
12. The EIR include a shade and shadow study of the proposed San Juan Capistrano Substation and wall, to provide a context from adjacent residences and streets, regarding shading effects and altered views for local residences;
13. The applicant consider housing the San Juan Capistrano Substation within a building; and
14. The lighting for the project be evaluated and be consistent with city codes.

Members of the public and local agencies also expressed concern that:

1. The scale of the project, in particular the new San Juan Capistrano Substation, would affect the aesthetics of the historic community;
2. The height and look of the proposed walls for the San Juan Capistrano Substation were not appropriate for the area;
3. The height of the proposed buildings at the San Juan Capistrano Substation would exceed city height requirements and be inconsistent with the design character of the community;
4. The appearance of the San Juan Capistrano Substation would affect the aesthetics of the main thoroughfare through the city;
5. The applicant is employing green buffer restrictions of plant height and spread density for screening, eliminating the opportunity to blend the landscape with established trees and shrubbery;
6. The applicant would not propose climbing vines on proposed walls to soften the aesthetic impact of the San Juan Capistrano Substation; and
7. The project would affect the view of the ridgeline.

Multiple commenters stated that they did not believe the proposed design for the San Juan Capistrano Substation impacted the historical character of the downtown San Juan Capistrano Substation area.

Comments received from the applicant stated that the former utility structure at the Capistrano Substation site is not consistent with the image and identity of San Juan

Capistrano as described in the Community Design Element of the San Juan Capistrano General Plan.

Air Quality

Comments from agencies during the scoping period regarding air quality included a letter in response to the NOP from the South Coast Air Quality Management District (SCAQMD) and a letter from Camp Pendleton. The SCAQMD:

1. Requested that the lead agency identify any potential adverse air quality impacts that could occur from all phases of the proposed project and all air pollutant sources related to the project;
2. Requested that the lead agency calculate air quality impacts from proposed construction, demolition and operations activities;
3. Recommended that the lead agency quantify emissions of fine particulate matter 2.5 micrometers in diameter (PM_{2.5}) and compare the results to PM_{2.5} significance thresholds recommended by the SCAQMD;
4. Recommended that the lead agency calculate localized air quality impacts and compare the results to localized significance thresholds (LSTs);
5. Recommended that the lead agency perform a localized significance analysis by either using the LSTs developed by the SCAQMD or performing dispersion modeling as necessary;
6. Recommended that the lead agency perform a mobile source health risk assessment for the project elements that would generate or attract vehicular trips, especially heavy duty diesel-fueled vehicles; and
7. Recommended that the lead agency perform an analysis of all toxic air contaminant impacts that could be generated from decommissioning activities or the use of equipment potentially generating such air pollutants.

Comments from Camp Pendleton requested that:

1. The EIR ensure that San Diego Air Basin criteria pollutants are considered for the project components completed within the San Diego County in addition to the areas that lie within the SCAQMD jurisdiction;
2. The applicant ensure that the installation and/or replacement of all gas insulated switchgears and all electrical equipment utilizing sulfur hexafluoride (SF₆) are reported to the Environmental Security, Air Quality Section of Camp Pendleton for inclusion in the Camp Pendleton Greenhouse Gas Emission Inventory and/or report to the California Air Resources Board (CARB) for inclusion into the Greenhouse Gas Emission Inventory; and that
3. Air quality permits are acquired from the San Diego Air Pollution Control District (SDAPCD) and the SCAQMD for all new equipment.

Comments from local agencies during the scoping period regarding air quality included requests that the EIR:

1. Analyze the impact of the release of materials (e.g. asbestos) during demolition and construction on sensitive receptors;
2. Analyze impacts to air quality from demolition, construction, and operations activities;
3. Assess the impacts of changing from an air-insulated substation to a gas-insulated substation (proposed San Juan Capistrano Substation); and
4. Estimate the project's particulate emissions and analyze them in a health risk assessment.

Biology

Various comments were received from federal agencies related to biological resources. The USFWS and CDFW (Wildlife Agencies) recommended that the EIR include:

1. A complete list/inventory and assessment of flora and fauna within and adjacent to the project area, with particular emphasis on identifying state- or federally-listed rare, threatened, endangered, or potential candidate species, California species of special concern, and/or state protected or fully protected species, and any locally unique species and sensitive habitats, following agency protocols;
2. A thorough assessment of Rare Natural Communities on site and within the area of impact;
3. Discussions regarding seasonal variations in use by sensitive species of the project site as well as the area of impact on those species, using acceptable species-specific survey procedures as determined through consultation with the Wildlife Agencies;
4. The results of focused, species-specific surveys conducted in conformance with established protocols at the appropriate time of year and time of day when the sensitive species are active or otherwise identifiable for species. Some of these species include least Bell's vireo, coastal California gnatcatcher, southwestern willow flycatcher, burrowing owl, arroyo toad, western spadefoot toad, and thread-leaved brodiaea;
5. The specific acreage and descriptions of the types of wetlands, coastal sage scrub, and other sensitive habitats that will or may be affected by the proposed project or project alternatives with maps and tables to summarize the information;
6. Discussions regarding the regional setting, pursuant to the CEQA Guidelines, Section 15125(a) and (c), with special emphasis on resources that are rare or unique to the region that would be affected by the project;
7. Detailed discussions, including qualitative and quantitative analyses, of the potentially affected listed and sensitive species (fish, wildlife, plants), and their habitats in the proposed project area, areas of impact, and alternative sites, including information pertaining to their local status and distribution;
8. A review of the CNDDDB findings regarding any previously reported sensitive species and habitat, including Significant Natural Areas, in the project area;
9. Discussions regarding indirect project impacts on biological resources, including resources in nearby public lands, open space, adjacent natural habitats, riparian ecosystems, and any designated and/or proposed NCCP reserve lands;

10. An evaluation of any impacts on or maintenance of wildlife corridor/movement areas, including access to undisturbed habitats in adjacent areas;
11. A discussion of potential adverse impacts from lighting, noise, human activity, exotic species, and drainage;
12. An analysis of project-related changes on drainage patterns on and downstream of the project area;
13. Discussions regarding possible conflicts resulting from wildlife-human interactions at the interface between the proposed project and natural habitats;
14. An analysis of the cumulative effects of other development, including development described in general and specific plans, and past, present and anticipated future projects, on similar plant communities and wildlife habitats;
15. An analysis of the effect that the project may have on the implementation of regional and/or subregional conservation programs, such as NCCPs;
16. Mitigation measures for unavoidable adverse project-related impacts on sensitive plants, animals, and habitats which emphasize avoidance and which require off-site mitigation if avoidance is not feasible;
17. A map that shows vegetation types, sensitive species locations, potential project impacts, and the project footprint;
18. A reevaluation and classification (better description) of the “Ruderal” category as a recognized habitat type found in the SDG&E NCCP;
19. A delineation of the areas of the project footprint that are covered by SDG&E’s NCCP;
20. A description of temporary impacts versus permanent impacts, and an indication of the duration of temporary impacts;
21. A mitigation measure that addresses the minimization of direct, indirect, and cumulative impacts that may occur from hydrofractures associated with directional drilling;
22. A figure depicting the location of BMPs in relation to the development footprint, as well as a description of anticipated long-term maintenance required for BMPs;
23. Mitigation measures to compensate for impacts to mature riparian corridors and the loss of function and value of any wildlife corridors;
24. A full analysis of potential impacts to stream or riparian resources and an adequate avoidance, mitigation, monitoring and reporting commitment consistent with any Lake and Streambed Alteration Agreement that may be required for the project;
25. Consideration of adverse impacts to state-listed species not covered by the NCCP;
26. A reasonable range of alternatives that avoid or otherwise represent reduced impacts on biological resources;
27. Measures to perpetually protect the targeted habitat values of lands proposed for preservation or restoration as a result of the project or mitigation of direct and indirect negative impacts. Such measures could include restriction of access, monitoring and management programs, control of illegal dumping and water pollution, etc.;

28. A requirement that plans for restoration and revegetation be prepared by persons with expertise in southern California ecosystems and native plant revegetation techniques; and
29. An analysis of potential impacts from water extraction activities or dewatering of areas with habitat, if any are supported by groundwater.

These agencies also requested that:

1. “Ruderal” not be considered a vegetation/habitat category in the biological analysis, but rather that this category be further subdivided into areas of non-native grassland or agriculture depending on the history of the area in question;
2. All areas of construction, including staffing areas and pull sites, and post-construction BMPs, be accounted for within the development footprint (area of disturbance) and assessed in the impacts analysis with regards to loss of habitat;
3. The EIR not distinguish between coastal sage scrub and disturbed coastal sage scrub (i.e., that disturbed coastal sage scrub be properly described in the EIR with regards to its habitat value);
4. A wetlands delineation be completed for the proposed project pursuant to USFWS guidelines;
5. A requirement that clearing of vegetation; and, when biologically warranted, construction, occur outside of the peak avian breeding season (February 1 through September 1);
6. A requirement that a qualified biologist conduct weekly surveys for nesting birds within three days prior to work in the area if construction during the avian breeding season cannot be avoided;
7. A requirement for a minimum buffer of 300 feet (500 feet for raptors), delineated by temporary fencing, between construction activities and any identified active bird nests until the nests are no longer active; and
8. A requirement that the applicant work with CDFW to develop a plan to ensure burrowing owls can either be accommodated or relocated with appropriate mitigation out of the impact area without adversely affecting them during the breeding season.

Other federal agencies recommended that:

1. The environmental documentation prepared for the project include surveys and analysis necessary to support consultation with the U.S. Fish and Wildlife Service;
2. The EIR require raptor-safe pole features; and
3. The project be required to comply with the Migratory Bird Treaty Act.

Comments from Camp Pendleton also stated that endangered species that have been documented on or near the project area include the arroyo toad, least Bell’s vireo, coastal California gnatcatcher (interspersed throughout the project area), thread-leaved brodiaea, and southern California steelhead.

A local organization requested that the EIR include an analysis of:

1. The proposed project's effects on the 32 covered species set forth in the Southern Subregion Habitat Conservation Plan (SSHCP);
2. The proposed project's effects on the function and value of the Southern Subregion Habitat Reserve; and
3. The consistency of the project with the terms of the recorded conservation easement for the SSHCP.

In addition, the organization requested that if the project will result in impacts to the Southern Subregion Habitat Reserve and any covered species or Conserved vegetation Community (as defined in the plan), the CPUC and/or the applicant:

1. Comply with all applicable mitigation measures set forth in the SSHCP; and
2. Coordinate any and all activities involving the conservation easement lands with staff at the Reserve at Rancho Mission Viejo.

Cultural Resources

Comments received from agencies during the scoping period regarding cultural resources came from the Native American Heritage Commission (NAHC) and Camp Pendleton. The NAHC recommended that:

1. The CPUC initiate early consultation with Native American tribes in the proposed project area as the best way to avoid unanticipated discoveries;
2. A Sacred Files Land Search be conducted for the Area of Potential Effect (APE); and
3. Any Native American cultural or burial sites determined to be located within the project area be avoided.

Comments from Camp Pendleton included recommendations that:

1. A cultural resources inventory be completed for the APE that includes information about all known cultural resource sites and all cultural resource studies that have been previously undertaken within the APE as well as areas within the APE that have not been previously surveyed for cultural resources; and
2. The EIR include recommendations for the types of cultural resource studies that might need to be completed for the project.

Comments received from the community, organizations and local agencies during the scoping period included multiple comments that:

1. The existing Capistrano Substation should not be allowed to be demolished because of its historical significance;

2. The existing Capistrano Substation be recognized as a historic resource because it is listed as a building of historical distinction by the city of San Juan Capistrano and qualifies for state and federal listing;
3. Removing the existing Capistrano Substation (excavation within the area) could impact remnants of a Native American village that existed north of the substation;
4. Impacts to archeological, cultural and Native American resources on the project site should be analyzed; and
5. The substation should be preserved, similar to historic substations in Sacramento and San Diego.

Comments from the applicant stated:

1. The existing Capistrano Substation is not listed on the Buildings of Distinction (BOD) list or any other list of historical resources; rather, the building that commenters have referred to as a potential cultural resource is an empty building located on the western portion of the same property, and has not been actively utilized for utility purposes for over 50 years (the applicant's letter refers to this building as the "former utility structure");
2. The former utility structure is not located within any known or identified existing historic district, site, or property; within the Historic Town Center; within the City of San Juan Capistrano's historic core; or on the Historic Walking Tour sites and Properties map provided by the City. Materials reviewed by the applicant that show the locations of these areas in relation to the substation site are cited;
3. According to the City of San Juan Capistrano General Plan, Cultural Resources Element and the city's BOD program, a building listed on the City's BOD list does not necessarily qualify that structure as a significant resource and the removal of that structure would not necessarily result in a significant impact to cultural resources;
4. The applicant does not believe the City of San Juan Capistrano has clearly demonstrated how removal of a structure that is not located in the Historic Town Center and is not consistent with the image and identity of San Juan Capistrano as described in the Community Design Element of the San Juan Capistrano General Plan would affect cultural and historic resources; and
5. The applicant contacted the NAHC and sent letters to groups/individuals on the list provided by the NAHC.

In summary, the applicant requested that the potential significance of the former utility structure be analyzed in relation to the City's adopted cultural resources protections and policies.

Geology

The letter submitted by DOGGR included statements that:

3 Summary of Scoping Comments

1. DOGGR is mandated to supervise the drilling, operation, maintenance, and plugging and abandonment of wells to prevent loss of oil, gas, or reservoir energy; and damage to oil and gas deposits by infiltrating water and other causes;
2. If any proposed project structure would be located over or in the proximity of a previously plugged and abandoned well, the well may need to be plugged to DOGGR specifications;
3. The State Oil and Gas Supervisor may order re-abandonment of any previously plugged or abandoned well when construction of any structure over or in the proximity of the well could result in a hazard;
4. An operator must have a bond on file with DOGGR and approval from the State Oil and Gas Supervisor before certain well operations are allowed to begin;
5. DOGGR must be notified regarding all operations pertinent to their jurisdiction, including tests and inspections of blowout-prevention equipment, reservoir and freshwater protection measures, and well-plugging operations (DOGGR staff may be required to witness or inspect such operations); and
6. If any plugged and abandoned or unrecorded wells are damaged or uncovered during project excavation or grading, remedial plugging operations may be required, and DOGGR's Cypress district office must be contacted.

Comments received from Camp Pendleton related to geology included:

1. A request that monitoring wells encountered during construction activities not be damaged or destroyed;
2. A request that the project proponent be responsible for reconstruction/renovation of any destroyed or damaged wells;

Other agency comments included a request that the EIR include a mitigation measure that addresses the minimization of direct, indirect, and cumulative impacts that may occur from hydrofractures associated with directional drilling.

Hazards and Hazardous Materials

Comments received from the Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) relating to Hazards and Hazardous Materials included comments that:

1. The division is mandated to supervise the drilling, operation, maintenance, and plugging and abandonment of wells to prevent damage to life, health, property, and natural resources;
2. If any structure related to the proposed project would be located over or in the proximity of a previously plugged and abandoned well, the well may need to be plugged to DOGGR specifications;
3. The State Oil and Gas Supervisor may order re-abandonment of any previously plugged or abandoned well when construction of any structure over or in the proximity of the well could result in a hazard;

4. An operator must have a bond on file with DOGGR and approval from the State Oil and Gas Supervisor before certain well operations are allowed to begin;
5. DOGGR must be notified regarding all operations pertinent to their jurisdiction, including tests and inspections of blowout-prevention equipment, reservoir and freshwater protection measures, and well-plugging operations (DOGGR staff may be required to witness or inspect such operations); and
6. If any plugged and abandoned or unrecorded wells are damaged or uncovered during project excavation or grading, remedial plugging operations may be required, and DOGGR's Cypress district office must be contacted.

Comments received from Camp Pendleton related to hazards requested that:

1. U.S. Environmental Protection Agency (USEPA) best management practices be used during earth moving activities or planned operations adjacent to any former or current operational ranges;
2. Measures be undertaken to prevent the spread of any potential contamination or release of any existing contaminants to the environment in accordance with applicable regulations;
3. If any soil is removed from the range on Camp Pendleton during project construction, appropriate hazardous constituent sampling and testing be completed;
4. If soil is determined to be hazardous waste, it is packaged, stored, and shipped in accordance with 40 CFR and California Title 22;
5. If any wood or construction debris removed from the project area was previously used in live fire training and received impact from rounds, the debris be sampled for lead and other constituents;
6. If solid lead or copper is removed from the range on Camp Pendleton, it is recycled in accordance with Camp Pendleton's Qualified Recycling Program (QRP) regulations;
7. All hazardous waste manifests be signed by the Hazardous Waste Branch, AC/S Environmental Security at Camp Pendleton;
8. If soil contamination (discolored and/or odorous soil) is discovered during construction, the applicant ensure soil is properly evaluated and managed;
9. Herbicide/pesticide application is in accordance with Federal Insecticide, Fungicide, and Rodenticide (FIFRA) labels;
10. Herbicide/pesticide applicators are properly trained and certified;
11. Applications of herbicides or pesticides in the Camp Pendleton area are limited to only herbicides/pesticides approved by Camp Pendleton; and
12. Excessive application of herbicides/pesticides is avoided prior to storm events, and records of herbicide/pesticide application are submitted to Camp Pendleton Facilities staff.

Comments received from members of the public and local agencies during the scoping period regarding Hazards and Hazardous Materials included:

1. Multiple concerns related to electromagnetic fields (EMF) as a potential hazard to nearby residents and park users;
2. Multiple requests that existing and proposed EMF levels be measured and that a human health and risk assessment be prepared;
3. A request that thresholds be established to identify acceptable EMF levels for residences and that setbacks similar to those that are used for schools be determined for residences, to ensure that levels of EMF are reduced to an acceptable level;
4. A question about impacts to the Rancho San Juan residential development and the nearby school;
5. A suggestion that utilities pay an exposure fee to people who reside within a certain distance of proposed electric lines;
6. A question about the difference between EMF generated by underground versus overhead power lines;
7. A comment that underground power lines are less likely to cause a fire hazard;
8. A comment that undergrounding of power lines may not address EMF concerns;
9. A comment stating that the results of epidemiological studies on the effects of EMF are grounds for concern (cited from a book about EMF studies);
10. A request for an impact analysis associated with the proposed change from an air-insulated substation to a gas-insulated substation (proposed San Juan Capistrano Substation);
11. A request that project impacts be addressed from a health perspective;
12. A concern regarding potential hazards to public health if long-term outages were to occur due to a lack of reliable power;
13. A request that the EIR include a Phase I analysis to determine potential hazardous materials that may be released during demolition, and a detailed remediation plan describing protection for residences adjacent to the project area; and
14. A request that the EIR include a plan for continuous monitoring of potential releases of hazardous materials during all stages of demolition and remediation.

Hydrology and Water Quality

A comment letter received from the Department of the Army, U.S. Army Corps of Engineers (USACE), related to water quality included a comment that a USACE permit would be required for the discharge of dredged or fill material, including re-deposit of dredged material other than incidental fallback within waters of the U.S., including wetlands and adjacent wetlands, pursuant to Section 404 of the Clean Water Act of 1972.

Comments from Camp Pendleton included:

1. A request that a wetland delineation be performed for the project area to determine if any impacts to jurisdictional wetlands or water resources would result from the project;

3 Summary of Scoping Comments

2. A request that monitoring wells encountered during construction activities not be damaged or destroyed;
3. A request that the project proponent be responsible for reconstruction/renovation of any destroyed or damaged wells;
4. A request that herbicide/pesticide application be in accordance with Federal Insecticide, Fungicide, and Rodenticide (FIFRA) labels, applicators be properly trained and certified, applications be limited to only Camp Pendleton-approved herbicides and pesticides, excessive application be avoided prior to storm events, and records of herbicide/pesticide application be submitted to Camp Pendleton Facilities staff; and
5. A comment that the USEPA is currently developing a new permit to cover herbicide/pesticide applications near water bodies which the project may be subject to.

The letter received from DOGGR included comments that:

1. DOGGR is mandated to supervise the drilling, operation, maintenance, and plugging and abandonment of wells to prevent damage to underground and surface waters suitable for irrigation or domestic use and damage to oil and gas deposits by infiltrating water and other causes;
2. If any proposed project structure would be located over or in the proximity of a previously plugged and abandoned well, the well may need to be plugged to DOGGR specifications;
3. The State Oil and Gas Supervisor may order re-abandonment of any previously plugged or abandoned well when construction of any structure over or in the proximity of the well could result in a hazard;
4. An operator must have a bond on file with DOGGR and approval from the State Oil and Gas Supervisor before certain well operations are allowed to begin;
5. DOGGR must be notified regarding all operations pertinent to their jurisdiction, including tests and inspections of blowout-prevention equipment, reservoir and freshwater protection measures, and well-plugging operations (DOGGR staff may be required to witness or inspect such operations); and
6. If any plugged and abandoned or unrecorded wells are damaged or uncovered during project excavation or grading, remedial plugging operations may be required, and DOGGR's Cypress district office must be contacted.

Comments received from USFWS and CDFW related to hydrology and water quality included requests that the EIR include:

1. An analysis of potential impacts from water extraction activities or dewatering of areas with habitat, if any are supported by groundwater.
2. An analysis of project-related changes on drainage patterns on and downstream of the project site;

3. A full analysis of potential impacts to stream or riparian resources and an adequate avoidance, mitigation, monitoring and reporting commitment consistent with any Lake and Streambed Alteration Agreement that may be required for the project; and
4. Measures to perpetually protect the targeted habitat values of lands proposed for preservation or restoration as a result of the project or mitigation of direct and indirect negative impacts. Such measures could include restriction of access, monitoring and management programs, control of illegal dumping and water pollution, etc.

Comments received from local agencies included requests that the EIR include:

1. Information about how the project will affect city utilities, specifically water and sewer;
2. A description of project characteristics with respect to water quality issues, such as project site location in a given watershed, site acreage, known ground contamination, known groundwater contamination, and anticipated change in percent impervious surface area that would result from the project;
3. Identification of downstream receiving waters that may receive contributory runoff from the project, along with a description of the sensitivity of the receiving waters, including Areas of Special Biological significance, water bodies with Total maximum Daily Loads (TMDL), and Clean Water Act Sec. 303(d) listed impaired water bodies;
4. A characterization of potential water quality impacts from the proposed project and identification of the anticipated pollutants to be generated by the project;
5. A characterization of downstream hydrological conditions of concern that may be affected by project-related changes in runoff volume and velocity, sediment load, makeup or characteristics, flow frequency duration, and peak runoff;
6. An evaluation of significant changes in hydrological conditions;
7. An assessment of the project's significant impacts to water quality;
8. A quantitative analysis of the anticipated pollutant loads in project-generated stormwater discharge to the receiving waters if the proposed project has the potential to create a major new stormwater discharge to a water body with an established TMDL;
9. Comments that project work proposed to be conducted within the Orange County Flood District (OCFD) ROW should not adversely impact OCFD ROW and/or facilities, and the structural integrity, hydraulic flow, conditions, and accessibility of such facilities;
10. Comments that the project will be required to obtain a General Permit for Discharges of Storm Water Associated with Construction Activity; and
11. Comments that the applicant must obtain encroachment permits from the Orange County Public Works Department for any proposed replacement of transmission lines within Orange County Flood Control District ROW.

Land Use

Comments received from members of the public and local agencies during the scoping period regarding land use included comments addressing:

1. Other possible land uses that could be established in the transmission ROW;

2. The compatibility of the proposed project with the residential development in the area;
3. Concerns that the size of the project (especially the proposed San Juan Capistrano Substation) is too large in relation to surrounding land uses;
4. Concerns that the project would affect certain agricultural uses such as cattle operations; and
5. Concerns that the project design be consistent with the “gateway location” of the San Juan Capistrano substation to the “historic downtown” and “designated historic district.”

Public Services and Utilities

Comments received from local agencies and members of the public during the scoping period regarding public services and utilities included:

1. A question about how the project would affect city utilities, specifically water and sewer;
2. A question about what the maximum power at build-out would be under worst case conditions;
3. A request that the applicant disclose any “mandatory ties to the SMART plan for electric co.s [companies] in the project;” and
4. A concern that the project may affect an existing lease for green-waste recycling operations located along La Pata Avenue within Rancho Mission Viejo.

Noise

Comments received from members of the public during the scoping period regarding noise included concerns about:

1. Noise that would be generated during construction;
2. The effects of noise on nearby businesses;
3. The effects of noise on users of Bella Collina Towne & Golf Club; and
4. The impacts of corona noise on residents.

Recreation

Comments received from members of the community and local agencies during the scoping period included:

1. A request that health impacts to park users from EMF be assessed;
2. A request that impacts to Bella Collina Towne & Golf Club users be analyzed;
3. A concern regarding encroachment of project activities on the greenway corridor at Camino Capistrano;
4. A concern that the proposed project has the potential to impact three existing trails and one proposed trail (the Cristianitos Trail, the San Juan Creek Regional Riding and Hiking Trail, the existing Prima Deschecha Trail, and the proposed Prima Deschecha Trail) as well as the San Juan Creek Regional Class 1 Bikeway; and

5. A recommendation that the applicant work with the community to add community amenities to the project.

Traffic

A letter submitted by the State of California Department of Transportation (Caltrans) included a comment that any work proposed in the vicinity of any Caltrans ROW would require an encroachment permit from Caltrans, and included information on the proper procedures for submittal of a request.

Comments received from members of the public included:

1. A request that the EIR assess the impacts of traffic during construction;
2. A request that the EIR include and assess impacts to staging areas that will be used during construction;
3. Concerns about road closures on La Plata and Vista Montana, requesting information about whether road closures would block access to homes, the high school, and Prima Deschecha Landfill; and
4. Concerns that the proposed trenching would affect the roadbed within the recently paved areas of Ortega Highway.

Growth Inducing Impacts

Comments received from federal agencies included:

1. A request that the EIR address whether an increase in electrical transmission capacity near Camp Pendleton would encourage commercial or residential development at the border of Camp Pendleton; and
2. A question asking whether the Talega Substation could be further expanded after completion of the project.

A comment received from the public requested that the CPUC consider a project alternative that would include a three terminal line (a transmission line tapped in three places to serve substations), rather than the proposed installation of new transmission infrastructure.

Cumulative

Comments received from members of the public and local agencies addressing cumulative impacts included:

1. A request that project construction be coordinated with other projects that could be constructed simultaneously in the area/region, including the La Pata Road project, I-5/Ortega Interchange project, Prima Deschecha Landfill project, and the Ortega Highway Widening project;
2. A request that the EIR assess how the cumulative impacts of all projects being constructed in the City of San Juan Capistrano at the same time could affect the city's economic vitality;

3. Concerns about the cumulative effects of all of the projects that will be constructed during the time that the proposed project will be constructed; and
4. A comment that the EIR include a reasonable analysis of the cumulative impacts of the proposed project together with past, present and reasonably anticipated future projects that could produce cumulative impacts together with the proposed project.

Comments Not Addressed in the CEQA Document

Some comments received during the scoping period will not be addressed within the context of the EIR, because they do not relate to a physical impact the project may have on the environment, and include:

1. Concerns related to the effects of the project on property values;
2. Concerns that utility rates could be raised as a result of the project; and
3. Several comments stating general support or opposition to the proposed project.

Though not addressed in the CEQA document, an evaluation of the purpose and the need for the project, as well as the project costs and its effects on ratepayers, will be evaluated by the CPUC administrative law judge (ALJ) during the CPUC's permit application review process that is parallel to the environmental review process.

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Notice of Preparation (NOP)

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**NOTICE OF PREPARATION
ENVIRONMENTAL IMPACT REPORT FOR THE
SOUTH ORANGE COUNTY RELIABILITY ENHANCEMENT PROJECT
PROPOSED BY SAN DIEGO GAS AND ELECTRIC COMPANY**

APPLICATION NO. A.12-05-020

To: All Interested Parties
From: Andrew Barnsdale, CEQA Project Manager, CPUC Energy Division
Date: January 9, 2013

Si usted necesita más información o una copia de este documento en español, por favor, llame al (855) 520-6799 o visite la siguiente página Web. <http://tinyurl.com/clsee4g>

A. INTRODUCTION

San Diego Gas and Electric Company (SDG&E) filed an application for a Certificate of Public Convenience and Necessity (CPCN) with the California Public Utilities Commission (CPUC) for the South Orange County Reliability Enhancement project (SOCRE project) to rebuild and upgrade a portion of its transmission infrastructure in South Orange County. In accordance with the California Environmental Quality Act (CEQA), the CPUC is the Lead Agency and is preparing an environmental review document to evaluate the proposed project.

This Notice of Preparation (NOP) indicates the CPUC's intent to prepare an Environmental Impact Report (EIR) in accordance with CEQA. The EIR would describe the nature and extent of the environmental impacts of the SOCRE project and project alternatives, and would discuss mitigation measures for adverse impacts.

With this NOP, the CPUC provides information about the SOCRE project description, location, and potential environmental impacts, and requests comments from interested persons, organizations, and agencies regarding the scope and content of the environmental information, including project alternatives and mitigation measures that should be included in the EIR. For agencies receiving this notice, the CPUC would like to know your views as to the scope and content of the environmental information that is germane to your agency's statutory responsibilities in connection with the SOCRE project. Each responsible agency receiving this NOP is invited to respond by providing the CPUC with specific details about the scope, environmental issues, alternatives, and mitigation measures related to each responsible agency's area of statutory responsibility that must be explored in the EIR. In accordance with CEQA Guidelines Section 15082(b)(1)(B), responsible and trustee agencies should also indicate their respective level of responsibility for the SOCRE project in their response.

This NOP will be circulated for a public review and comment period beginning January 9, 2013 and ending at 5:00 pm on February 8, 2013. Two scoping meetings will be held to receive comments, as described in Section E.

B. SUMMARY OF THE SOCRE PROJECT

Background and Project Purpose

The purpose of the proposed SOCRE project is to increase the reliability and operational flexibility of SDG&E's South Orange County 138-kilovolt (kV) system to reduce the risk of electrical outages. The project would also upgrade aging electrical infrastructure in the South Orange County area, including SDG&E's Capistrano Substation in the City of San Juan Capistrano.

The existing 230-kV transmission network at SDG&E's Talega Substation (located on Marine Corps Base Camp Pendleton) provides power for the South Orange County service area. Power supplied by the Talega Substation is transmitted to seven distribution substations—Capistrano, Laguna Niguel, Margarita, Pico, San Mateo, Rancho Mission Viejo, and Trabuco—over a 138-kV transmission network.

The SOCRE project would improve reliability by providing a second 230-kV power source to SDG&E's South Orange County service area and modernizing aging infrastructure, including rebuilding the Capistrano Substation, which was constructed in the 1960s, and upgrading components of the Talega Substation. Once upgraded, Capistrano Substation would become San Juan Capistrano Substation. The new substation would accommodate two new 230-kV lines and two additional 138-kV lines that would be rerouted to the upgraded substation. An existing 138-kV line would be routed to Talega Substation.

Project Description

Components of the SOCRE project would include:

1. Rebuilding and upgrading the existing 138/12-kV air-insulated Capistrano Substation (2 acres) as a 230/138/12-kV gas-insulated substation (6.4 acres) called San Juan Capistrano Substation;
2. Replacing a segment of a single-circuit 138-kV transmission line between the Talega and Capistrano substations with a new double-circuit 230-kV transmission line (7.5 miles), and relocating several transmission and distribution line segments (2 miles, combined) located near the two substations to accommodate the proposed 230-kV line; and
3. Relocating a 12-kV distribution line into new and existing underground conduit and overhead on new structures from the proposed San Juan Capistrano Substation to Prima Deschecha Landfill (6 miles).

Approximately 140 transmission and distribution line structures would be removed and approximately 120 would be installed. Approximately 0.30 miles of new right-of-way (ROW) would be acquired by SDG&E for the proposed transmission lines. Construction of the SOCRE project is anticipated to begin in November 2013 and would take approximately 4 years.

Project Location

The components of the SOCRE project would be primarily located in existing SDG&E ROW within the cities of San Juan Capistrano and San Clemente as well as unincorporated Orange and San Diego counties. South Orange County includes residential, commercial, industrial, recreational, and open space land uses. The existing 138-kV transmission line, which would be replaced by the proposed double-circuit 230-kV transmission line, crosses Interstate 5 east of the Capistrano Substation, and then continues southeast to the Rancho San Juan residential development and Prima Deschecha Landfill. From there, the transmission line continues southeast through the City of San Clemente and unincorporated Orange and San Diego counties to the Talega Substation, located within U.S. Marine Corps Base Camp Pendleton and San Diego County.

In addition, a 12-kV distribution line would be installed in existing and new underground conduit and overhead on new and replaced structures, from Capistrano Substation in the City of San Juan Capistrano to the Rancho San Juan residential development and Prima Deschecha Landfill. Figure 1 shows the location of the project components.

Operations and Maintenance

Operation and maintenance activities by SDG&E would not increase in intensity, frequency, or duration with implementation of the SOCRE project and would be very similar to existing operation and maintenance activities. Standard transmission line operation and maintenance activities include repairs, pole brushing in accordance with fire break clearance requirements, herbicide applications, and tree trimming to maintain a clear working space area around all poles. Typical activities would also include routine aerial and ground inspections, patrols, and preventive maintenance to ensure service reliability, as well as emergency work to maintain and restore service continuity.

The Talega and San Juan Capistrano substations would be unmanned substations. Workers would routinely visit each substation several times a week for standard operations and several times a year for equipment maintenance.

Project Alternatives

Pursuant to CEQA, a reasonable range of alternatives to the proposed project will be identified and analyzed in the EIR. During the 45-day comment period following publication of the Draft EIR, agencies and the public will be given the opportunity to comment on the alternatives considered.

C. CPUC PROCESS

The CPUC conducts two parallel processes when considering development proposed by a regulated utility: an application process, in which the CPUC reviews the utility's proposal (such as SDG&E's CPCN application for the SOCRE project) and considers whether the project is needed and is in the public interest; and an environmental review process pursuant to CEQA. The CPCN application process focuses on utility ratepayer and public benefit issues, and is undertaken by the CPUC's Administrative Law Judges Division.

The CEQA process for utility applications is led by the CPUC's Energy Division, which will direct the preparation of the SOCRE project EIR. Through the EIR process, the CPUC will determine whether the SOCRE project would result in significant impacts on the environment, and whether those impacts could be avoided or reduced to less than significant levels. The EIR will be used by the CPUC in conjunction with other information prepared for the CPUC's formal record to act on SDG&E's application. If, through the EIR process, the CPUC determines the project would result in significant environmental impacts that could not be mitigated to less than significant levels but still approves the project, the Commission's decision on the application will include a Statement of Overriding Considerations that presents the economic, legal, social, and technological benefits, or other benefits, that outweigh the project's impacts.

D. SCOPE OF EIR AND DISCUSSION OF POTENTIAL IMPACTS

Under CEQA, agencies are required to consider environmental impacts that may result from a proposed project, to inform the public of potential impacts and alternatives, and to facilitate public involvement in the assessment process. The EIR prepared for the SOCRE project will include a detailed description of the proposed project and project objectives, and a description of the affected environment. The EIR will also include an evaluation of environmental impacts, evaluate a reasonable range of alternatives to the project, and identify appropriate mitigation measures for any significant adverse impacts

The Proponent’s Environmental Assessment, prepared by SDG&E for the SOCRE project, identified environmental impacts that would result from the construction and operation of the project (Table 1).

Table 1: Initially Identified SOCRE Project Issues or Impacts

Environmental Issue Area	Potential Issues or Impacts
Aesthetics	Construction and operation of the project could result in impacts on the overall visual character of the project area.
Air Quality and Greenhouse Gases	Construction of the project could result in emissions of sulfur hexafluoride and criteria pollutants as identified by the South Coast Air Quality Management District.
Cultural Resources	Construction of the project could result in impacts on cultural and paleontological resources.
Geology, Soils, and Mineral Resources	Construction and operation of the project could result in impacts related to seismic-related ground failure, landslides, and unstable soils.
Hazards and Hazardous Materials	Construction and operation of the project could result in impacts related to hazards and hazardous materials.
Noise	Construction of the project at night could result in noise impacts.
Public Services	Construction of the project could result in impacts on existing parks and recreational areas in the project area.
Transportation and Traffic	Construction of the project could result in impacts related to traffic congestion and deterioration of levels of service, as well as cumulative traffic impacts.

The EIR may identify additional impacts. For significant impacts, and where feasible, mitigation measures will be proposed to avoid or reduce the impact.

E. PROJECT SCOPING PROCESS AND MEETINGS

Circulation of this NOP opens a public review and comment period on the scope of the CEQA document that begins on January 9, 2013 and ends on February 8, 2013 at 5:00 p.m. All interested parties, including the public, responsible agencies, and trustee agencies, are invited to present comments about the SOCRE project and the scope of the EIR.

The CPUC invites interested parties to the following public scoping meetings for the SOCRE project in order to learn more about the project, ask questions, and submit comments:

Wednesday, January 23, 2013

San Juan Capistrano Community Hall
 25925 Camino Del Avion
 San Juan Capistrano, CA 92675

Thursday, January 24, 2013

Bella Collina Towne and Golf Club
 200 Avenida La Pata
 San Clemente, CA 92673

Open House: 6:30 p.m. to 7:00 p.m.
 Presentation and Public Comment Session: 7:00 p.m.

Written scoping comments may also be mailed, faxed, or emailed to the CPUC during the NOP comment period specified above. Please include a name, address, and telephone number of a person who can receive future correspondence regarding the EIR. Please send your comments to:

Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300
San Francisco, CA 94111

Emailed comments may be sent to: SOCRE.CEQA@ene.com. Faxed comments may be sent to (415) 398-5326. Voice messages may be left at: (855) 520-6799. For mailed, faxed, and emailed comments, please include your name and mailing address in your comment, and include the words “South Orange County Reliability Enhancement Project” or “SOCRE.”

Comments received during the scoping period will be considered during preparation of the SOCRE project EIR. Public agencies and interested organizations and persons will have an additional opportunity to comment on the SOCRE project during the 45-day public review period to be held after the publication and circulation of the Draft EIR.

Agency Comments

This NOP was sent to responsible and trustee agencies, cooperating federal agencies, and the State Clearinghouse. We are interested in the views of your agency regarding the scope and content of the environmental information, as these responses will reflect your agency’s statutory responsibilities in connection with the SOCRE project. Responses should identify the issues to be considered in the CEQA document, including significant environmental issues, alternatives, mitigation measures, and whether your agency will be a responsible agency or a trustee agency. Please send responses to the address noted above.

G. ADDITIONAL INFORMATION

Information about the SOCRE project and the CEQA process is available on the CPUC’s project website: <http://tinyurl.com/clsee4g>

The website will be used to post all public documents related to the CEQA document. No public comments will be accepted on this website; however, the website will provide a sign-up option for interested parties to be placed on the project mailing list and a printable comment form.

The CEQA Guidelines are available at the following website:
http://www.ceres.ca.gov/topic/env_law/ceqa/guidelines

Appendix G of the CEQA Guidelines, which serves as an environmental checklist for all CPUC CEQA documents, is available at the following website: http://www.ceres.ca.gov/ceqa/guidelines/pdf/appendix_g-3.pdf

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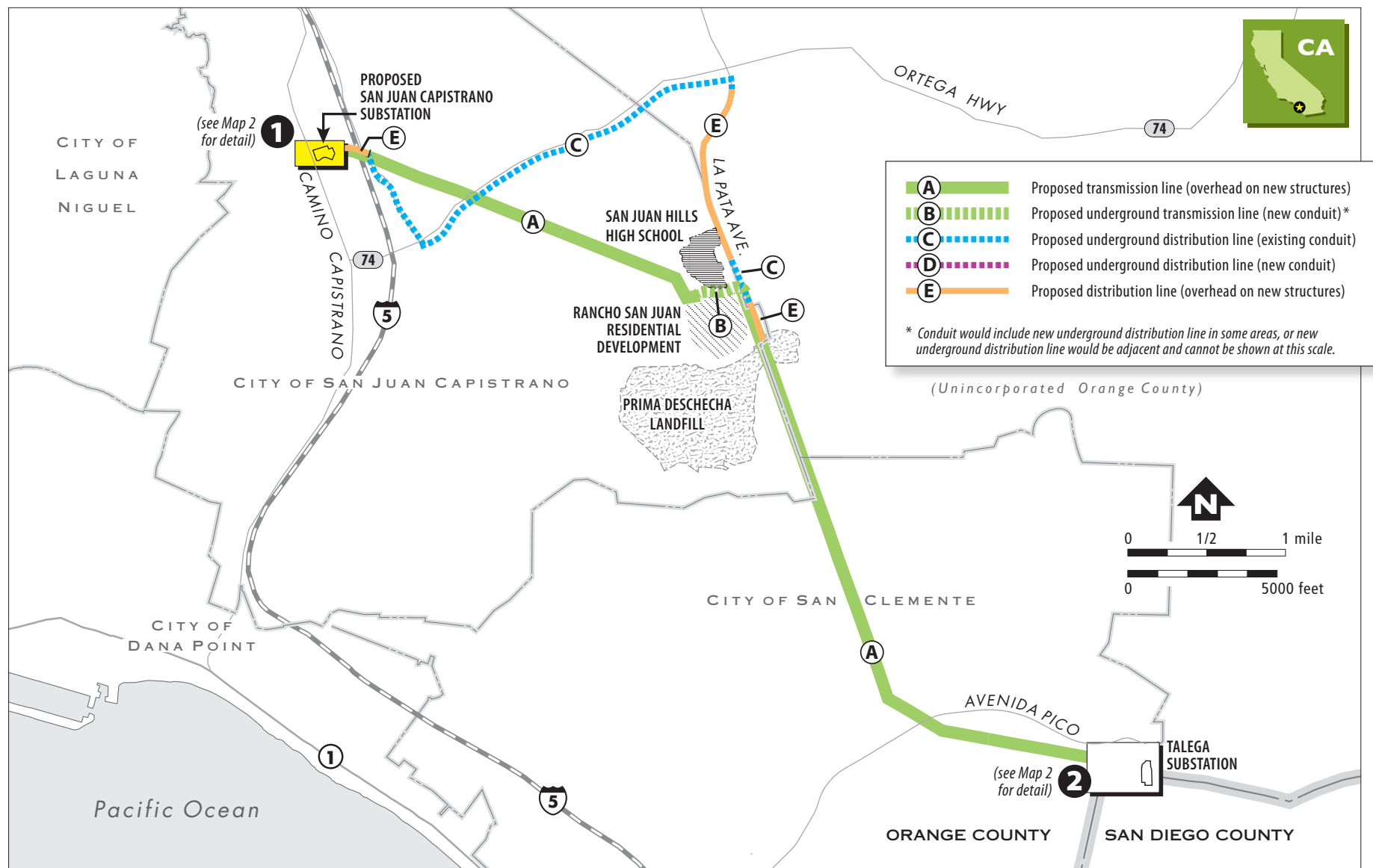


Figure 1 (Map 1 of 2)
South Orange County Reliability Enhancement Project
 Orange and San Diego Counties, California

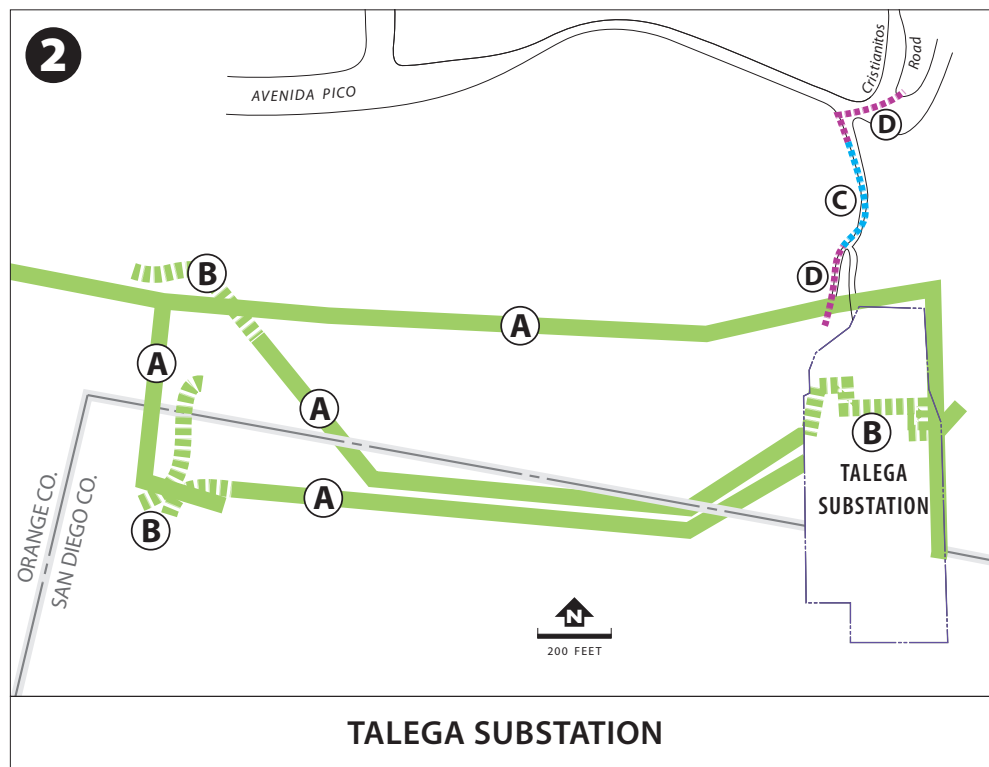
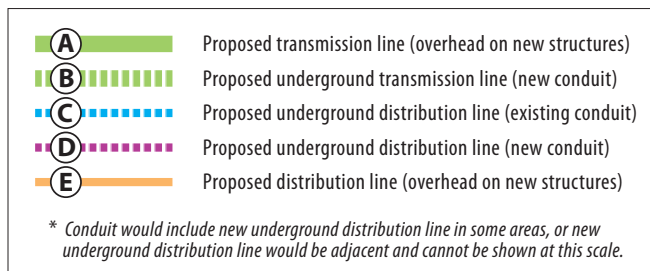
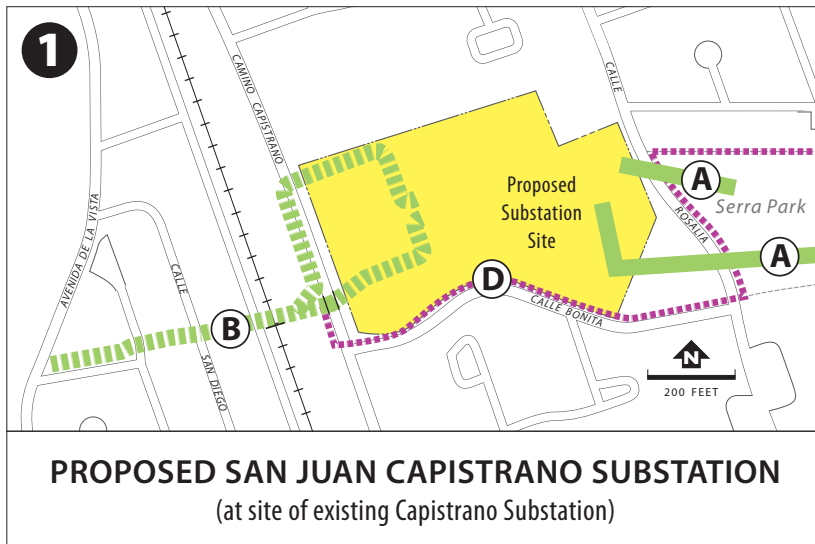


Figure 1 (Map 2 of 2)
South Orange County Reliability Enhancement Project
 Orange and San Diego Counties, California



**NOTIFICACIÓN DE PREPARACIÓN
INFORME DE IMPACTO AMBIENTAL DEL PROYECTO
“MEJORA DE CONFIABILIDAD AL SUR DEL CONDADO DE ORANGE”
PROPUESTO POR SAN DIEGO GAS AND ELECTRIC COMPANY**

SOLICITUD NO. A.12-05-020

Dirigida a: Todos los Interesados
Por parte de: Andrew Barnsdale, Gerente de Proyecto CEQA, División de
Energía de la CPUC
Fecha: 9 de Enero de 2013

A. INTRODUCCIÓN

San Diego Gas and Electric (SDG&E) introdujo una solicitud ante la Comisión de Servicios Públicos de California (CPUC, por sus siglas en inglés) para la obtención del Certificado de Conveniencia y Necesidad Pública (CPCN, por sus siglas en inglés) del Proyecto “Mejora de Confiabilidad al Sur del Condado de Orange” (conocido como el proyecto SOCRE), el cual tiene por objeto reconstruir y mejorar una porción de su infraestructura de transmisión en la zona Sur del Condado de Orange. La CPUC es la Agencia Líder de conformidad con la Ley de Calidad Ambiental de California (CEQA, por sus siglas en inglés) y está preparando un documento de revisión ambiental para evaluar el proyecto propuesto.

Esta Notificación de Preparación (NOP, por sus siglas en inglés) establece la intención de la CPUC de preparar un Informe de Impacto Ambiental (EIR, por sus siglas en inglés) de conformidad con la CEQA. El EIR describiría la naturaleza y extensión de los impactos ambientales del proyecto SOCRE y sus alternativas, y discutiría las medidas de mitigación para impactos adversos.

En esta NOP, la CPUC ofrece información sobre la descripción, ubicación y potenciales impactos ambientales del proyecto SOCRE, y solicita los comentarios de personas, organizaciones y agencias interesadas con respecto al alcance y contenido de la información ambiental que debe incorporarse en el EIR, incluyendo las alternativas al proyecto y medidas de mitigación. La CPUC espera conocer la opinión de las agencias que reciban esta notificación con respecto al alcance y contenido de la información ambiental pertinente a sus responsabilidades estatutarias vinculadas con el proyecto SOCRE. Toda agencia responsable que reciba esta NOP está invitada a responder a la CPUC suministrando detalles específicos sobre el alcance, aspectos ambientales, alternativas y medidas de mitigación -relativas a cada una de sus responsabilidades estatutarias- que deben ser exploradas en el EIR. De acuerdo con los Lineamientos de la CEQA, Sección 15082(b)(1)(B), las agencias responsables y administradoras deben indicar también en su respuesta su respectivo nivel de responsabilidad para el proyecto SOCRE.

Esta NOP será distribuida para revisión del público a partir del 9 de enero de 2013 y el período de recepción de comentarios durará hasta el 8 de febrero de 2013 a las 5:00 p.m. Se realizarán dos reuniones de determinación del alcance para recibir comentarios, tal como se describe en la Sección E.

B. RESUMEN DEL PROYECTO SOCRE

Antecedentes y Justificación del Proyecto

El objetivo del proyecto propuesto SOCRE es aumentar la confiabilidad y flexibilidad operativa del sistema de 138 kilovoltios de SDG&E existente en la zona Sur del Condado de Orange, con la finalidad de reducir el riesgo de cortes del servicio eléctrico. El proyecto también mejoraría la antigua infraestructura existente en el área al Sur de Condado de Orange, incluyendo la Subestación Capistrano de SDG&E ubicada en la Ciudad de San Juan Capistrano.

La red de transmisión eléctrica de 230 kilovoltios existente en la Subestación Talega de SDG&E (ubicada en el Campamento Base Pendleton de la Infantería de Marina) suministra energía al área de servicio al Sur del Condado de Orange. La energía que suministra la Subestación Talega se transmite a siete subestaciones de distribución a través de una red de 138 kilovoltios: Capistrano, Laguna Niguel, Margarita, Pico, San Mateo, Rancho Mission Viejo, y Trabuco.

El proyecto SOCRE mejoraría la confiabilidad del sistema existente al suministrar una segunda fuente de energía de 230 kilovoltios al área de servicio de SDG&E en el Sur del Condado de Orange y modernizaría infraestructura antigua mediante la reconstrucción de la Subestación Capistrano (construida en la década de 1960) y el remplazo de componentes de la Subestación Talega. Una vez mejorada, la Subestación Capistrano pasaría a llamarse Subestación San Juan Capistrano. Esta nueva subestación incorporaría dos líneas nuevas de transmisión de 230 kilovoltios y dos líneas adicionales de 138 kilovoltios cuyas rutas se modificarían para llegar a la subestación reconstruida. Una de las líneas existentes de 138 kilovoltios se conectaría con la Subestación Talega.

Descripción del Proyecto

Los componentes del proyecto SOCRE incluirían:

1. Reconstrucción y mejora de la Subestación Capistrano existente (138/12 kilovoltios, aislada con aire y de 2 acres de superficie) por una nueva subestación aislada a gas de 230/138/12 kilovoltios (6,4 acres de superficie), llamada Subestación San Juan Capistrano;
2. Remplazo de un segmento existente de línea de transmisión de circuito simple de 138 kilovoltios entre las Subestaciones Talega y Capistrano, por una nueva línea de transmisión de doble circuito de 230 kilovoltios y 7,5 millas de longitud; así como la reubicación de varios segmentos de transmisión y distribución (2 millas en total) ubicados cerca de ambas subestaciones para incorporar la nueva línea de 230 kilovoltios propuesta; y
3. Reubicación de 6 millas de una línea de distribución de 12 kilovoltios, tanto en conductos subterráneos nuevos y existentes, como en nuevas estructuras aéreas, desde la Subestación San Juan Capistrano hasta el Relleno Sanitario Prima Deschecha.

Se removerían aproximadamente 140 estructuras de líneas de transmisión y distribución, mientras que un estimado de 120 nuevas estructuras se instalarían como parte del proyecto. Así mismo, aproximadamente 0,3 millas de nuevo derecho de paso serían adquiridos por SDG&E. Se estima que la construcción del proyecto SOCRE comenzaría en Noviembre de 2013 y tendría una duración aproximada de 4 años.

Ubicación del Proyecto

Los componentes del proyecto SOCRE estarían ubicados principalmente en derechos de paso existentes que son propiedad de SDG&E en las ciudades de San Juan Capistrano y San Clemente, así como en áreas no incorporadas de los Condados de Orange y San Diego. El Sur del Condado de Orange consta de usos

del suelo de tipo residencial, comercial, industrial, recreacional, y espacios abiertos. La línea existente de 138 kilovoltios que sería remplazada por la nueva línea de doble circuito de 230 kilovoltios cruza la Autopista Interestatal 5 al este de la Subestación Capistrano y luego continúa en dirección Sureste hacia el desarrollo residencial Rancho San Juan y el Relleno Sanitario Prima Deschecha. Desde allí, la línea de transmisión continúa en dirección Sureste a través de la Ciudad de San Clemente y áreas no incorporadas de los Condados de Orange y San Diego hasta llegar a la Subestación Talega, ubicada dentro del Campamento Base Pendleton de la Infantería de Marina en el Condado de San Diego.

Además, se instalaría una línea de distribución de 12 kilovoltios, tanto en conductos subterráneos nuevos y existentes, como en estructuras aéreas nuevas y remplazadas, desde la Subestación Capistrano en la Ciudad de San Juan Capistrano hasta el desarrollo residencial Rancho San Juan y el Relleno Sanitario Prima Deschecha. La Figura 1 muestra la ubicación de los componentes del proyecto.

Operación y Mantenimiento

Las actividades de operación y mantenimiento de SDG&E no aumentarían en intensidad, frecuencia o duración con la implementación del proyecto SOCRE y serían muy similares a las operaciones y actividades de mantenimiento existentes. La operación de líneas de transmisión y actividades de mantenimiento estándar comprenden reparaciones, remoción de vegetación en postes de acuerdo a los requerimientos de prevención de incendios, así como aplicación de herbicidas y poda de árboles para mantener libres las áreas de trabajo alrededor de todos los postes. Las actividades típicas de operación y mantenimiento también incluirían inspecciones en tierra y aéreas, patrullaje y mantenimiento preventivo para garantizar la confiabilidad del servicio, así como trabajos de emergencia requeridos para mantener y restablecer la continuidad del servicio.

Las Subestaciones Talega y San Juan Capistrano funcionarían de forma remota y sin personal permanente. Los trabajadores visitarían rutinariamente cada subestación varias veces por semana para operaciones estándar y varias veces al año para el mantenimiento de equipos.

Alternativas al Proyecto

De acuerdo con la CEQA, el EIR debe identificar y evaluar un rango razonable de alternativas al proyecto. Tanto las agencias como el público tendrán la oportunidad de comentar sobre las alternativas consideradas durante el período de consulta pública de 45 días que comienza después de la publicación del EIR Preliminar.

C. PROCESO DE LA CPUC

Al evaluar una propuesta de desarrollo presentada por un prestador de servicios regulado en California, la CPUC realiza dos procesos paralelos: un proceso de solicitud, en el cual la CPUC revisa la propuesta del prestador de servicios (como la solicitud de CPCN para el proyecto SOCRE de SDG&E) para determinar si el proyecto es necesario y de interés público; y un proceso de revisión ambiental de acuerdo con la CEQA. El proceso de solicitud de CPCN se enfoca en aspectos como los beneficios para el usuario y el público en general desde el punto de vista de tarifas de servicio, y es llevado a cabo por la División Legal Administrativa de la CPUC.

El proceso CEQA para las solicitudes de servicios públicos es liderado por la División de Energía de la CPUC, la cual dirigirá la preparación del EIR del proyecto SOCRE. A través del proceso de EIR, la CPUC determinará si el proyecto SOCRE resultaría en impactos significativos en el ambiente, y si dichos impactos podrían ser evitados o reducidos a niveles no significativos. La CPUC utilizará el EIR en conjunto con otra información preparada para el registro formal de la Comisión con el fin de tomar acciones sobre la solicitud de SDG&E. Si durante el proceso de EIR la CPUC determina que el proyecto podría resultar en impactos significativos en el ambiente que no podrían ser mitigados a niveles no

significativos, pero aun así aprueba el proyecto, la decisión de la Comisión sobre la solicitud incluirá una Declaración de Consideraciones Impuestas, en la cual se presentan los beneficios económicos, legales, sociales, tecnológicos y de otra índole que se contraponen a los impactos del proyecto.

D. ALCANCE DEL EIR Y DISCUSIÓN DE POTENCIALES IMPACTOS

De acuerdo con los requerimientos de la CEQA, las agencias deben considerar los impactos ambientales que pueden ocurrir como consecuencia de la implementación de una propuesta de proyecto, a fin de informar al público sobre los potenciales impactos y alternativas, así como también para facilitar la participación del público en el proceso de evaluación. El EIR del proyecto SOCRE incluirá una descripción detallada de la propuesta de proyecto y sus alternativas, y una descripción del ambiente a ser afectado. El EIR también incluirá una evaluación de los impactos ambientales del proyecto y de un rango razonable de alternativas al mismo, e identificará las medidas de mitigación apropiadas para cualquier impacto adverso significativo.

La Evaluación Ambiental del Proponente, preparada por SDG&E para el proyecto SOCRE, identificó los impactos que pudieran ocurrir como consecuencia de la construcción y operación del proyecto (Tabla 1).

Tabla 1: Impactos o Asuntos Clave del Proyecto SOCRE Inicialmente Identificados

Área Temática Ambiental	Potenciales Impactos o Asuntos Clave
Paisaje	La construcción y operación del proyecto podría ocasionar impactos sobre el carácter visual general del área del proyecto.
Calidad del Aire y Gases de Efecto Invernadero	La construcción del proyecto pudiera generar emisiones de Hexafluoruro de Azufre y de contaminantes atmosféricos identificados por el Distrito de Gestión de Calidad del Aire de la Costa Sur de California.
Recursos Culturales	La construcción del proyecto podría ocasionar impactos sobre recursos culturales y paleontológicos.
Geología, Suelos y Recursos Minerales	La construcción y operación del proyecto podría ocasionar impactos relacionados con fallas sísmicas, derrumbes, y suelos inestables.
Peligros y Materiales Peligrosos	La construcción y operación del proyecto podría ocasionar impactos relativos a peligros y materiales peligrosos.
Ruido	La construcción del proyecto en horas de la noche podría generar impactos de ruido.
Servicios Públicos	La construcción del proyecto podría ocasionar impactos en parques y áreas de recreación existentes en el área del proyecto.
Tráfico y Transporte	La construcción del proyecto podría ocasionar impactos debido a la congestión y deterioro de los niveles de servicio de tránsito automotor, así como generar impactos acumulativos sobre el tráfico.

Es posible que el EIR identifique impactos adicionales. Se propondrán medidas de mitigación factibles para evitar o reducir impactos significativos.

E. PROCESO DE DETERMINACIÓN DEL ALCANCE Y REUNIONES PÚBLICAS

La publicación esta NOP inicia el 9 de enero de 2013 y culmina el 8 de febrero de 2013 a las 5:00 p.m. Todos interesados, incluyendo el público, agencias responsables y administradoras, están invitados a presentar sus comentarios sobre el proyecto SOCRE y el alcance del EIR.

La CPUC invita cordialmente a los interesados a participar en las siguientes reuniones públicas de determinación del alcance para el proyecto SOCRE, con la finalidad de aprender más sobre el proyecto, hacer preguntas y ofrecer comentarios:

Miércoles 23 de Enero, 2013

San Juan Capistrano Community Hall
25925 Camino Del Avión
San Juan Capistrano, CA 92675

Jueves 24 de Enero, 2013

Bella Collina Towne and Golf Club
200 Avenida La Pata
San Clemente, CA 92673

Recepción General: 6:30 p.m. a 7:00 p.m.
Presentación y Sesión de Comentarios del Público: 7:00 p.m.

Los comentarios al alcance también se pueden enviar a la CPUC por escrito por medio de correo postal, fax, o correo electrónico durante el período de recepción de comentarios especificado anteriormente. Por favor incluya el nombre, dirección postal y número telefónico de la persona interesada en recibir correspondencia a futuro sobre el EIR. Puede enviar sus comentarios por correo postal a:

Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300
San Francisco, CA 94111

Los comentarios también pueden ser enviados a través de correo electrónico a: SOCRE.CEQA@ene.com o mediante fax al (415) 398-5326. Igualmente, se recibirán mensajes de voz en el siguiente número telefónico: (855) 520-6799. En todos los comentarios enviados por medio del correo postal, fax y correo electrónico, por favor incluya su nombre y dirección postal en el comentario, indicando las palabras “*South Orange County Reliability Enhancement Project*” o “SOCRE.”

Los comentarios recibidos durante el período de determinación del alcance serán considerados en la preparación del EIR del proyecto SOCRE. Las agencias públicas, organizaciones y personas interesadas tendrán una oportunidad adicional de comentar durante el período de consulta pública de 45 días que se realizará después de la publicación y divulgación del EIR Preliminar.

Comentarios de las Agencias

Esta NOP se envió a las agencias responsables y administradoras, a las agencias federales de cooperación, y al Centro Estatal de Información. La CPUC está interesada en las opiniones de las agencias con respecto al alcance y contenido de la información ambiental, ya que sus respuestas reflejarán las responsabilidades estatutarias vinculadas con el proyecto SOCRE. Las respuestas deben identificar los aspectos a ser considerados en el documento CEQA, incluyendo aspectos ambientales significativos, alternativas, medidas de mitigación, y si se trata de una agencia responsable o administradora. Por favor envíe sus respuestas a la dirección postal indicada anteriormente.

G. INFORMACIÓN ADICIONAL

Información sobre el proyecto SOCRE y el proceso CEQA se encuentra disponible en el sitio de Internet del proyecto de la CPUC: <http://tinyurl.com/clsee4g>.

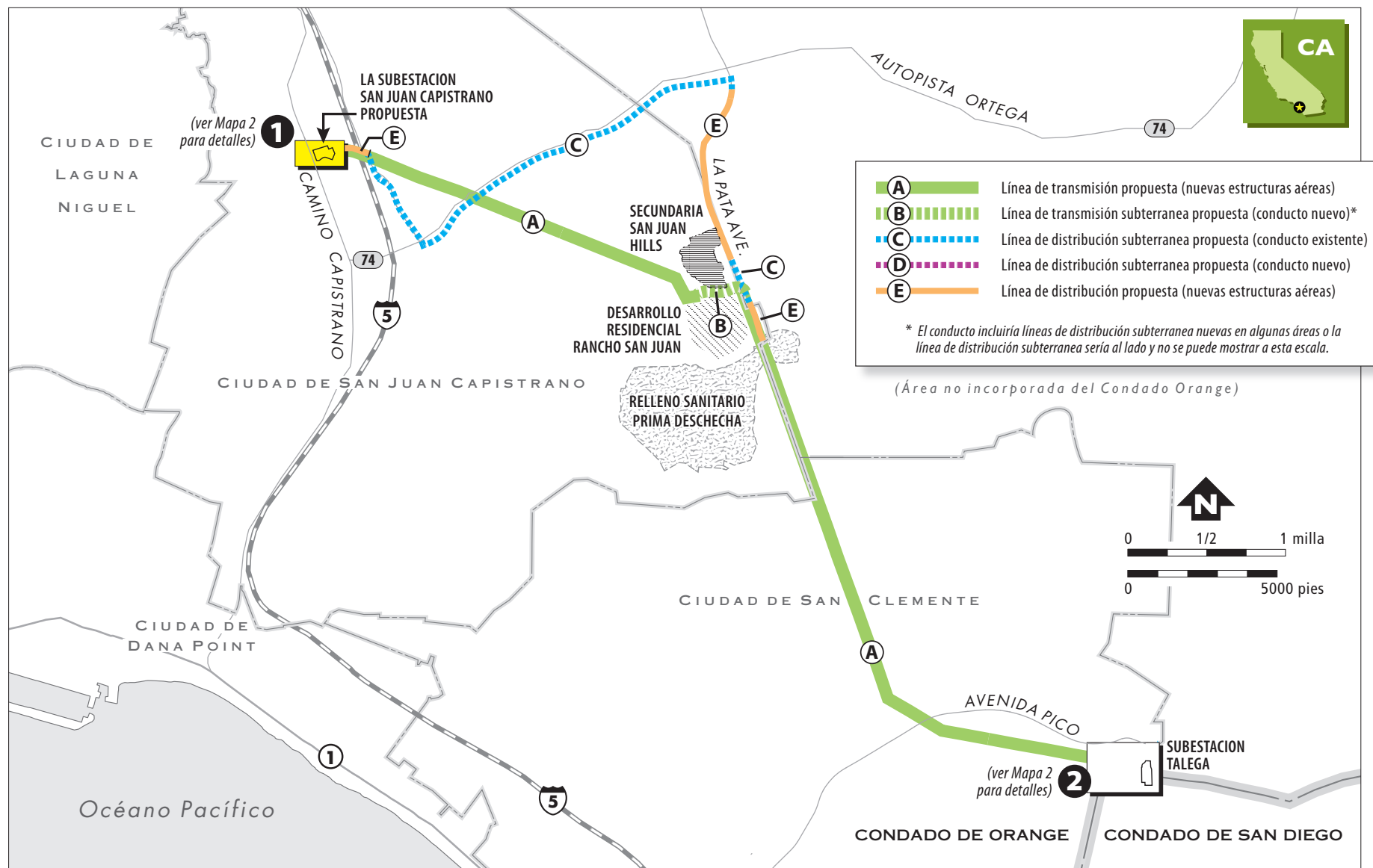
El sitio de Internet se usará para publicar todos los documentos relacionados con el proceso CEQA. No se aceptarán comentarios publicados en este sitio de Internet; sin embargo, el sitio proveerá una opción de registro para incorporar a los interesados en la lista de correos del proyecto y una planilla de comentarios en formato para imprimir.

Los Lineamientos de CEQA se encuentran disponibles en el siguiente sitio de Internet:

http://www.ceres.ca.gov/topic/env_law/ceqa/guidelines

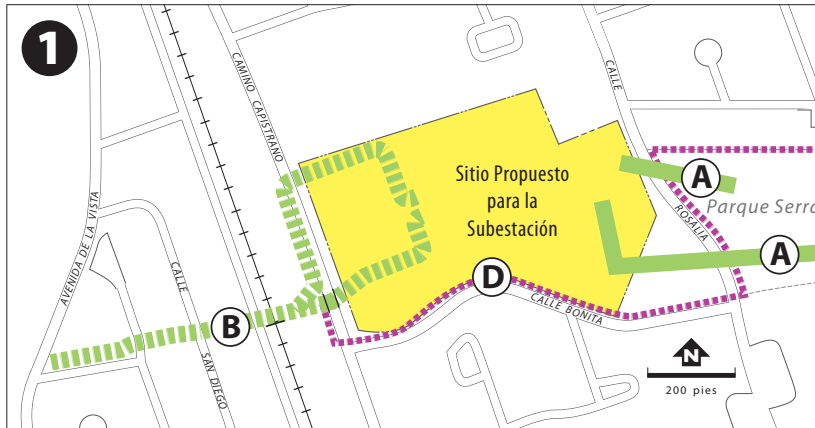
El Anexo G de los Lineamientos de CEQA, el cual sirve como lista de verificación ambiental para todos los documentos CEQA de la CPUC, se encuentra disponible en el siguiente sitio de Internet:

http://www.ceres.ca.gov/ceqa/guidelines/pdf/appendix_g-3.pdf

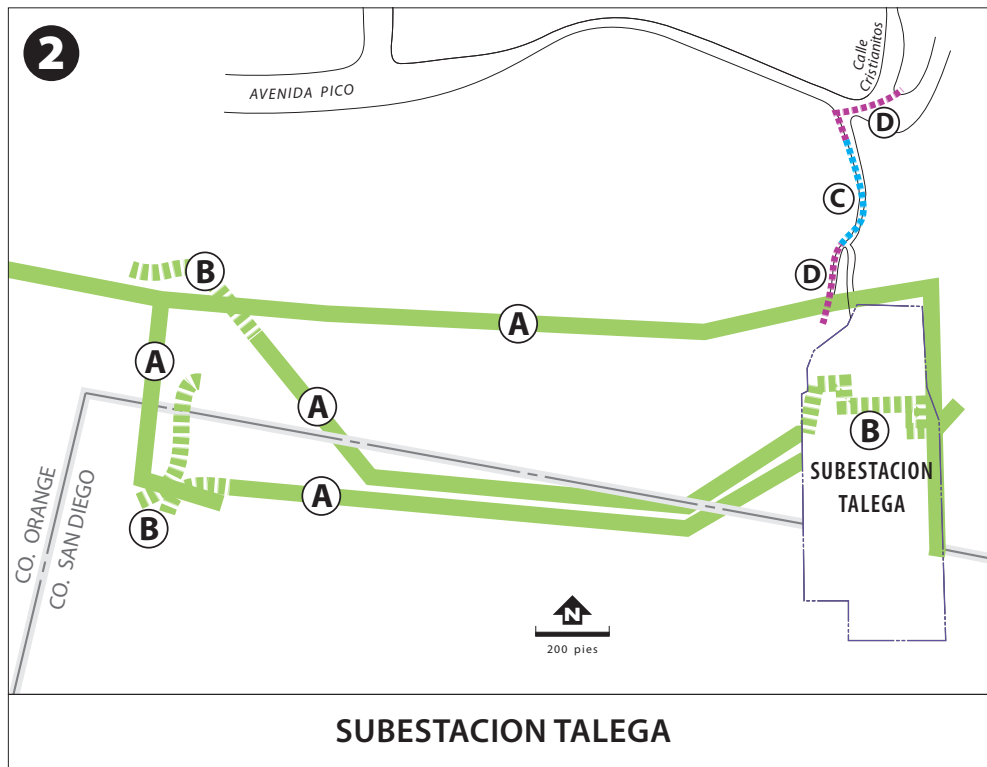
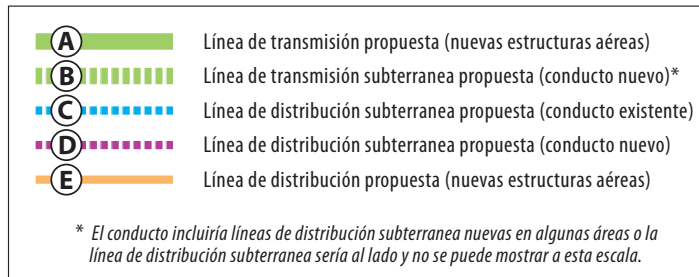


EE-003279-0001-01-02TTO.a_Sp.ai 2013 Corp Archives) 01/02/2013

Figura 1 (Mapa 1 de 2)
Mejora de Confiabilidad al Sur del Condado de Orange
 Condados de Orange y San Diego, California



LA SUBESTACION SAN JUAN CAPISTRANO PROPUESTA
(en el sitio de la Subestación Capistrano existente)



SUBESTACION TALEGA

Figura 1 (Mapa 2 of 2)
Mejora de Confiabilidad al Sur del Condado de Orange
Condados de Orange y San Diego, California

B

NOP Proof of Publication

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PROOF OF PUBLICATION
(2015.5C.C.P.)

La Opinión

The Leading Spanish Language Daily Newspaper
700 S. Flower St. • Los Angeles, CA 90017
Tel:(213) 896-2260 • Fax:(213) 896-2238
www.laopinion.com

STATE OF CALIFORNIA

This space is for the County Clerk's filing Stamp

I am a citizen of the United States and a resident of the county aforesaid; I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of La Opinión a newspaper of general circulation, printed and published daily in the city of Los Angeles, County of Los Angeles, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Los Angeles, State of California, under the date of July 28, 1969, Case Number: 950176; that the notice, of which the annexed is a printed copy, has been published in each regular and not in any supplement thereof on the following dates, to-wit:

January 9

all in the year 20 13

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Los Angeles, California, this

9 day of Jan, 20 13

Rosa Berume

Signature

**NOTIFICACIÓN DE PREPARACIÓN
INFORME DE IMPACTO AMBIENTAL DEL PROYECTO
"MEJORA DE CONFIABILIDAD AL SUR DEL CONDADO DE ORANGE" PROPUESTO POR SAN DIEGO GAS AND ELECTRIC COMPANY**

SOLICITUD NO. A.12-05-020

Andrew Barnsdale, División de Energía de la Servicios Públicos de California

San Diego Gas and Electric (SDG&E) introdujo una solicitud ante la Comisión de Servicios Públicos de California (CPUC, por sus siglas en inglés) para la obtención del Certificado de Conveniencia y Necesidad Pública (CPCN, por sus siglas en inglés) del Proyecto "Mejora de Confiabilidad al Sur del Condado de Orange" (conocido como el proyecto SOCRE), el cual tiene por objeto reconstruir y mejorar una porción de su infraestructura de transmisión en la zona Sur del Condado de Orange. La CPUC es la Agencia Líder de conformidad con la Ley de Calidad Ambiental de California (CEQA, por sus siglas en inglés) y está preparando un documento de revisión ambiental para evaluar el proyecto propuesto.

Esta Notificación de Preparación (NOP por sus siglas en inglés) establece la intención de la CPUC de preparar un Informe de Impacto Ambiental (EIR, por sus siglas en inglés) de conformidad con la CEQA. El EIR describirá la naturaleza y extensión de los impactos ambientales del proyecto SOCRE y sus alternativas, y discutiría las medidas de mitigación para impactos adversos.

Esta NOP será distribuida para la revisión del público a partir del 9 de enero de 2013 y el período de recepción de comentarios durará hasta el 8 de febrero de 2013 a las 5:00 p.m. Se realizarán dos reuniones de determinación del alcance para recibir comentarios.

Descripción del Proyecto:
Los componentes del proyecto SOCRE incluirían:

1. Reconstrucción y mejora de la Subestación Capistrano existente (138/12 kilovoltios, aislada con aire y de 2 acres de superficie) por una nueva subestación aislada a gas de 230/138/12 kilovoltios (6.4 acres de superficie), llamada Subestación San Juan Capistrano;
2. Reemplazo de un segmento existente de línea de transmisión de circuito simple de 138 kilovoltios entre las Subestaciones Talega y Capistrano, por una nueva línea de transmisión de doble circuito de 230 kilovoltios y 7,5 millas de longitud; así como la reubicación de varios segmentos de transmisión y distribución (2 millas en total) ubicados cerca de ambas subestaciones para incorporar la nueva línea de 230 kilovoltios propuesta; y
3. Reubicación de 6 millas de una línea de distribución de 12 kilovoltios, tanto en conductos subterráneos nuevos y existentes, como en nuevas estructuras aéreas, desde la Subestación San Juan Capistrano hasta el Relleno Sanitario Prima Deschecha.

Se removerían aproximadamente 140 estructuras de líneas de transmisión y distribución, mientras que un estimado de 120 nuevas estructuras se instalarían como parte del proyecto. Así mismo, aproximadamente 0,3 millas de nuevo derecho de paso serían adquiridos por SDG&E. Se estima que la construcción del proyecto SOCRE comenzaría en Noviembre de 2013 y tendría una duración aproximada de 4 años.

Los componentes del proyecto SOCRE estarían ubicados principalmente en derechos de paso existentes que son propiedad de SDG&E en las ciudades de San Juan Capistrano y San Clemente, así como en áreas no incorporadas de los Condados de Orange y San Diego. La línea existente de 138 kilovoltios que sería reemplazada por la nueva línea de doble circuito de 230 kilovoltios cruza la Autopista Interestatal 5 al este de la Subestación Capistrano y luego continúa en dirección Sureste hacia el desarrollo residencial Rancho San Juan y el Relleno Sanitario Prima Deschecha. Desde allí, la línea de transmisión continúa en dirección Sureste a través de la Ciudad de San Clemente y áreas no incorporadas de los Condados de Orange y San Diego hasta llegar a la Subestación Talega, ubicada dentro del Campamento Base Pendleton de la Infantería de Marina en el Condado de San Diego.

Proceso de Determinación del Alcance y Reuniones Públicas
La publicación de esta NOP inicia el proceso de divulgación pública y recepción de comentarios sobre el alcance del EIR, el cual comienza el 9 de enero de 2013 y culmina el 8 de febrero de 2013 a las 5:00 p.m. Todos los interesados, incluyendo el público, agencias responsables y administradoras, están invitados a presentar sus comentarios sobre el proyecto SOCRE y el alcance del EIR.

La CPUC invita cordialmente a los interesados a participar en las siguientes reuniones públicas de determinación del alcance para el proyecto SOCRE, con la finalidad de aprender más sobre el proyecto, hacer preguntas y ofrecer comentarios:

Miércoles 23 de enero, 2013, **San Juan Capistrano Community Hall**, 25925 Camino Del Avión, San Juan Capistrano, CA 92675. Recepción General: 6:30 p.m. a 7:00 p.m. Presentación y Sesión de Comentarios del Público: 7:00 p.m.

Jueves 24 de enero, 2013, **Bella Collina Towne and Golf Club**, 200 Avenida La Pata, San Clemente, CA 92673. Recepción General: 6:30 p.m. a 7:00 p.m. Presentación y Sesión de Comentarios del Público: 7:00 p.m.

Los comentarios al alcance también se pueden enviar a la CPUC por escrito por medio de correo postal, fax, o correo electrónico durante el período de recepción de comentarios especificado anteriormente. Por favor incluya el nombre, dirección postal y número telefónico de la persona interesada en recibir correspondencia a futuro sobre el EIR. Puede enviar sus comentarios por correo postal a:

Andrew Barnsdale, California Public Utilities Commission
RE: SOCRE Project, c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300, San Francisco, CA 94111

Los comentarios también pueden ser enviados a través de correo electrónico a: SOCRE.CEQA@ene.com o mediante fax al (415) 398-5326. Igualmente, se recibirán mensajes de voz en el siguiente número telefónico: (855) 520-6799. Las agencias públicas, organizaciones y personas interesadas tendrán una oportunidad adicional de comentar durante el período de consulta pública de 45 días que se realizará después de la publicación y divulgación del EIR Preliminar.

Información sobre el proyecto SOCRE y el proceso CEQA se encuentra disponible en el sitio de Internet del proyecto de la CPUC: <http://tinyurl.com/elsee4g>.

PROOF OF PUBLICATION (2010 & 2011 C.C.P.)

STATE OF CALIFORNIA County of San Diego

I am a citizen of the United States and a resident of the County aforesaid: I am over the age of eighteen years and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of

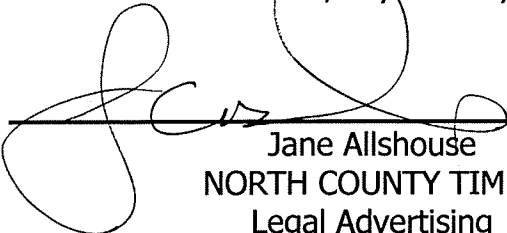
North County Times

Formerly known as the Blade-Citizen and The Times-Advocate and which newspapers have been adjudicated newspapers of general circulation by the Superior Court of the County of San Diego, State of California, for the City of Oceanside and the City of Escondido, Court Decree number 171349, for the County of San Diego, that the notice of which the annexed is a printed copy (set in type not smaller than nonpariel), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

January 09th, 2013

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at **Escondido**, California
On This 09th, day January 2013


Jane Allshouse
NORTH COUNTY TIMES
Legal Advertising

Notice of Preparation of an Environmental Impact Report And Notice of Public Scoping Meetings for the South Orange County Reliability Enhancement Project

Proposed to San Diego Gas and Electric Company
Application No. A.12-05-020

California Public Utilities Commission, EIR Project Manager:
Andrew Barnsdale

Si usted necesita más información o una copia de este documento en español, por favor, llame al (855) 520-6799 o visite la siguiente página Web. <http://tinyurl.com/clsee4g>

San Diego Gas and Electric Company (SDG&E) filed an application for a Certificate of Public Convenience and Necessity (CPCN) with the California Public Utilities Commission (CPUC) for the South Orange County Reliability Enhancement project (SOCRE project) to rebuild and upgrade a portion of its transmission infrastructure in South Orange County. The CPUC is conducting an environmental review of the project pursuant to the California Environmental Quality Act (CEQA).

This Notice indicates the CPUC's intent to prepare an Environmental Impact Report (EIR) in accordance with CEQA. The EIR would describe the nature and extent of the environmental impacts of the SOCRE project and project alternatives, and would discuss mitigation measures for adverse impacts.

This Notice initiates a public review and comment period beginning January 9, 2013 and ending at 5:00 pm on February 8, 2013. Two scoping meetings will be held to receive comments, as described below.

Project Description:

The project would involve:

1. Rebuilding and upgrading the existing 138/12-kV air-insulated Capistrano Substation (2 acres) as a 230/138/12-kV gas-insulated substation (6.4 acres) called San Juan Capistrano Substation;
2. Replacing a segment of a single-circuit 138-kV transmission line between the Talega and Capistrano substations with a new double-circuit 230-kV transmission line (7.5 miles), and relocating several transmission and distribution line segments (2 miles, combined) located near the two substations to accommodate the proposed 230-kV line; and
3. Relocating a 12-kV distribution line into new and existing underground conduit and overhead on new structures from the proposed San Juan Capistrano Substation to Prima Deschecha Landfill (6 miles).

Approximately 0.30 miles of new right-of-way (ROW) would be acquired by SDG&E for the proposed transmission lines. Approximately 140 transmission and distribution line structures would be removed and approximately 120 would be installed. Construction of the SOCRE project is anticipated to begin in November 2013 and would take approximately 4 years.

The components of the SOCRE project would be primarily located in existing SDG&E ROW within the cities of San Juan Capistrano and San Clemente as well as unincorporated Orange and San Diego counties. The existing 138-kV transmission line, which would be replaced by the proposed double-circuit 230-kV transmission line, crosses Interstate 5 east of the Capistrano Substation, and then continues southeast to the Rancho San Juan residential development and Prima Deschecha Landfill. From there, the transmission line continues southeast through the City of San Clemente and unincorporated Orange and San Diego counties to the Talega Substation, located within U.S. Marine Corps Base Camp Pendleton and San Diego County.

Public Comment Period and Public Scoping Meetings:

Circulation of this NOP opens a public review and comment period on the scope of the CEQA document that begins on January 9, 2013 and ends on February 8, 2013 at 5:00 p.m. The CPUC invites interested parties to the following public scoping meetings for the SOCRE project in order to learn more about the project, ask questions, and submit comments:

Wednesday, January 23, 2013, at the **San Juan Capistrano Community Hall**, 25925 Camino Del Avion, San Juan Capistrano, CA 92675. Open House: 6:30 p.m. to 7:00 p.m. Presentation and Public Comment Session: 7:00 p.m.

Thursday, January 24, 2013, at the **Bella Collina Towne and Golf Club**, 200 Avenida La Pata, San Clemente, CA 92673. Open House: 6:30 p.m. to 7:00 p.m. Presentation and Public Comment Session: 7:00 p.m.

Written scoping comments may also be mailed, faxed, or emailed to the CPUC during the comment period specified above. Please include a name, address, and telephone number of a person who can receive future correspondence regarding the EIR. Please send your comments to:

Andrew Barnsdale, California Public Utilities Commission
RE: SOCRE Project, c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300, San Francisco, CA 94111

Emailed comments may be sent to: SOCRE.CEQA@ene.com.
Faxed comments may be sent to (415) 398-5326. Voice messages may be left at: (855) 520-6799.

Following the public comment period on the NOP, the CPUC will prepare a Draft EIR. Public meetings will also be held following release of the Draft EIR.

Information about the SOCRE project and the CEQA process is available on the CPUC's project website: <http://tinyurl.com/clsee4g>.
Pub: 01/09/2013

AFFIDAVIT OF PUBLICATION

STATE OF CALIFORNIA,)
) ss.
County of Orange)

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of **The Orange County Register**, a newspaper of general circulation, published in the city of Santa Ana, County of Orange, and which newspaper has been adjudged to be a newspaper of general circulation by the Superior Court of the County of Orange, State of California, under the date of November 19, 1905, Case No. A-21046, that the notice, of which the annexed is a true printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

January 9, 2013

"I certify (or declare) under the penalty of perjury under the laws of the State of California that the foregoing is true and correct":

Executed at Santa Ana, Orange County, California, on

Date: **January 9, 2013**


Signature

The Orange County Register
625 N. Grand Ave.
Santa Ana, CA 92701
(714) 796-2209

PROOF OF PUBLICATION

Notice of Preparation of an Environmental Impact Report And Notice of Public Scoping Meetings for the South Orange County Reliability Enhancement Project

Proposed to San Diego Gas and Electric Company
Application No. A.12-05-020

California Public Utilities Commission, EIR Project Manager: Andrew Barnsdale

Si usted necesita más información o una copia de este documento en español, por favor, llame al (855) 520-6799 o visite la siguiente página Web. <http://tinyurl.com/clsee4g>

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The components of the SOCRE project would be primarily located in existing SDG&E ROW within the cities of San Juan Capistrano and San Clemente as well as unincorporated Orange and San Diego counties. The existing 138-kV transmission line, which would be replaced by the proposed double-circuit 230-kV transmission line, crosses Interstate 5 east of the Capistrano Substation, and then continues southeast to the Rancho San Juan residential development and Prima Deschecha Landfill. From there, the transmission line continues southeast through the City of San Clemente and unincorporated Orange and San Diego counties to the Talega Substation, located within U.S. Marine Corps Base Camp Pendleton and San Diego County.

Public Comment Period and Public Scoping Meetings:

Circulation of this NOP opens a public review and comment period on the scope of the CEQA document that begins on January 9, 2013 and ends on February 8, 2013 at 5:00 p.m. The CPUC invites interested parties to the following public scoping meetings for the SOCRE project in order to learn more about the project, ask questions, and submit comments:

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Written scoping comments may also be mailed, faxed, or emailed to the CPUC during the comment period specified above. Please include a name, address, and telephone number of a person who can receive future correspondence regarding the EIR. Please send your comments to:

Andrew Barnsdale, California Public Utilities Commission
RE: SOCRE Project, c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300, San Francisco, CA 94111

Emailed comments may be sent to:
SOCRE.CEQA@ene.com. Faxed comments may be sent to
(415) 398-5326. Voice messages may be left at: (855) 520-
6799.

Following the public comment period on the NOP, the
CPUC will prepare a Draft EIR. Public meetings will also be
held following release of the Draft EIR.

Information about the SOCRE project and the CEQA pro-
cess is available on the CPUC's project website:
<http://tinyurl.com/clsee4g>.

Publish: Orange County Register
January 9, 2013 R-20 9559584

C

Notice of Scoping Extension

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— Extension of Public Review Period — Notice of Preparation of an EIR for the SOCRE Project

To: All Interested Parties for the South Orange County Reliability Enhancement (SOCRE) Project proposed by SDG&E (CPUC CPCN Application A.12-05-020)

From: Andrew Barnsdale, CPUC, EIR Project Manager

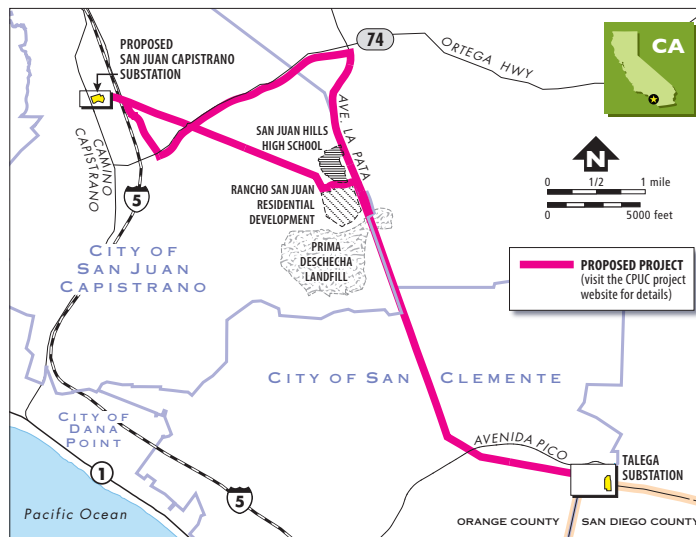
For more information or to submit comments...

Email: SOCRE.CEQA@ene.com **Hotline:** (855) 520-6799

Mail: Attn: Andrew Barnsdale, California Public Utilities Commission,
re: SOCRE Project, 505 Sansome Street, #300, San Francisco, CA 94111

On January 9, 2013, the California Public Utilities Commission (CPUC) published and circulated a Notice of Preparation (NOP) of an Environmental Impact Report for the South Orange County Reliability Enhancement (SOCRE) Project proposed by SDG&E for public review and comment. On February 6, 2013, the CPUC received a request to extend the NOP comment period beyond the original 30 days. **In response, the CPUC has decided to extend the public comment period by 14 days to February 22, 2013.**

To learn about the project or environmental review process, or to find out how to submit comments, search on Google for "SOCRE Project CPUC," and click on the link to the CPUC's project website.





California Public Utilities Commission

c/o Ecology & Environment, Inc.
505 Sansome Street – Suite 300
San Francisco, CA 94111

D

Scoping Meeting Materials

- D.1 Registration Sheets
- D.2 Example Speaker Card
- D.3 Example Written Comment Sheet
- D.4 Project Fact Sheets
- D.5 Scoping Meeting PowerPoint Presentation

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**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Scoping Meeting For the Proposed South Orange County Reliability Enhancement (SOCRE) Project
San Juan Capistrano, January 23, 2013
Reunión Pública del Proyecto Propuesto SOCRE, San Juan Capistrano, 23 de enero de 2013.

Note: Before including your address, telephone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment, including your personal identifying information, may be made publicly available at any time. While you may ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from individuals identifying themselves as representatives or officials of organizations or businesses will be made available for public inspection in their entirety.

Nota: Antes de añadir su dirección de postal, número de teléfono, dirección del correo electrónico, u otra información personal en su comentario, usted debe tomar en cuenta que su comentario entero, incluyendo identificación personal, pudiera estar disponible al público en cualquier momento. Aun cuando usted puede solicitarnos en su comentario que se mantenga su información de identificación personal como confidencial para la revisión pública, no podemos garantizar que estaremos en capacidad de hacerlo. Todos los comentarios de individuos que se identifiquen como representantes o funcionarios de organizaciones o empresas estarán completamente disponibles para inspección del público.

Name/Nombre	Affiliation/Organización	Address/Dirección	Email/Correo electrónico	Request CD of Draft EIR?/Petición para CD del Documento Preliminar de EIR
BARBARA THOMAS	KEENA THOMAS COMMUNICATIONS	20532 EL TORO Rd. STE 210A MISSION VILLAGO CA 92692		
Rebecca Giles	SUCOE	San Diego		
Elizabeth Stocks	SJC Resident	31102 VIA EL ROSARIO SJC	estocks@cox.net	yes
Rhen Kohan	SJC Homeowner	31061 Via Santo Tomas SJC 92675	rhenKohan@cox.net	yes

Note: Before including your address, telephone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment, including your personal identifying information, may be made publicly available at any time. While you may ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from individuals identifying themselves as representatives or officials of organizations or businesses will be made available for public inspection in their entirety.

Nota: Antes de añadir su dirección de postal, número de teléfono, dirección del correo electrónico, u otra información personal en su comentario, usted debe tomar en cuenta que su comentario entero, incluyendo identificación personal, pudiera estar disponible al público en cualquier momento. Aun cuando usted puede solicitarnos en su comentario que se mantenga su información de identificación personal como confidencial para la revisión pública, no podemos garantizar que estaremos en capacidad de hacerlo. Todos los comentarios de individuos que se identifiquen como representantes o funcionarios de organizaciones o empresas estarán completamente disponibles para inspección del público.

Name/Nombre	Affiliation/Organización	Address/Dirección	Email/Correo electrónico	Request CD of Draft EIR?/Petición para CD del Documento Preliminar de EIR
JONATHAN VOLZKE		26782 Via EL SOCORRO, SJC, CA 92015	JVOLZKE@gmail.com	X
Robert Cardoza	SJC Aesthetics Com. Design Review Com	27742 Paseo Barana, SJC 92075	rcardoza@nuvis.net	X
Kathleen Petersen	Las Brisas HOA	31121 VIA SANTO TOMAS SJC 92095	KTPetersen@MSN	X
ILSE Byrnes		P.O. 1029 SJC		
Michael Doyle	HOME OWNER	27401 Via Priorato SJC, 92075	ceiri@cox.net	X
SHEA REITER	HOME OWNER	27762 ANTONIO PKWY LAOLERA RANCH, CA 92094	shea.reiter@stryker.com	X

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Name/Nombre	Affiliation/Organización	Address/Dirección	Email/Correo electrónico	Request CD of Draft EIR?/ Petición para CD del Documento Preliminar de EIR
Beth Apodas	CSRP	642 calle Vicente San Clemente	bapodaca20@cox.net	NO
WILLIAM RAMSEY	SJC CITY	32400 PASEO ADELANTO SAN JUAN CAP. 92675	BRAMSEY@SANJUANCAP-ISTRANO.ORG	YES.
DORIN REAGAN		23 CAULE CANEVA SAN CLEMENTE 92673	doreag@yahoo.com	NO
Joe Anderson	CSRP	1804 Ave. Salvador San Clemente 92672	jkamaa@cox.net	NO
David Tieu	OC WR	300 N. Flower St. Suite 400 Santa Ana, CA 92703	david.tieu@ocwr.org	NO

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John Taylor		31661 Los Rios St. San Juan Capistrano	jtaylor@sanjuan-capistrano.org	yes
			blochrie@faodelpublicaffairs.com	
CARRIE MILLER				
IAN CHRISTIE	SOLAR-TEC		ian@solar-tec.com	

**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Scoping Meeting For the Proposed South Orange County Reliability Enhancement (SOCRE) Project
San Juan Capistrano, January 23, 2013
Reunión Pública del Proyecto Propuesto SOCRE, San Juan Capistrano, 23 de enero de 2013.

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Name/Nombre	Affiliation/Organización	Address/Dirección	Email/Correo electrónico	Request CD of Draft EIR?/Petición para CD del Documento Preliminar de EIR
RON + BRENDA NORD		26721 VIA EL SOCORRO	RNBN39@YAHOO.COM	
Josh Taylor	TRC	23 Tehday Drive	jtaylor@trcsolutions.com	
Jody (Vaughn)	3RD ASSEMBLY DISTRICT/HARVEY		jody.vaughn@asm.ca.gov	1
Harry Persaud	County / OIT	300 N Phewer St SA	Harry.persaud@ocpuw.ocgov.ca	

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Name/Nombre	Affiliation/Organización	Address/Dirección	Email/Correo electrónico	Request CD of Draft EIR?/Petición para CD del Documento Preliminar de EIR
RICHARD STEIN	RESIDENT	27677 PASO ALONDA SJC 92675	ricktheater@cox.net	
Hans Van Ligten	City Attorney City of SJC	611 Anton Blvd Suite 1400 Costa Mesa CA 92626	hvanligten@rutan.com	X
Kim Letner	RESIDENT	31182 HARMONY HALL SJC, CA 92675	KLETNER@COX.NET	

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Somma Varma	304 Chamber			
BRIAN Lochrie				
ADAM TOWNSEND	Patch.com Orange County		adam.townsend@patch.com	
MARK SPEROS	MARK SPEROS @KERR-ENGINEERING.COM	27136 PASEO ESPADA #122 SJC, CA 92675		
IAN CHRISTIE	ian@solar-tec.com SOLAR-TEC SYS INC	33171 Paseo Central 224 SJC 92675	iane@solar-tec.com	
John Whitman	South Orange Co. Economic Coalition	301 Mission Ave Oceanside, CA		

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Name/Nombre	Affiliation/Organización	Address/Dirección	Email/Correo electrónico	Request CD of Draft EIR?/ Petición para CD del Documento Preliminar de EIR
Carel Kohler		22 Via Villena St.		
Chris Krause	resident	28371 Paseo Estable	SJC	
PATRICE ROBERT	RESIDENT	31112 VIA SANTO TOMA	SJC	
Derek Newman	Resident	29250 Via Zamora	SJC	
Larry Krause	SJC	28371 Paseo Est.	SJC	✓
Grant Taylor	SJC	32400 Paseo Adelante	SJC	✓
CARRIE MILLER				

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John Gilotti	Downtown Business Mission Grill	31721 CAMINO CAPISTRANO	J.gilotti@missiongrillsje.com	
ALVIN EBERG		26501 PASO PABLO		
Michelle Newcomer	Resident	29250 VIA ZAMORA SJC CA 92675	trngnewcomer@yahoo.com	
Cruz Mendoza		26702 Calle La Bomba SJC		✓
Laura Freese	Residents Bizowner; Down Town Plan	26332 Paseo Toscana SJC 92675	Laurasfreese@yahoo.com	
STEVE BEHMERWOODS	NA		NSY701K@TAD100	✓
KATHLEEN CRUM	CAA PLANNING	65 ENTERPRISE SUITE 130 ALISO VIEJO CA 92656	KCRUM@CAAPLANNING.COM	✓

NAME/NOMBRE:

AFFILIATION/ORGANIZACIÓN:

**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Scoping meeting for the Proposed South Orange County
Reliability Enhancement (SOCRE) Project
San Juan Capistrano, January 23, 2013

Reunión pública del proyecto propuesto SOCRE
San Juan Capistrano, 23 de enero de 2013

**REQUEST TO SPEAK
PETICIÓN PARA HABLAR**

NAME/NOMBRE:

AFFILIATION/ORGANIZACIÓN:

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Public Scoping meeting for the Proposed South Orange County
Reliability Enhancement (SOCRE) Project
Bella Collina Towne and Golf Club, January 24, 2013

Reunión pública del proyecto propuesto SOCRE
Bella Collina Towne Golf Club, 24 de enero de 2013

**REQUEST TO SPEAK
PETICIÓN PARA HABLAR**

NAME/NOMBRE:

AFFILIATION/ORGANIZACIÓN:

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Comisión de Servicios Públicos de California**

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Bella Collina Towne and Golf Club, January 24, 2013

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Bella Collina Towne Golf Club, January 24, 2013

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Bella Collina Towne and Golf Club, 24 de enero de 2013

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Bella Collina Towne Golf Club, January 24, 2013

Reunión pública del proyecto propuesto SOCRE
Bella Collina Towne and Golf Club, 24 de enero de 2013

**REQUEST TO SPEAK
PETICIÓN PARA HABLAR**

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**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Meeting on the Draft EIR for the Proposed South Orange County Reliability Enhancement Project
Bella Collina Towne and Golf Club, January 24, 2013
Reunión Pública del Proyecto Propuesto SOCRE, Bella Collina Towne and Golf Club, 24 de enero de 2013.

Thank you for participating in tonight's public meeting. We would like to hear your comments.
Gracias por su participación en la reunión pública esta noche. Queremos oír sus comentarios.

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Name/Nombre: _____

Affiliation/Organización: _____

Phone/Teléfono: _____ Email/Correo electrónico: _____

Address/Dirección: _____

COMMENTS/COMENTARIOS

**Comments must be received by February 8, 2013
Los comentarios serán recibidos hasta el 8 de febrero de 2013**

Send comments to/ Envíe sus comentarios a: Andrew Barnsdale, California Public Utilities Commission
Re: SOCRE Project, c/o Ecology and Environment, Inc.,
505 Sansome Street, Suite 300, San Francisco, CA 94111
Fax: (415) 398-5326 Project Voicemail/Línea de atención al usuario: 855-520-6799 email/ Correo electrónico:
SOCRE.CEQA@ene.com

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SOCRE.CEQA@ene.com



South Orange County Reliability Enhancement Project

Project Overview

San Diego Gas & Electric (SDG&E) is seeking to improve the reliability of the electrical system and accommodate anticipated growth in South Orange County. To meet these goals, SDG&E proposes to construct the South Orange County Reliability Enhancement (SOCRE) project. The SOCRE project would include:

- Replacing SDG&E's existing Capistrano electrical substation, located in San Juan Capistrano, with a new, gas-insulated substation to modernize aging equipment and increase capacity.
- Replacing a segment of SDG&E's 138-kV electrical transmission line that runs from the existing Capistrano substation to the Talega Substation with a double-circuit 230-kV transmission line, and relocating several distribution lines between the two substations. This would involve the removal of about 140 transmission and distribution line structures, installation of about 120 structures, and installation of new electric lines on both above-ground poles and underground conduits.
- Modification of infrastructure at the Talega Substation, on Marine Corps Base Camp Pendleton in northern San Diego County.

SDG&E has submitted an application for a project permit to the California Public Utilities Commission (CPUC). If the project is approved, construction could begin in November, 2013 and would take place over a four year period. Maps on the other side of this fact sheet show where the elements of the project would be constructed.

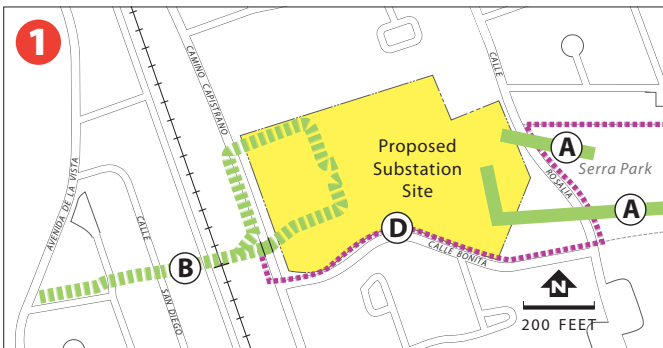
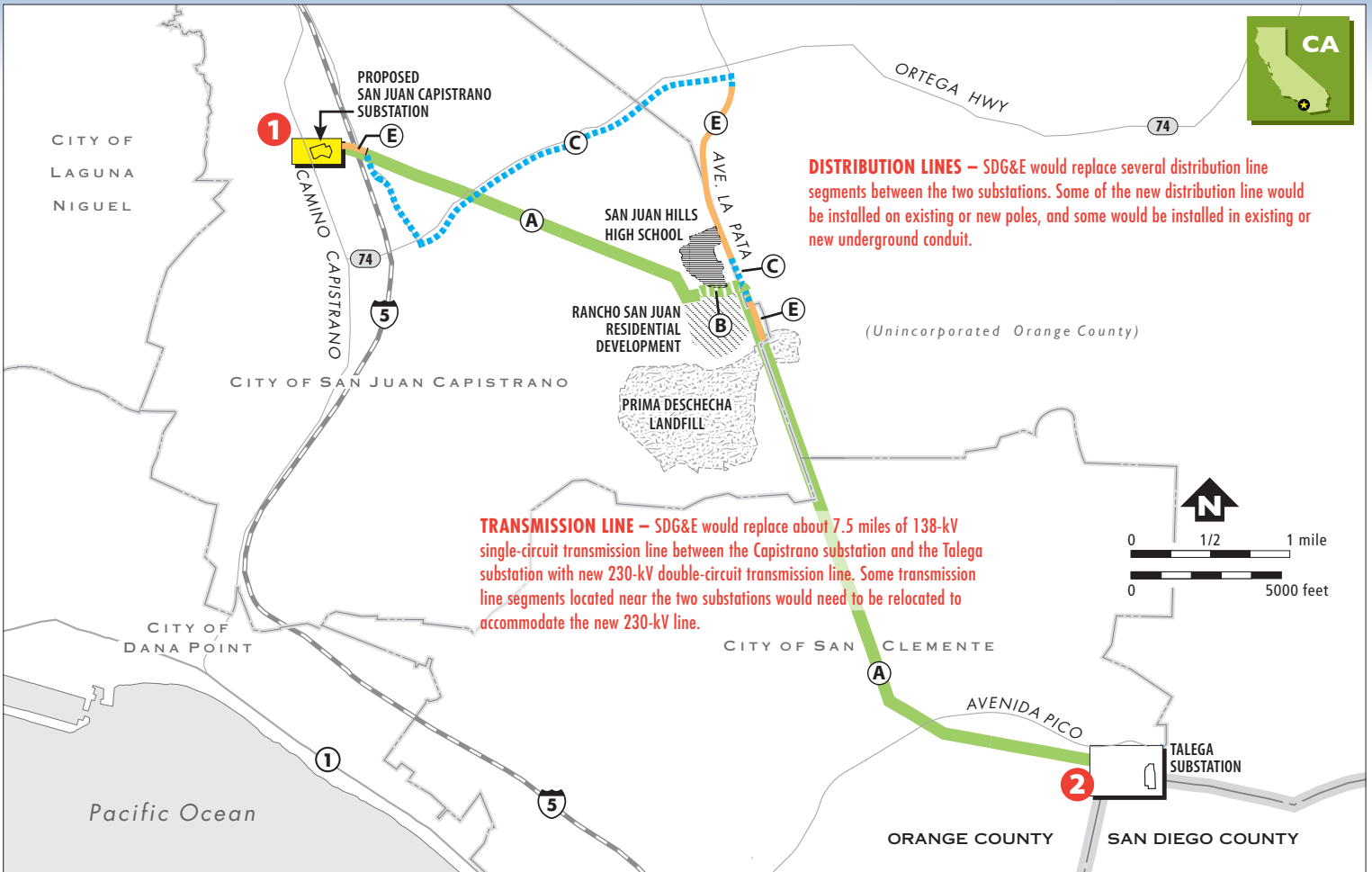
Environmental Impact Assessment

The CPUC will review SDG&E's project application and consider whether the project is needed and is in the public interest. Under the California Environmental Quality Act (CEQA), the CPUC is also required to evaluate the SOCRE project's potential impacts to the environment. At the same time the CPUC is reviewing the project application, the CPUC will also prepare an Environmental Impact Report (EIR) for the project consistent with CEQA. The public will have opportunities throughout the EIR process to learn about and comment on the proposed project and its environmental impacts.

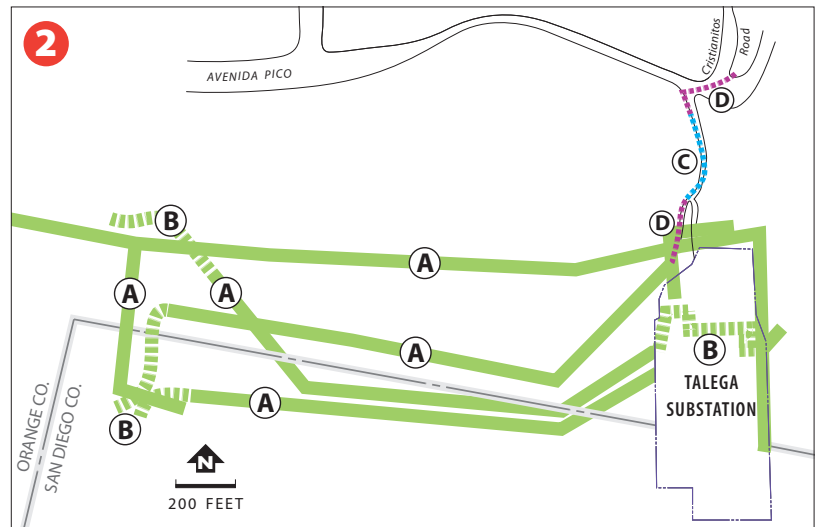
Public Involvement

The CPUC would like to know your views on the project, and invites you to submit comments about what might need to be included in the environmental analysis. Comments may be mailed, emailed, or communicated verbally at one of two public meetings or on the CPUC's hotline for the project (information provided below). All comments must be postmarked by February 8, 2013. Once the public review period ends, the CPUC will review all comments received during the scoping process and prepare the Draft EIR, which will be circulated for review and further comment.





SDG&E would replace the existing, 2-acre air-insulated Capistrano Substation with a gas-insulated substation about 6.4 acres in size, which would be known as the **SAN JUAN CAPISTRANO SUBSTATION**. The existing, 138/12-kV substation, which was constructed in the 1960s, would be modernized and replaced with a 230/138/12-kV substation, to improve operational safety while also upgrading capacity.



SDG&E would upgrade portions of the **TALEGA SUBSTATION** and associated electrical infrastructure located within U.S. Marine Corps Base Camp Pendleton and San Diego County.

For more information...

Email: SOCRE.CEQA@ene.com
Mail: Attn: Andrew Barnsdale
 California Public Utilities Commission
 Re: SOCRE Project, 505 Sansome Street #300
 San Francisco, CA 94111
Fax: (415) 398-5326
Hotline: (855) 520-6799

A	Proposed transmission line (overhead on new structures)
B	Proposed underground transmission line (new conduit)*
C	Proposed underground distribution line (existing conduit)
D	Proposed underground distribution line (new conduit)
E	Proposed distribution line (overhead on new structures)

* Conduit would include new underground distribution line in some areas, or new underground distribution line would be adjacent and cannot be shown at this scale.



Mejora de Confiabilidad al Sur del Condado de Orange

Información General sobre el Proyecto

San Diego Gas & Electric (SDG&E) está buscando la manera de mejorar la confiabilidad del sistema eléctrico y acomodar el crecimiento que se anticipa en el Sur del Condado de Orange. Para lograr estas metas, SDG&E propone construir el Proyecto "Mejora de Confiabilidad al Sur del Condado de Orange" (conocido como el proyecto SOCRE). El proyecto SOCRE incluiría lo siguiente:

- Reemplazo de la subestación eléctrica Capistrano de SDG&E existente, ubicada en San Juan Capistrano, por una nueva subestación aislada por gas para modernizar la maquinaria antigua y aumentar su capacidad.
- Reemplazo de un segmento existente de línea de transmisión de circuito simple de 138 kilovoltios entre las Subestaciones Capistrano y Talega, por una nueva línea de transmisión de doble circuito de 230 kilovoltios junto con el reemplazo de varias líneas de distribución entre las dos subestaciones. Esto requeriría remover aproximadamente 140 estructuras de transmisión y distribución, la instalación de aproximadamente 120 estructuras y la instalación de nuevas líneas eléctricas en estructuras aéreas y en conductos subterráneos.
- Actualización de la infraestructura en la subestación Talega, ubicada dentro del Campamento Base Pendleton de la Infantería de Marina en el norte del Condado de San Diego.

SDG&E introdujo una solicitud ante la Comisión de Servicios Públicos de California (CPUC, por sus siglas en inglés) para la obtención del permiso para realizar el proyecto. Si el proyecto se aprueba, la construcción podría comenzar en noviembre del

2013 y se realizaría durante un periodo de cuatro años. Los mapas que se muestran en la cara posterior de esta hoja informativa presentan los elementos del proyecto que serían construídos.

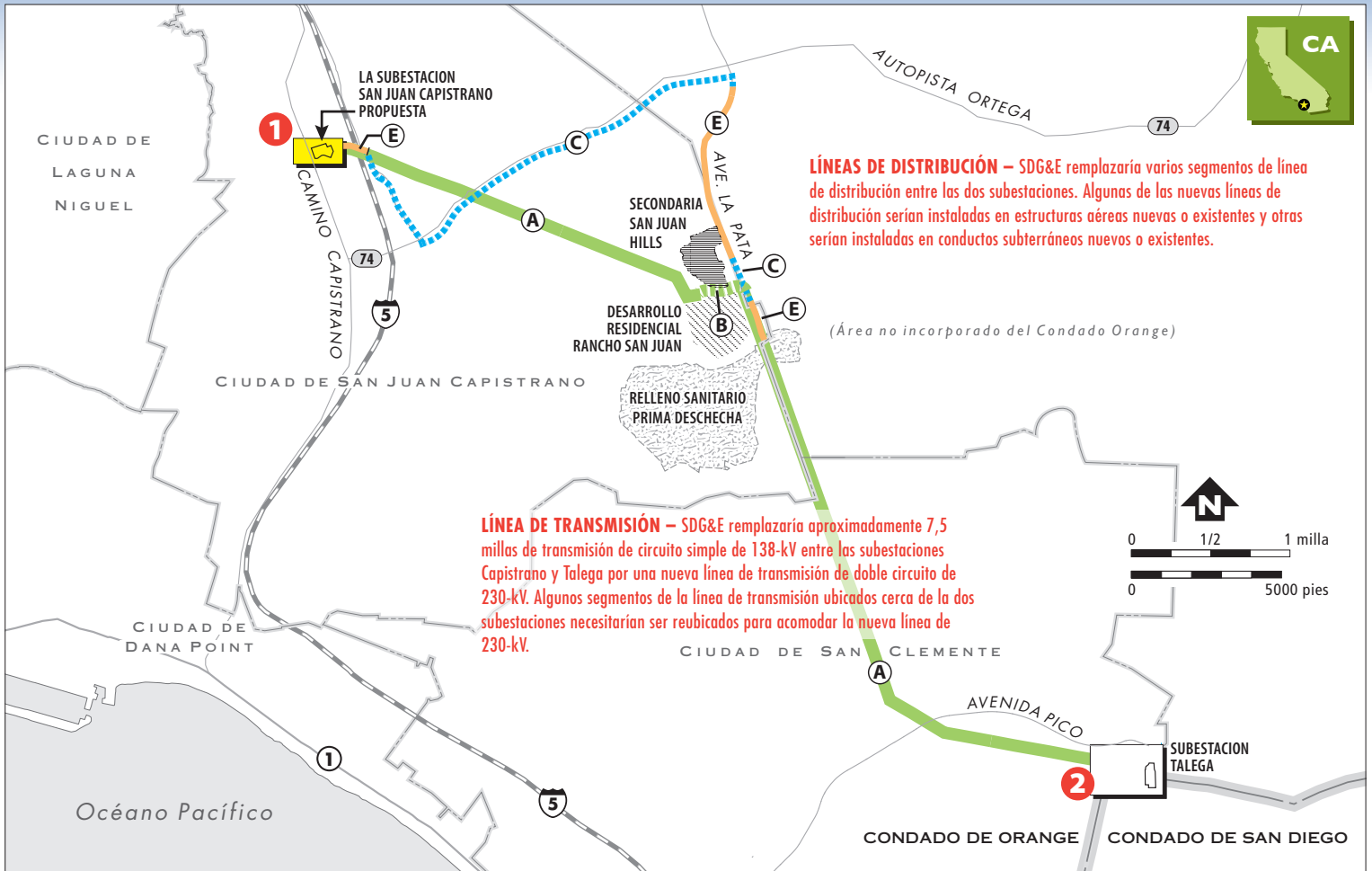
Evaluación de Impacto Ambiental

La CPUC revisará la solicitud del proyecto de SDG&E y considerará si el proyecto es necesario y si es de interés público. La Ley de Calidad Ambiental de California (CEQA, por sus siglas en inglés), requiere que la CPUC evalúe los impactos potenciales al medio ambiente que pudiera tener el proyecto SOCRE. La CPUC está revisando la solicitud del proyecto y a la misma vez está preparando un Informe de Impacto Ambiental (EIR por sus siglas en inglés) para asegurar que el proyecto sea consistente con la CEQA. A lo largo del proceso de EIR, el público tendrá oportunidades para aprender y comentar sobre el proyecto propuesto y sus impactos ambientales.

Participación del Público

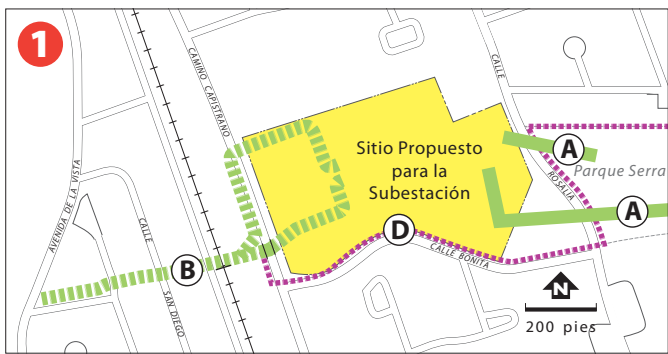
La CPUC quisiera saber sus opiniones sobre el proyecto y le invita a entregar sus comentarios sobre lo que sería necesario incluir en el análisis ambiental. Los comentarios se pueden enviar por correo postal, correo electrónico o verbalmente en una de las dos reuniones públicas o utilizando la línea de atención al público de la CPUC para este proyecto (se incluye información adicional que se muestran en la cara posterior de esta notificación). Todos los comentarios deben tener fechas de matasellos no posterior al 8 de febrero, 2013. Cuando culmine el periodo de revisión pública, la CPUC revisará todos los comentarios recibidos durante el proceso de consulta pública y preparará el borrador del EIR que se circulará para revisión y comentarios adicionales.



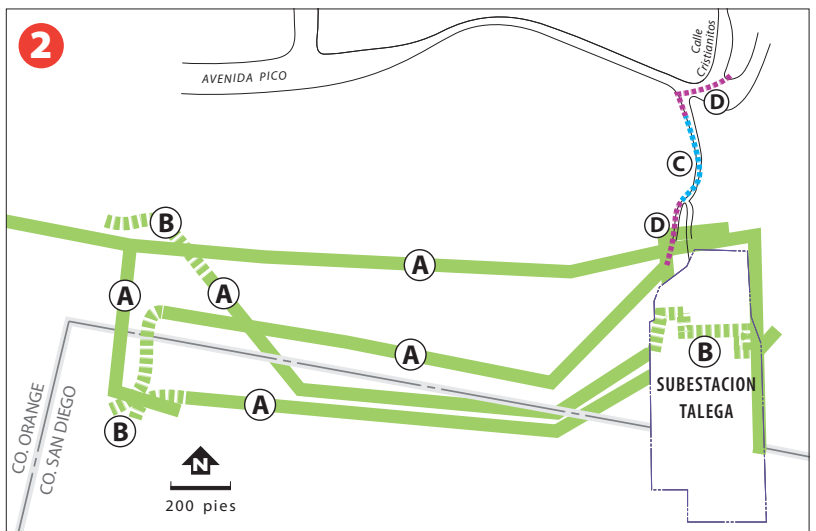


LÍNEAS DE DISTRIBUCIÓN – SDG&E reemplazaría varios segmentos de línea de distribución entre las dos subestaciones. Algunas de las nuevas líneas de distribución serían instaladas en estructuras aéreas nuevas o existentes y otras serían instaladas en conductos subterráneos nuevos o existentes.

LÍNEA DE TRANSMISIÓN – SDG&E reemplazaría aproximadamente 7,5 millas de transmisión de circuito simple de 138-kV entre las subestaciones Capistrano y Talega por una nueva línea de transmisión de doble circuito de 230-kV. Algunos segmentos de la línea de transmisión ubicados cerca de las subestaciones necesitarían ser reubicados para acomodar la nueva línea de 230-kV.



SDG&E reemplazaría la **SUBESTACIÓN CAPISTRANO** existente aislada por aire, la cual ocupa 2 acres, por una aislada por gas de 6.4 acres, la cual se llamaría la Subestación San Juan Capistrano. La subestación existente de 138/12-kilovoltios (kV), que fue construida en la década de 1960, sería modernizada y reemplazada con una estación de 230/138/12-kV para mejorar la seguridad operacional y asimismo actualizar la capacidad.



SDG&E actualizaría las partes de la **SUBESTACIÓN TALEGA** que estén relacionadas con la infraestructura eléctrica ubicada dentro del Campamento Base Pendleton de la Infantería de Marina en el norte del Condado de San Diego.

Para Información Adicional...

Correo electrónico: SOCRE.CEQA@ene.com

Correo postal: Attn: Andrew Barnsdale
California Public Utilities Commission
Re: SOCRE Project, 505 Sansome Street #300
San Francisco, CA 94111

Fax: (415) 398-5326

Línea de atención al público:
(855) 520-6799

A	Línea de transmisión propuesta (nuevas estructuras aéreas)
B	Línea de transmisión subterránea propuesta (conducto nuevo)*
C	Línea de distribución subterránea propuesta (conducto existente)
D	Línea de distribución subterránea propuesta (conducto nuevo)
E	Línea de distribución propuesta (nuevas estructuras aéreas)

* El conducto incluiría líneas de distribución subterránea nuevas en algunas áreas o la línea de distribución subterránea sería al lado y no se puede mostrar a esta escala.



South Orange County Reliability Enhancement Project

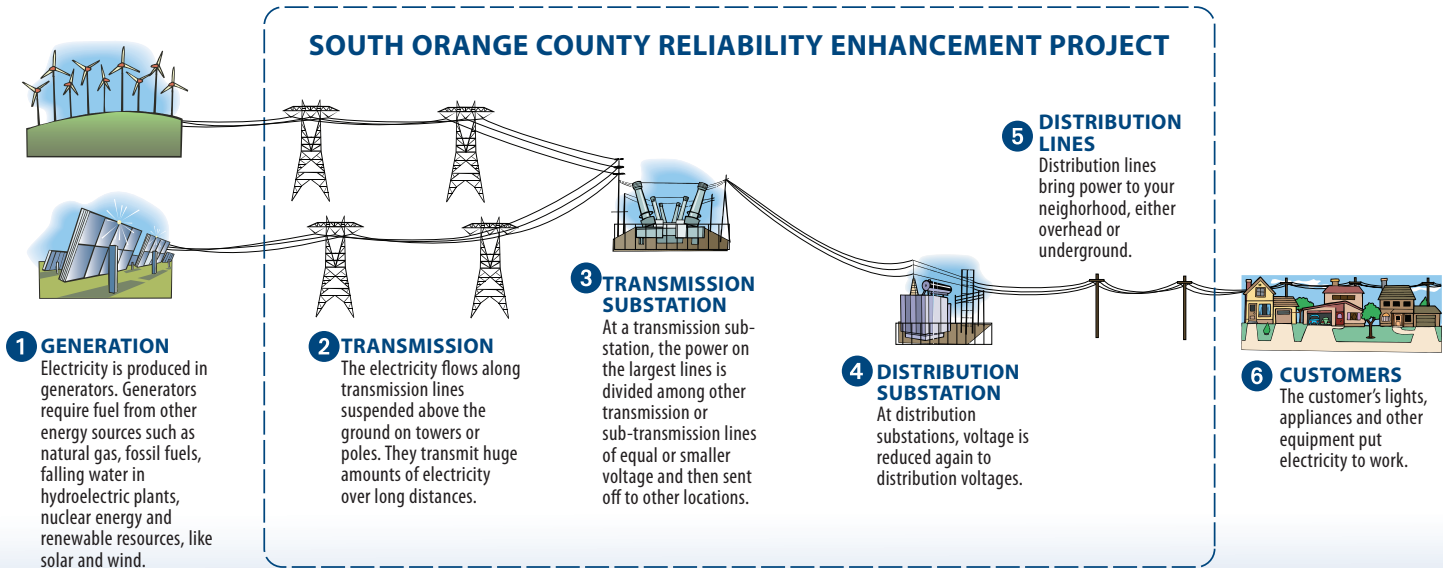
What is a Transmission Project?

Electric transmission systems deliver electricity from power generating facilities in remote locations to consumers and businesses in our communities. To deliver large quantities of power more efficiently, power is transmitted using high-voltage transmission lines from the power generating facility to a transmission substation. At the substation, transformers are used to lower the voltage and distribute the power through subtransmission lines or distribution lines. Distribution lines deliver power to individual consumers. Another typical component of transmission systems is the telecommunications system, which sends signals to nearby substations to help monitor for system safety and reliability.

The goal of San Diego Gas & Electric's South Orange County Reliability Enhancement Project is to improve the reliability and

capacity of the electrical transmission lines that run between the Capistrano and Talega substations, as well as upgrade the substations themselves. The project includes replacement of the existing Capistrano Substation, located in San Juan Capistrano, with a new, gas-insulated substation; replacement of a segment of San Diego Gas & Electric's 138-kilovolt electrical transmission line that runs from the Capistrano Substation to the Talega substation with a double-circuit 230-kilovolt transmission line; relocation of several distribution lines between the two substations; and upgrades to electrical infrastructure at the Talega Substation, on Marine Corps Base Camp Pendleton. About 140 transmission and distribution line support structures would be removed, and about 120 new support structures would be installed. If constructed, the project would help accommodate anticipated growth in South Orange County.

The Path of Electricity



Transmission Line Components

A key component of the South Orange County Reliability Enhancement Project is the transmission line, which is composed of transmission structures, conductors, insulators, circuits, ground wires, and communication lines.

The **transmission structure** is the most visible element of a transmission line. Although designs vary according to terrain conditions and height restrictions, common types of transmission structures include:

Lattice Steel Towers (LST), which consist of a steel framework that is bolted or welded together, and

Tubular Steel Poles (TSP), which are hollow steel poles consisting of 1, 2, or 3 pieces.

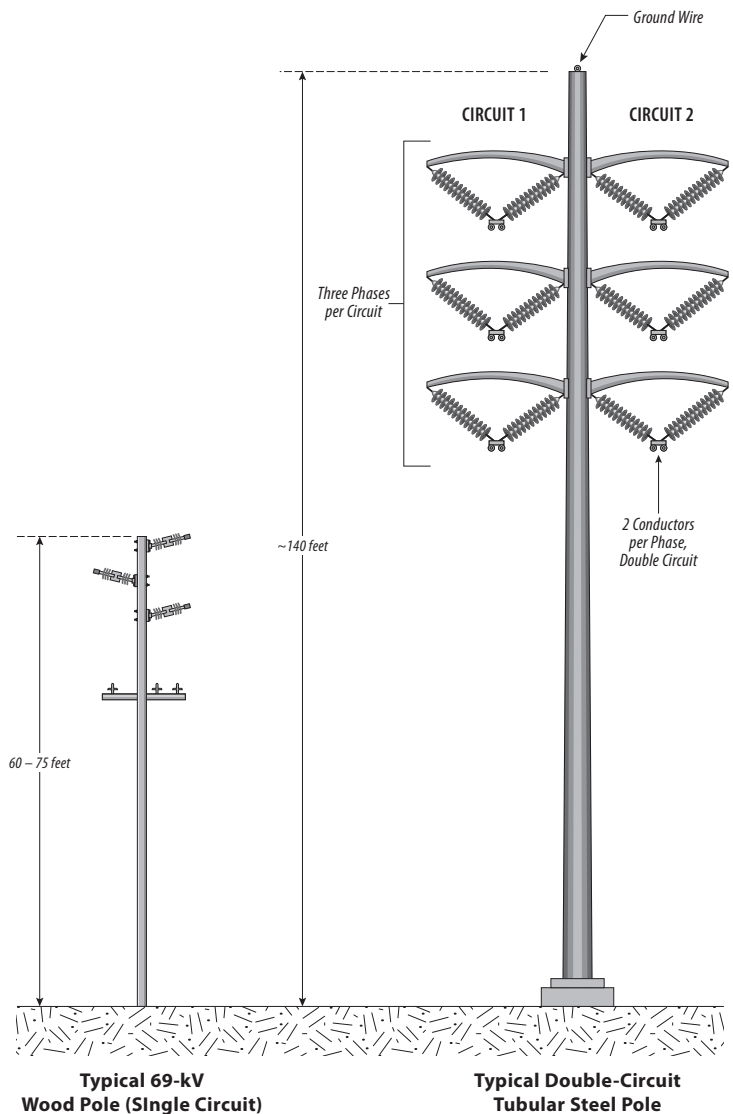
Conductors (i.e., "wires"), which conduct the electrical current, often consist of aluminum wires wrapped around a steel core for reinforcement. For public safety, conductors are connected to transmission structures typically via glass, porcelain, polymer, or silicon insulators to prevent transfer of the electrical current from the conductors to the structure.

Ground wires (also called "shield wires" or "earth wires") are placed along the tops of transmission structures to guard against lightning strikes. Ground wires may also contain a **fiber optic communication** line so that a signal can be directed to a nearby substation in the event of a problem along a portion of the line. The substation, using built-in mechanisms to detect problems along the line, can shut down sections of the line as necessary. In addition to being installed within ground wires, communication lines can be installed in separate locations.

Transmission lines contain circuits that consist of multiple conductors along which the electrical current flows. Transmission structures can be designed as single-circuit or double-circuit structures:

Single-circuit structures consist of 3 "phases." 3 phase circuit configuration can help reduce unwanted side-effects such as noise and radio interference. Each phase typically consists of only one conductor (i.e., "wire").

Double-circuit structures have two circuits per structure, each circuit also consisting of 3 phases. To increase the line's carrying capacity, each phase can consist of 2 or more bundled conductors.



For more information...

Email: SOCRE.CEQA@ene.com

Mail: Attn: Andrew Barnsdale
California Public Utilities Commission
Re: SOCRE Project, 505 Sansome Street #300
San Francisco, CA 94111

Fax: (415) 398-5326

Hotline: (855) 520-6799



Mejora de Confiabilidad al Sur del Condado de Orange

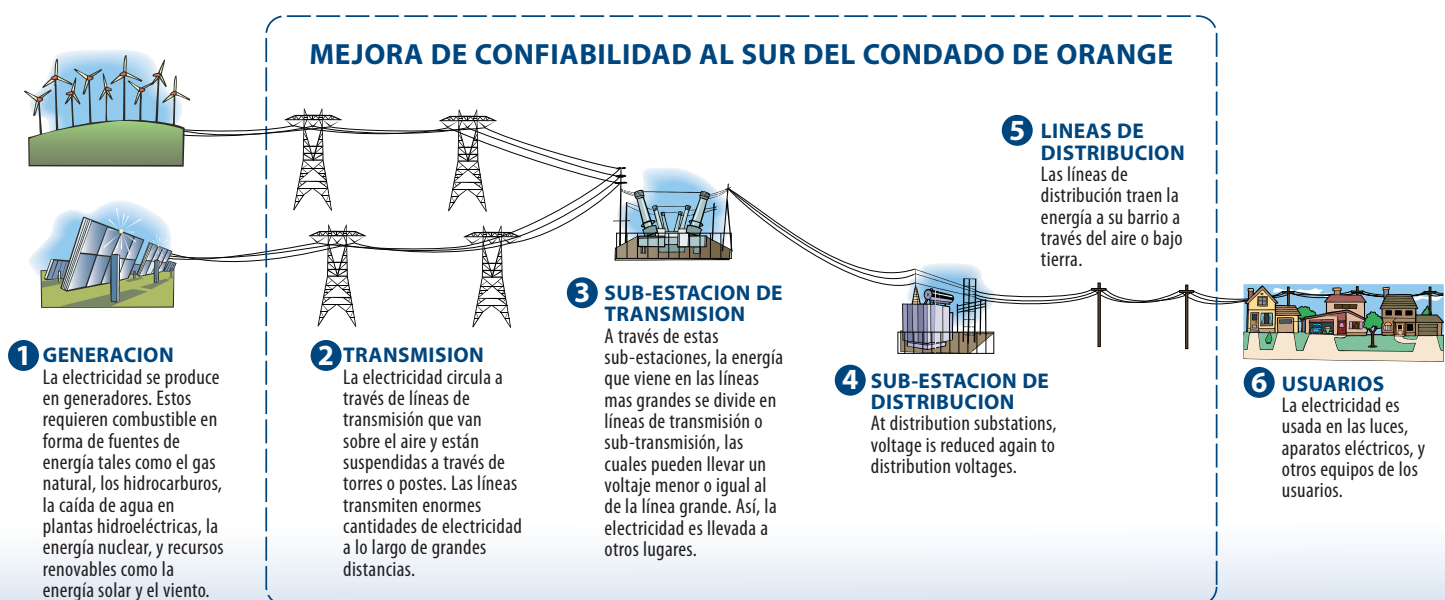
¿Qué es un proyecto de transmisión?

Los sistemas de transmisión eléctrica transportan electricidad desde plantas de generación de energía situadas en sitios remotos a usuarios y negocios en nuestras comunidades. Para transportar grandes cantidades de energía de forma más eficaz, la energía se transmite utilizando líneas de transmisión de alto voltaje desde la planta de generación de energía hasta una subestación de transmisión. Luego se utilizan transformadores dentro de esa subestación para disminuir el voltaje y distribuir la energía a través de líneas de sub-transmisión o a través de líneas de distribución. Las líneas de distribución transportan energía a usuarios individuales. Otro componente usual de un sistema de transmisión es el sistema de telecomunicaciones, el cual manda señales a subestaciones cercanas para ayudar en el monitoreo de la seguridad y confiabilidad del sistema.

La meta del proyecto de San Diego Gas & Electric, Mejora de Confiabilidad al Sur del Condado de Orange, es mejorar la

confiabilidad y capacidad de las líneas de transmisión eléctrica que conectan las subestaciones Capistrano y Talega, al igual que actualizar dichas subestaciones. El proyecto incluye: el remplazo de la Subestación Capistrano que ya existe y esta ubicada en San Juan Capistrano, y tener nueva subestación de gas aislado; el remplazo de un segmento de la línea de transmisión eléctrica de 138 kilovoltios que pertenece a San Diego Gas & Electric que va desde la subestación Capistrano a la subestación Talega, por una línea de transmisión de 230 kilovoltios; el remplazo de varias líneas de distribución entre las dos subestaciones; y, actualizaciones a la infraestructura eléctrica en la subestación Talega, ubicada dentro del Campamento Base Pendleton de la Infantería de Marina. Aproximadamente 140 estructuras de soporte para transmisión y distribución se removerían, y aproximadamente 120 estructuras de soporte nuevas se instalarían. Si se construye, el proyecto ayudaría a acomodar el crecimiento esperado en el Sur del Condado de Orange.

Como se Distribuye la Energia Electrica a los Usuarios



Componentes de una Línea de Transmisión

Un componente clave del proyecto de Mejora de Confiabilidad al Sur del Condado de Orange es la línea de transmisión, la cual está compuesta de estructuras de transmisión, conductores, aisladores, circuitos, cables de tierra y líneas de comunicación.

La **estructura de transmisión** es el elemento más visible de la línea de transmisión. A pesar de que los diseños cambian de acuerdo a las condiciones del terreno y restricciones de altura, los tipos comunes de estructuras de transmisión incluyen:

Estructuras de acero en malla (Lattice Steel Towers o LST por sus siglas en inglés), las cuales consisten de una estructura de acero asegurada a través de tornillos o soldada en sitio, y

Postes en Tubos de Acero (Tubular Steel Poles o TSP por sus siglas en inglés), los cuales son postes grandes de acero (huecos por dentro) con 1, 2, o 3 piezas añadidas.

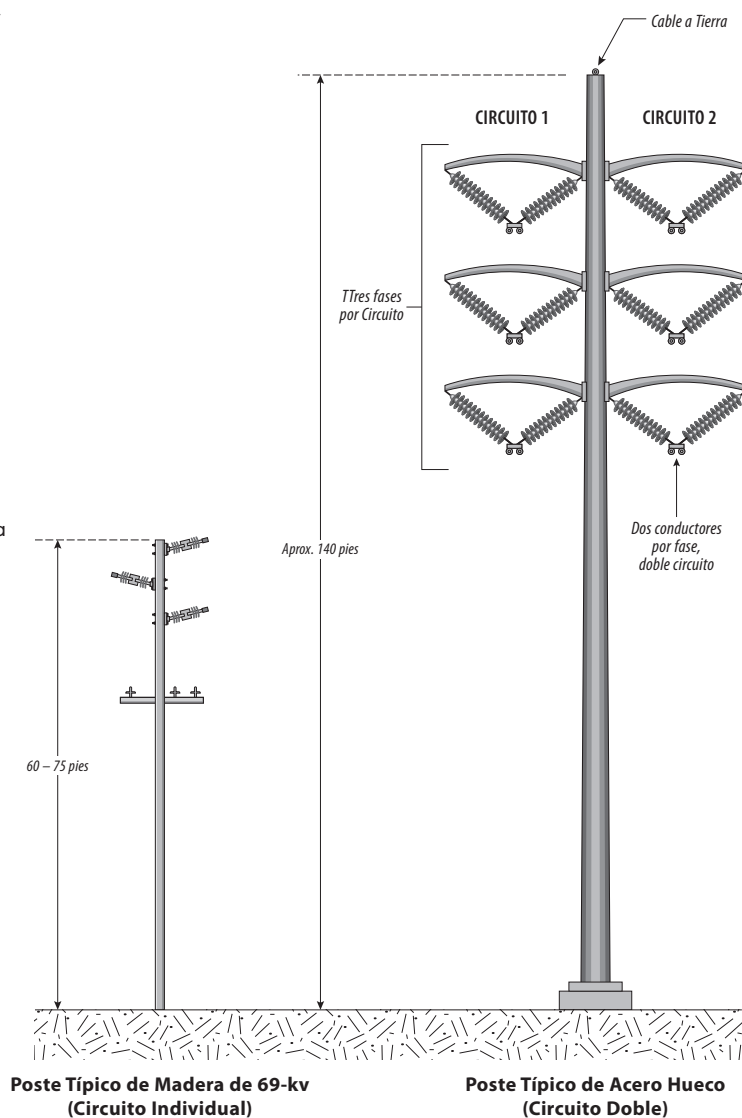
Conductores (i.e. "cables"), los cuales conducen la corriente eléctrica y frecuentemente consisten de alambres de aluminio envueltos alrededor de un elemento de refuerzo de acero. Para la seguridad del público, los conductores se conectan a las estructuras de transmisión usualmente a través de aisladores de vidrio, porcelana, polímeros o silicona para prevenir que pase la corriente eléctrica de los conductores (o cables) a la estructura que los sostiene.

Los cables de tierra (también se llaman "cables de blindaje" o "cables de puesta a tierra") se instalan en la parte alta de las estructuras de transmisión y actúan como pararrayos para protegerse de los rayos eléctricos de las tormentas. Los cables de tierra pueden tener también una línea de comunicación de fibra óptica que puede dirigir una señal a una subestación cercana en caso de que exista un problema a lo largo de un segmento de la línea. La subestación puede apagar secciones de la línea si es necesario, utilizando mecanismos internos que detectan problemas a lo largo de la línea. Además de instalarse como parte de los cables de tierra, las líneas de comunicación también se pueden instalar en sitios separados.

Las líneas de transmisión tienen circuitos con gran cantidad de conductores por los cuales corre la corriente eléctrica. Las estructuras de transmisión pueden ser diseñadas con una estructura de circuito simple o circuito doble:

Las estructuras de circuito simple consisten de 3 "fases". Una configuración de un circuito de 3 fases ayuda a reducir efectos no deseados como el ruido y la interferencia de radio. Usualmente, cada fase consiste de solo un conductor (i.e. "un cable").

Las estructuras de circuito doble tienen 2 circuitos por cada estructura, y cada circuito también consiste de 3 fases. Para poder aumentarle la capacidad a la línea, cada fase puede consistir de 2 o más conductores agrupados.



Para Información Adicional...

Correo electrónico: SOCRE.CEQA@ene.com

Correo postal: Attn: Andrew Barnsdale
California Public Utilities Commission
Re: SOCRE Project, 505 Sansome Street #300
San Francisco, CA 94111

Fax: (415) 398-5326

Línea de atención al público:

(855) 520-6799

South Orange County Reliability Enhancement (SOCRE) Project CPUC CEQA Public Meeting



Before the meeting starts...

Please Sign In

- Pick up meeting materials
- Fill out a speaker card if you want to comment
- Pick up comment cards for written comments

Public Scoping Period Ends: February 8, 2013

South Orange County Reliability Enhancement (SOCRE) Project



CEQA Public Scoping Meetings
January 23 and 24, 2013



Public Scoping Meeting Agenda

- **Introduction**
- **Purpose of the Meeting**
- **CPUC and Environmental Review Process**
- **Description of the Project**
- **CEQA**
- **How to Comment**

Purposes of the Public Meeting

1. **Share information about the SOCRE Project**
2. **Solicit input from the public and agencies on the scope of the Environmental Impact Report**





CPUC and the Environmental Review Process

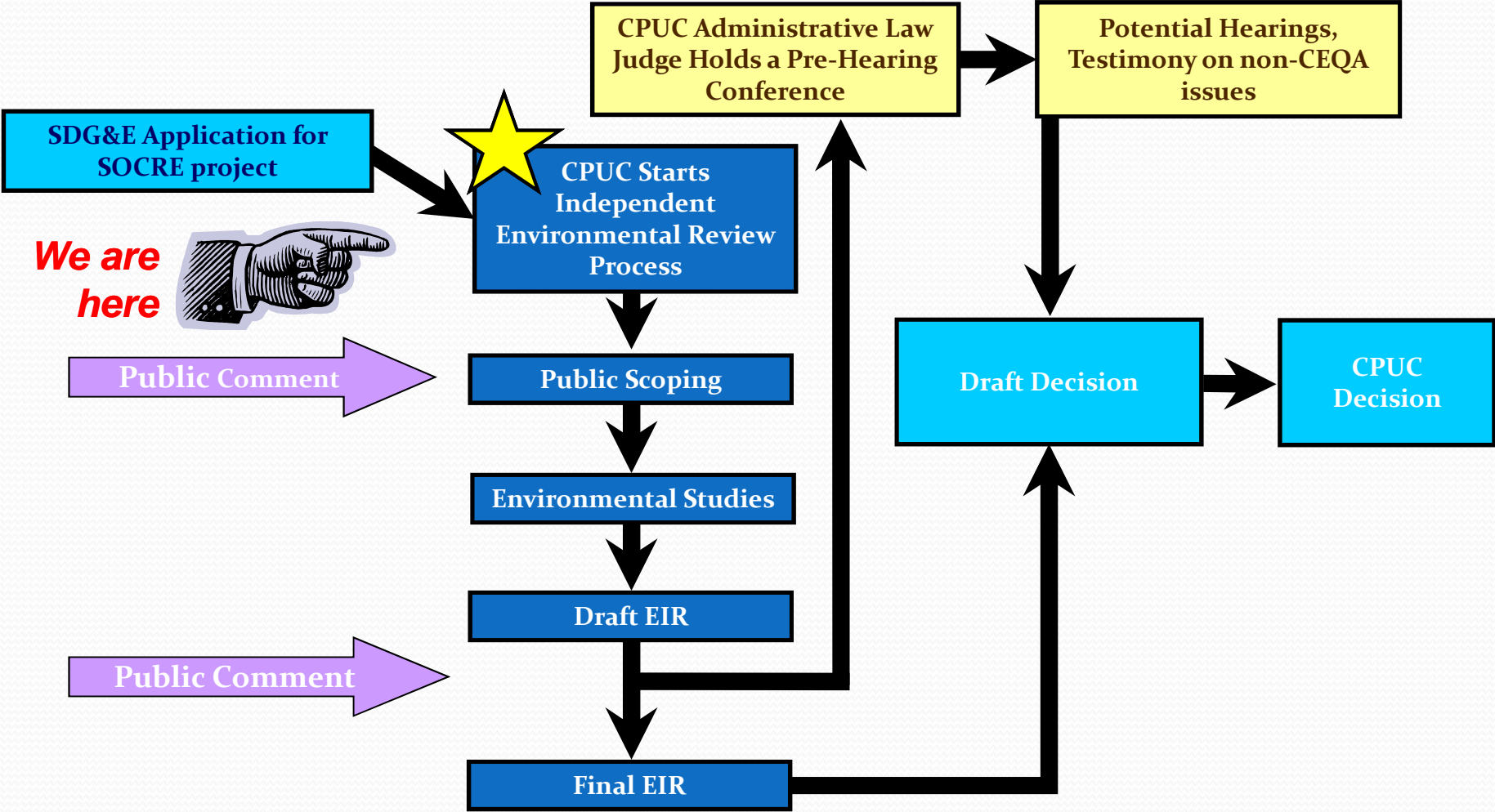
CPUC Process for Project Review

The CPUC process has two parts:

1. **Ratemaking (need, cost, feasibility and rates)**
2. **Environmental review**

**Today's meeting is about Environmental Review:
Compliance with California Environmental
Quality Act (CEQA)**

CPUC Process for Project Review





For Additional Information:
<http://www.cpuc.ca.gov>



South Orange County Reliability Enhancement Project and CEQA

Key Players and Their Roles

**California Public Utilities
Commission (CPUC):**

Lead agency under CEQA

**E&E is CPUC's CEQA
contractor**

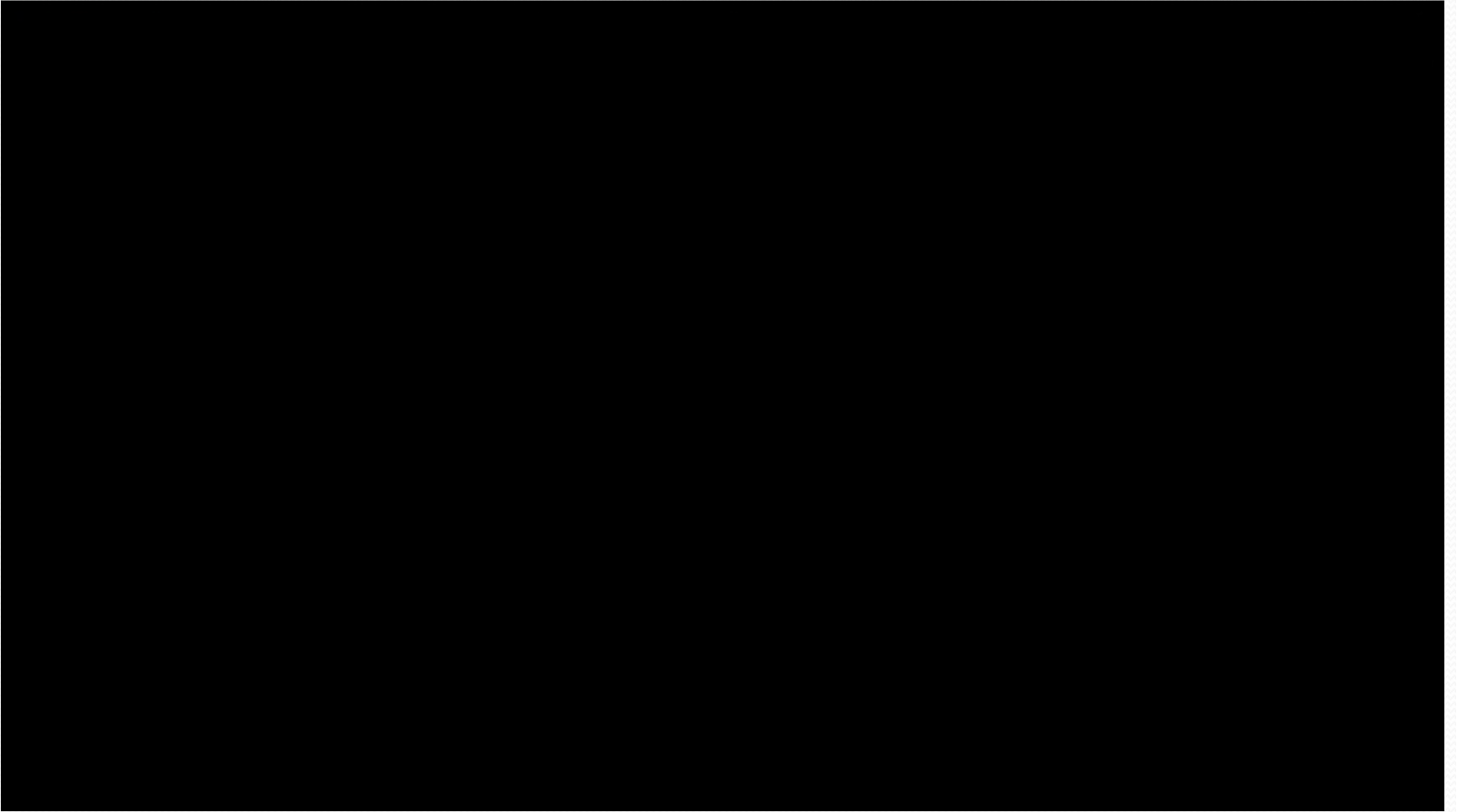
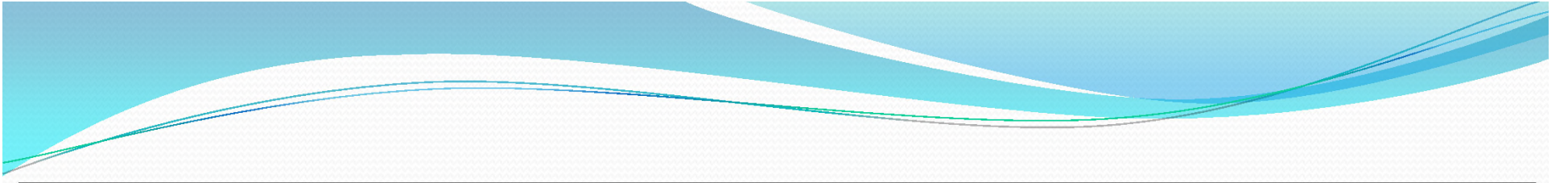
**San Diego Gas & Electric
(SDG&E):**

**Applicant and project
developer**

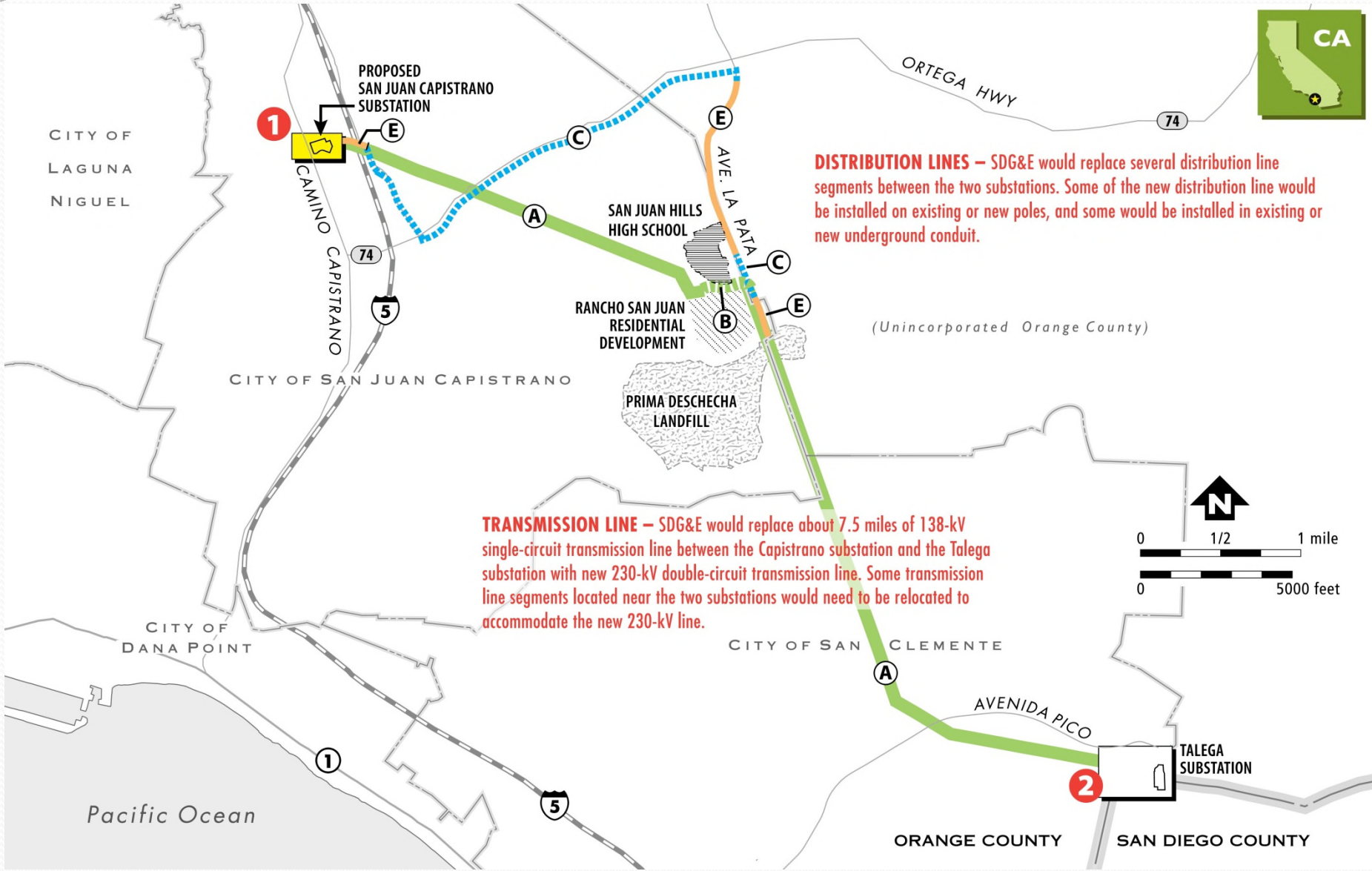


SOCRE Project

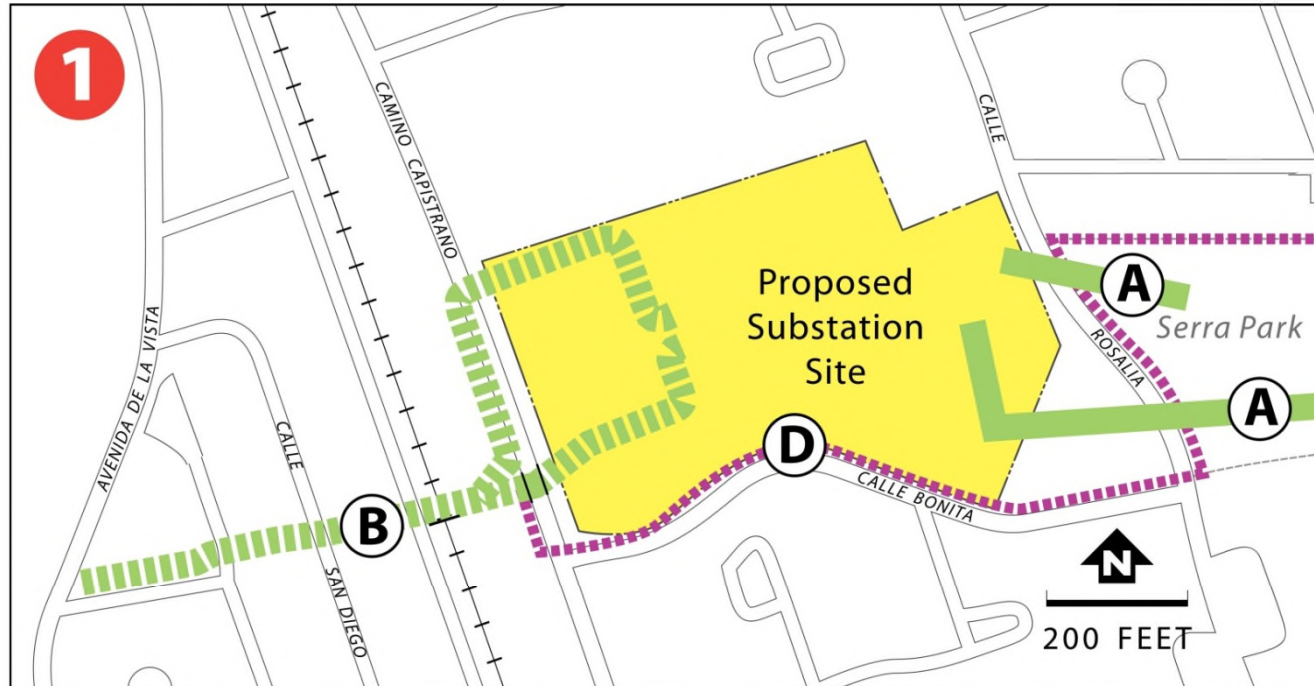




SOCRE Project

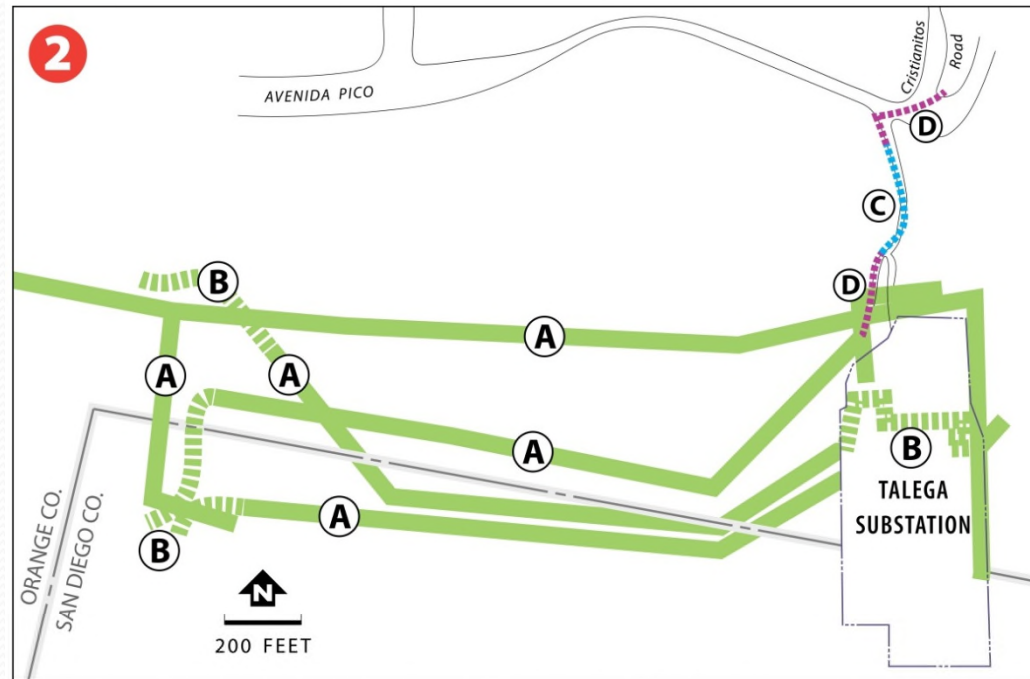


SOCRE Project

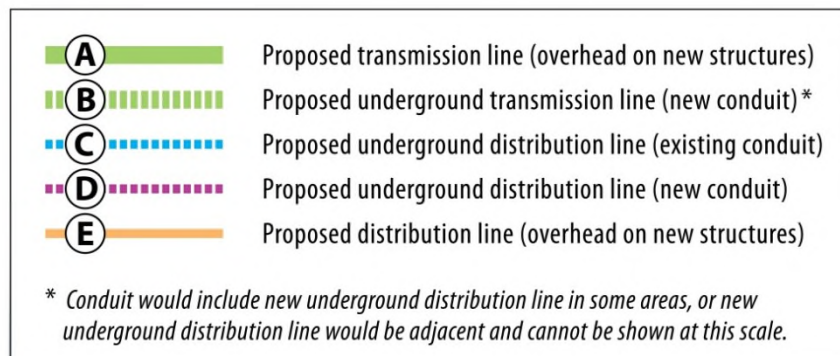


SDG&E would replace the existing, 2-acre air-insulated Capistrano Substation with a gas-insulated substation about 6.4 acres in size, which would be known as the **SAN JUAN CAPISTRANO SUBSTATION**. The existing, 138/12-kV substation, which was constructed in the 1960s, would be modernized and replaced with a 230/138/12-kV substation, to improve operational safety while also upgrading capacity.

SOCRE Project



SDG&E would upgrade portions of the **TALEGA SUBSTATION** and associated electrical infrastructure located within U.S. Marine Corps Base Camp Pendleton and San Diego County.



SOCRE Project



SOCRE Project



CEQA: Approach

- **SDG&E has submitted an application to CPUC**
- **CPUC is CEQA lead agency – required to review environmental impacts of SDG&E’s proposal**
- **E&E (CPUC contractor) is conducting the environmental review under CEQA**

Environmental Impact Report (EIR)

What Will Be In the EIR

- **Description of the project**
- **Description of alternatives to the project**
- **Environmental analysis**
- **Mitigation (for significant impacts)**
- **Comparison of alternatives**
- **Discussion of “other CEQA considerations,” including cumulative impacts and growth-inducing impacts**
- **Mitigation Monitoring Plan**

What Will Be In the EIR

Environmental Issue Areas	
Aesthetics	Hydrology, Water Quality
Agriculture and Forestry Resources	Land Use, Planning
Air Quality and Greenhouse Gases	Noise
Biological Resources	Population, Housing
Cultural Resources	Public Services, Utilities
Geology, Soils	Recreation
Hazards, Hazardous Materials	Transportation, Traffic

How to Make Comments

Provide comments in person at this meeting, or submit written comments via mail or email:

Email: SOCRE.CEQA@ene.com

Mail: Attention: Andrew Barnsdale, CPUC

RE: SOCRE Project

505 Sansome Street, Suite #300

San Francisco, CA 94111

Information Hotline: (855) 520-6799

For More Information

CPUC Website for the SOCRE Project:

<http://tinyurl.com/clsee4g>

Written public scoping comments must be received or postmarked by **February 8, 2013**



Thank You.

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E

Comment Letters and Summary

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South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

RECEIVED JAN 14 2013
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January 11, 2013

Andrew Barnsdale
California Public Utilities Commission
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300
San Francisco, CA 94111

Notice of Preparation of a CEQA Document for the South Orange County Reliability Enhancement Project

The South Coast Air Quality Management District (SCAQMD) appreciates the opportunity to comment on the above-mentioned document. The SCAQMD's comments are recommendations regarding the analysis of potential air quality impacts from the proposed project that should be included in the draft CEQA document. Please send the SCAQMD a copy of the Draft EIR upon its completion. Note that copies of the Draft EIR that are submitted to the State Clearinghouse are not forwarded to the SCAQMD. Please forward a copy of the Draft EIR directly to SCAQMD at the address in our letterhead. **In addition, please send with the draft EIR all appendices or technical documents related to the air quality and greenhouse gas analyses and electronic versions of all air quality modeling and health risk assessment files. These include original emission calculation spreadsheets and modeling files (not Adobe PDF files). Without all files and supporting air quality documentation, the SCAQMD will be unable to complete its review of the air quality analysis in a timely manner. Any delays in providing all supporting air quality documentation will require additional time for review beyond the end of the comment period.**

Air Quality Analysis

The SCAQMD adopted its California Environmental Quality Act (CEQA) Air Quality Handbook in 1993 to assist other public agencies with the preparation of air quality analyses. The SCAQMD recommends that the Lead Agency use this Handbook as guidance when preparing its air quality analysis. Copies of the Handbook are available from the SCAQMD's Subscription Services Department by calling (909) 396-3720. The lead agency may wish to consider using land use emissions estimating software such as the recently released CalEEMod. This model is available on the SCAQMD Website at: <http://www.aqmd.gov/ceqa/models.html>.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the project and all air pollutant sources related to the project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, that is, sources that generate or attract vehicular trips should be included in the analysis.

The SCAQMD has developed a methodology for calculating PM_{2.5} emissions from construction and operational activities and processes. In connection with developing PM_{2.5} calculation methodologies, the SCAQMD has also developed both regional and localized significance thresholds. The SCAQMD requests that the lead agency quantify PM_{2.5} emissions and compare the results to the recommended PM_{2.5} significance thresholds. Guidance for calculating PM_{2.5} emissions and PM_{2.5} significance thresholds can be found at the following internet address: http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html.

In addition to analyzing regional air quality impacts the SCAQMD recommends calculating localized air quality impacts and comparing the results to localized significance thresholds (LSTs). LST's can be used in addition to the recommended regional significance thresholds as a second indication of air quality impacts when preparing a CEQA document. Therefore, when preparing the air quality analysis for the proposed project, it is recommended that the lead agency perform a localized significance analysis by either using the LSTs developed by the SCAQMD or performing dispersion modeling as necessary. Guidance for performing a localized air quality analysis can be found at <http://www.aqmd.gov/ceqa/handbook/LST/LST.html>.

In the event that the proposed project generates or attracts vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the lead agency perform a mobile source health risk assessment. Guidance for performing a mobile source health risk assessment ("Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis") can be found on the SCAQMD's CEQA web pages at the following internet address: http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html. An analysis of all toxic air contaminant impacts due to the decommissioning or use of equipment potentially generating such air pollutants should also be included.

Mitigation Measures

In the event that the project generates significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized during project construction and operation to minimize or eliminate significant adverse air quality impacts. To assist the Lead Agency with identifying possible mitigation measures for the project, please refer to Chapter 11 of the SCAQMD CEQA Air Quality Handbook for sample air quality mitigation measures. Additional mitigation measures can be found on the SCAQMD's CEQA web pages at the following internet address: www.aqmd.gov/ceqa/handbook/mitigation/MM_intro.html Additionally, SCAQMD's Rule 403 – Fugitive Dust, and the Implementation Handbook contain numerous measures for controlling construction-related emissions that should be considered for use as CEQA mitigation if not otherwise required. Other measures to reduce air quality impacts from land use projects can be found in the SCAQMD's Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning. This document can be found at the following internet address: <http://www.aqmd.gov/prdas/aqguide/aqguide.html>. In addition, guidance on siting incompatible land uses can be found in the California Air Resources Board's Air Quality and Land Use Handbook: A Community Perspective, which can be found at the following internet address: <http://www.arb.ca.gov/ch/handbook.pdf>. CARB's Land Use Handbook is a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process. Pursuant to state CEQA Guidelines §15126.4 (a)(1)(D), any impacts resulting from mitigation measures must also be discussed.

Data Sources

SCAQMD rules and relevant air quality reports and data are available by calling the SCAQMD's Public Information Center at (909) 396-2039. Much of the information available through the Public Information Center is also available via the SCAQMD's World Wide Web Homepage (<http://www.aqmd.gov>).

The SCAQMD staff is available to work with the Lead Agency to ensure that project-related emissions are accurately identified, categorized, and evaluated. If you have any questions regarding this letter, please call Ian MacMillan, Program Supervisor, CEQA Section, at (909) 396-3244.

Sincerely,



Ian MacMillan

Program Supervisor, CEQA Inter-Governmental Review
Planning, Rule Development & Area Sources

IM
LAC130109-01
Control Number

-----Original Message-----

From: Dana Ware [mailto:waretime@cox.net]

Sent: Wednesday, January 16, 2013 12:40 PM

To: Herron, Christy

Subject: proposed SDG&E project

I live at 27752 Paseo Barona in San Juan Cap. Currently we have power lines in the Arroyo Park/Trail behind our home. At this time there is not a structure directly behind my house, it is down the park a way. How do I know if you are going to add another structure in this park. How do we see where you will add new towers? Thank you, Dana Ware

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From: Congalton, Bruce [mailto:Bruce.Congalton@meppi.com]

Sent: Thursday, January 17, 2013 3:10 PM

To: Herron, Christy

Subject: SOCRE Project Comment

Please add my name to the distribution list for updates on the SOCRE project.

Bruce Congalton

Mitsubishi Electric Power Products, Inc.

Western Region Vice President

1065 Bonita Ave

La Verne, CA 91750

Office: 909-447-8410

Fax: 909-447-8416

Cell: 626-825-2340

e-mail: bruce.congalton@meppi.com

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NATIVE AMERICAN HERITAGE COMMISSION

915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390
Web Site www.nahc.ca.gov
ds_nahc@pacbell.net



RECEIVED JAN 18 2013

January 16, 2013

Mr. Andrew Barnsdale, CEQA Project Manager

CALIFORNIA PUBLIC UTILITIES COMMISSION**SOCRE Project**

c/o 505 Sansome Street, Suite 300
SAN FRANCISCO, CA 94111

Re: SCH#2013011011; CEQA Notice of Preparation (NOP); draft Environmental Impact Report (DEIR) for the "South Orange County Reliability Enhancement (SDG&E) Project (San Diego Gas & Electric Company);" located in South Orange County, Northwestern San Diego County, California

Dear Mr. Barnsdale:

The California Native American Heritage Commission (NAHC) is the State of California 'trustee agency' for the preservation and protection of Native American cultural resources pursuant to California Public Resources Code §21070 and affirmed by the Third Appellate Court in the case of EPIC v. Johnson (1985: 170 Cal App. 3rd 604).

This letter includes state and federal statutes relating to Native American historic properties or resources of religious and cultural significance to American Indian tribes law. State law also addresses the freedom of Native American Religious Expression in Public Resources Code §5097.9.

The California Environmental Quality Act (CEQA – CA Public Resources Code 21000-21177, amendment s effective 3/18/2010) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archaeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR) per the CEQA Guidelines defines a significant impact on the environment as 'a substantial, or potentially substantial, adverse change in any of physical conditions within an area affected by the proposed project, including ... objects of historic or aesthetic significance.' In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect. The NAHC advises the Lead Agency to request a Sacred Lands File search of the NAHC if one has not been done for the 'area of potential effect' or APE previously.

The NAHC "Sacred Sites,' as defined by the Native American Heritage Commission and the California Legislature in California Public Resources Code §§5097.94(a) and 5097.96. Items in the NAHC Sacred Lands Inventory are confidential and exempt from the Public Records Act pursuant to California Government Code §6254 (r).

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries of cultural resources or burial sites once a project is underway.

Culturally affiliated tribes and individuals may have knowledge of the religious and cultural significance of the historic properties in the project area (e.g. APE). We strongly urge that you make contact with the list of Native American Contacts on the attached list of Native American contacts, to see if your proposed project might impact Native American cultural resources and to obtain their recommendations concerning the proposed project. Pursuant to CA Public Resources Code § 5097.95, the NAHC requests cooperation from other public agencies in order that the Native American consulting parties be provided pertinent project information. Consultation with Native American communities is also a matter of environmental justice as defined by California Government Code §65040.12(e). Pursuant to CA Public Resources Code §5097.95, the NAHC requests that pertinent project information be provided consulting tribal parties, including archaeological studies. The NAHC recommends *avoidance* as defined by CEQA Guidelines §15370(a) to pursuing a project that would damage or destroy Native American cultural resources and California Public Resources Code Section 21083.2 (Archaeological Resources) that requires documentation, data recovery of cultural resources, construction to avoid sites and the possible use of covenant easements to protect sites.

Furthermore, the NAHC if the proposed project is under the jurisdiction of the statutes and regulations of the National Environmental Policy Act (e.g. NEPA; 42 U.S.C. 4321-43351). Consultation with tribes and interested Native American consulting parties, on the NAHC list, should be conducted in compliance with the requirements of federal NEPA and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 *et seq.*), 36 CFR Part 800.3 (f) (2) & .5, the President's Council on Environmental Quality (CSQ, 42 U.S.C 4371 *et seq.* and NAGPRA (25 U.S.C. 3001-3013) as appropriate. The 1992 *Secretary of the Interiors Standards for the Treatment of Historic Properties* were revised so that they could be applied to all historic resource types included in the National Register of Historic Places and including cultural landscapes. Also, federal Executive Orders Nos. 11593 (preservation of cultural environment), 13175 (coordination & consultation) and 13007 (Sacred Sites) are helpful, supportive guides for Section 106 consultation. The aforementioned Secretary of the Interior's *Standards* include recommendations for all 'lead agencies' to consider the historic context of proposed projects and to "research" the cultural landscape that might include the 'area of potential effect.'

Confidentiality of "historic properties of religious and cultural significance" should also be considered as protected by California Government Code §6254(r) and may also be protected under Section 304 of the NHPA or at the Secretary of the Interior discretion if not eligible for listing on the National Register of Historic Places. The Secretary may also be advised by the federal Indian Religious Freedom Act (cf. 42 U.S.C., 1996) in issuing a decision on whether or not to disclose items of religious and/or cultural significance identified in or near the APEs and possibility threatened by proposed project activity.

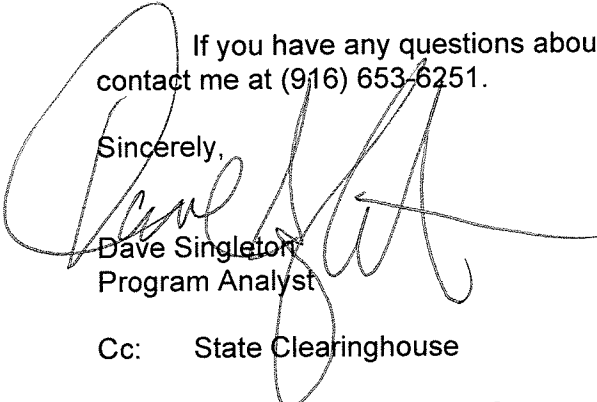
Furthermore, Public Resources Code Section 5097.98, California Government Code §27491 and Health & Safety Code Section 7050.5 provide for provisions for inadvertent discovery of human remains mandate the processes to be followed in the event of a discovery of human remains in a project location other than a 'dedicated cemetery'.

To be effective, consultation on specific projects must be the result of an ongoing relationship between Native American tribes and lead agencies, project proponents and their contractors, in the opinion of the NAHC. Regarding tribal consultation, a relationship built around regular meetings and informal involvement with local tribes will lead to more qualitative consultation tribal input on specific projects.

Finally, when Native American cultural sites and/or Native American burial sites are prevalent within the project site, the NAHC recommends 'avoidance' of the site as referenced by CEQA Guidelines Section 15370(a).

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-6251.

Sincerely,



Dave Singleton
Program Analyst

Cc: State Clearinghouse

Attachment: Native American Contact List

**Native American Contacts
Orange County
January 16, 2013**

Juaneno Band of Mission Indians Acjachemen Nation
David Belardes, Chairperson
32161 Avenida Los Amigos Juaneno
San Juan Capistrano CA 92675 m
chiefdavidbelardes@yahoo.
(949) 493-4933 - home
(949) 293-8522

Juaneno Band of Mission Indians Acjachemen Nation
Anthony Rivera, Chairman
31411-A La Matanza Street Juaneno
San Juan Capistrano CA 92675-2674
arivera@juaneno.com
(949) 488-3484
(949) 488-3294 - FAX
(530) 354-5876 - cell

Juaneno Band of Mission Indians
Alfred Cruz, Cultural Resources Coordinator
P.O. Box 25628 Juaneno
Santa Ana , CA 92799
alfredgcruz@sbcglobal.net
714-998-0721
714-998-0721 - FAX
714-321-1944 - cell

Juaneno Band of Mission Indians
Adolph 'Bud' Sepulveda, Vice Chairperson
P.O. Box 25828 Juaneno
Santa Ana , CA 92799
bssepul@yahoo.net
714-838-3270
714-914-1812 - CELL
bsepul@yahoo.net

Juaneño Band of Mission Indians
Sonia Johnston, Tribal Chairperson
P.O. Box 25628 Juaneno
Santa Ana , CA 92799
sonia.johnston@sbcglobal.
714-323-8312
714-998-0721

United Coalition to Protect Panhe (UCPP)
Rebecca Robles
119 Avenida San Fernando Juaneno
San Clemente CA 92672
rebrobles1@gmail.com
(949) 573-3138

Juaneno Band of Mission Indians Acjachemen Nation
Joyce Perry, Representing Tribal Chairperson
4955 Paseo Segovia Juaneno
Irvine , CA 92612
949-293-8522

Gabrielino-Tongva Tribe
Linda Candelaria, Chairwoman
1875 Century Pk East #1500 Gabrielino
Los Angeles , CA 90067
palmsprings9@yahoo.com
626-676-1184- cell
(310) 587-0170 - FAX

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2013011011 CEQA Notice of Preparation (NOP); draft Environmental Impact Report (DEIR) for the Reliability Enhancement Project proposed by San Diego Gas and Electric Company; Orange and San Diego Counties, California.

**Native American Contacts
Orange County
January 16, 2013**

Pala Band of Mission Indians
Historic Preservation Office/Shasta Gaughen
35008 Pala Temecula Road, Luiseno
Pala, CA 92059 Cupeno
PMB 50
(760) 891-3515
sgaughen@palatribe.com
(760) 742-3189 Fax

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resources Manager
P.O. Box 1477 Luiseno
Temecula, CA 92593
(951) 770-8100
pmacarro@pechanga-nsn.
gov
(951) 506-9491 Fax

Rincon Band of Mission Indians
Vincent Whipple, Tribal Historic Preservation Officer
P.O. Box 68 Luiseno
Valley Center, CA 92082
jmurphy@rincontribe.org
(760) 297-2635
(760) 297-2639 Fax

Pauma Valley Band of Luiseño Indians
Bennae Calac
P.O. Box 369 Luiseno
Pauma Valley CA 92061
bennaecalac@aol.com
(760) 617-2872
(760) 742-3422 - FAX

Rincon Band of Mission Indians
Bo Mazzetti, Chairperson
P.O. Box 68 Luiseno
Valley Center, CA 92082
bomazzetti@aol.com
(760) 749-1051
(760) 749-8901 Fax

San Luis Rey Band of Mission Indians
Cultural Department
1889 Sunset Drive Luiseno
Vista, CA 92081 Cupeno
760-724-8505

760-724-2172 - fax

Pechanga Band of Mission Indians
Mark Macarro, Chairperson
P.O. Box 1477 Luiseno
Temecula, CA 92593
(951) 770-6100
hlaibach@pechanga-nsn.
gov
(951) 695-1778 FAX

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From: Mark Speros [mailto:marksperos@kerr-engineering.com]

Sent: Monday, January 21, 2013 9:38 AM

To: Herron, Christy

Cc: jtaylor@sanjuancapistrano.org; sallevato@sanjuancapistrano.org; rbyrnes@sanjuancapistrano.org; lkramer@sanjuancapistrano.org; dreeve@sanjuancapistrano.org

Subject: SOCRE Project

To: Officials at the California Utilities Commission,

I received notice of the upcoming hearing, but fear I may have a conflict with another board meeting.

I'd like to go on record as an 18 year resident of San Juan Capistrano. I understand each city at times must support the needs of adjacent ones, but enough is **ENOUGH!**

- Caltrans is widening Ortega Hwy ~ not to allow local residents easier access in and out of their homes, but contrarily to worsen their access through increased speeds and rejecting the addition of traffic signals. Their priority isn't to enhance or even maintain the needs of our historic city, but to support the needs of 14,000 homes yet to be built in Ranch Mission Viejo.
- We've paid millions the initial costs for a ground water recovery plant, that after 10 years we relinquish ownership of to Rancho Mission Viejo.
- We spent millions of our public open space money to secure our eastern border from development, only to have it become a park that we can't use, but (you guessed it) Ranch Mission Viejo residents are the primary beneficiary of.

We already have multiple high voltage transmission towers running through our city, even though all of our local electrical lines are buried. **I am adamantly opposed to our city and its citizens being made a scapegoat for another city!!!** The enlargement of this electrical facility has nothing to do with *our* city's needs **at all!**

If they can build 14,000 homes (and the profit that goes with them), they can certainly allocate their own electrical transmission distribution center to power them within their own city's borders.

I'm counting our City Council Members to protect our citizens from this policy of San Juan Capistrano being the "beast of burden" for needs outside our borders.

Your partner in success,

Mark Speros

KERR ENGINEERING & SALES, INC.

"Solving Piping Challenges Since 1983"

27136 Paseo Espada, Suite 122, San Juan Capistrano, CA 92675

Tel: 949-388-3100 / FAX 949-388-5208

Manufacturer's Reps & Stocking Distributors of:

Link-Seal® ♦ Hyspan ♦ PROCO ♦ Twin City Hose ♦ Brimar I.D. Systems ♦ Insul® - Tek

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Herron, Christy

From: Rus Miller <jrusmiller@yahoo.com>
Sent: Wednesday, January 23, 2013 7:49 PM
To: Herron, Christy
Subject: Power Lines and Cancer: Nothing to Fear

<http://www.quackwatch.org/01QuackeryRelatedTopics/emf.html>

Cite this in your EIR.

Highlight that the substation is grounded.

Rus Miller

Message scanned by the Symantec Email Security.cloud service. If you suspect that this email is actually spam, please FORWARD it to spamsamples@messagelabs.com

**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Meeting on the Draft EIR for the Proposed South Orange County Reliability Enhancement Project
San Juan Capistrano, January 23, 2013
Reunión Pública del Proyecto Propuesto SOCRE, San Juan Capistrano, 23 de enero de 2013.

Thank you for participating in tonight's public meeting. We would like to hear your comments.
Gracias por su participación en la reunión pública esta noche. Queremos oír sus comentarios.

Note: Before including your address, telephone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment, including your personal identifying information, may be made publicly available at any time. While you may ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from individuals identifying themselves as representatives or officials of organizations or businesses will be made available for public inspection in their entirety.

Nota: Antes de añadir su dirección de postal, número de teléfono, dirección del correo electrónico, u otra información personal en su comentario, usted debe tomar en cuenta que su comentario entero, incluyendo identificación personal, pudiera estar disponible al público en cualquier momento. Aun cuando usted puede solicitarnos en su comentario que se mantenga su información de identificación personal como confidencial para la revisión pública, no podemos garantizar que estaremos en capacidad de hacerlo. Todos los comentarios de individuos que se identifiquen como representantes o funcionarios de organizaciones o empresas estarán completamente disponibles para inspección del público.

Name/Nombre: RICHARD GARDNER

Affiliation/Organización: _____

Phone/Teléfono: 949-240-4604 Email/Correo electrónico: CAPOPALM@hotmail.com

Address/Dirección: 2701 Calle Mario Capistrano, CA

COMMENTS/COMENTARIOS

(Fire liability)

1) WHAT is the difference in Reliability between OVERHEAD vs UNDER-GROUND? 2) What ADDITIONAL LAND uses ARE possible in the TRANSMISSION ROW? 3) what is the MAXIMUM power at build out under WORST CASE CONDITIONS?

Comments must be received by February 8, 2013
Los comentarios serán recibidos hasta el 8 de febrero de 2013

Send comments to/ Envíe sus comentarios a: Andrew Barnsdale, California Public Utilities Commission
Re: SOCRE Project, c/o Ecology and Environment, Inc.,
505 Sansome Street, Suite 300, San Francisco, CA 94111
Fax: (415) 398-5326 Project Voicemail/Línea de atención al usuario: 855-520-6799 email/ Correo electrónico:
SOCRE.CEQA@ene.com

**California Public Utilities Commission
Comisión de Servicios Públicos de California**

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Name/Nombre: Rhen Kohan Capo
Affiliation/Organización: Homeowner SJC / by Substation
Phone/Teléfono: (949) 248 0363 Email/Correo electrónico: rhen.kohan@cox.net
Address/Dirección: 31061 Via Santo Tomas SJC CA 92675

COMMENTS/COMENTARIOS

See Attached

**Comments must be received by February 8, 2013
Los comentarios serán recibidos hasta el 8 de febrero de 2013**

Send comments to/ Envíe sus comentarios a: Andrew Barnsdale, California Public Utilities Commission
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SOCRE.CEQA@ene.com

1/23/13 Hearing

The Kohans
31061 Via Santo Tomas
San Juan Capistrano, CA 92675

POSITION

The proposed upgrade is across the street from our homes, our Association. It is surrounded by homes ~~on~~ NORTH and South and ~~East~~ to the 5. The City has spoken against this as well as we homeowners. As ~~has~~ accepted the present substation w/ some impact it doesn't seem provable.

We reject the ^{proposed} upgrade and at the least, insist on compromise SDGE has so far rejected - put it all or partially underground or relocate it.

Project Evolution

We moved in 1987. We checked w/ SDGE at the time, had a representative out who advised we were at no risk. Is that true? Our dog who slept out in the back yard died from a brain tumor. Was that EMF generated? We don't know but for sure reject increase in the current without going underground.

We started ^{out} trying to work w SDGE. ~~Over~~ time ~~they~~ ^{gave many reports,} we began to see they could not answer many questions about their own project on aesthetics, noise, statistics, well almost all issues & impacts listed here. [NPP] Page 4 Table 1

1/23/13 Hearing, Cont'd

The Kohans
31061 Via Santo Tomas
San Juan Capistrano, CA 92675

Concerns Hence we ask SDCG be directed
to accurately cover the following
concerns in their EIR to be prepared -

- Hazard 1. EMFs due to increase in current
Geology 2. Location of all or most lines
underground, as done in Wisconsin,
Pub Serv 3. ^{adverse} effects on our property values,
Aesthetics 4. Aesthetics fully illustrated,
NOISE 5. NOISE impact during construction,
6. Expose any mandatory ties to the
SMART Plan for electric cars
inherent in this project.

~~Thank you~~

From those supporting this project
trying to poo poo such input as this,
I say I do support progress and
upgrade and a healthy business
environment but not done with a
boot onto my face telling me to
accept it and be quiet. There must be
better ways found than what SDCG
so far favors. ~~Thank you.~~ In a ^{press} ~~book~~,
Compromise / or / relocate.
By going underground

The Proponent’s Environmental Assessment, prepared by SDG&E for the SOCRE project, identified environmental impacts that would result from the construction and operation of the project (Table 1).

Table 1: Initially Identified SOCRE Project Issues or Impacts

Environmental Issue Area	Potential Issues or Impacts
Aesthetics	Construction and operation of the project could result in impacts on the overall visual character of the project area.
Air Quality and Greenhouse Gases	Construction of the project could result in emissions of sulfur hexafluoride and criteria pollutants as identified by the South Coast Air Quality Management District.
Cultural Resources	Construction of the project could result in impacts on cultural and paleontological resources.
Geology, Soils, and Mineral Resources	Construction and operation of the project could result in impacts related to seismic-related ground failure, landslides, and unstable soils.
Hazards and Hazardous Materials	Construction and operation of the project could result in impacts related to hazards and hazardous materials.
Noise	Construction of the project at night could result in noise impacts.
Public Services	Construction of the project could result in impacts on existing parks and recreational areas in the project area.
Transportation and Traffic	Construction of the project could result in impacts related to traffic congestion and deterioration of levels of service, as well as cumulative traffic impacts.

The EIR may identify additional impacts. For significant impacts, and where feasible, mitigation measures will be proposed to avoid or reduce the impact.

E. PROJECT SCOPING PROCESS AND MEETINGS

Circulation of this NOP opens a public review and comment period on the scope of the CEQA document that begins on January 9, 2013 and ends on February 8, 2013 at 5:00 p.m. All interested parties, including the public, responsible agencies, and trustee agencies, are invited to present comments about the SOCRE project and the scope of the EIR.

The CPUC invites interested parties to the following public scoping meetings for the SOCRE project in order to learn more about the project, ask questions, and submit comments:

Wednesday, January 23, 2013

Thursday, January 24, 2013

San Juan Capistrano Community Hall
 25925 Camino Del Avion
 San Juan Capistrano, CA 92675

Bella Collina Towne and Golf Club
 200 Avenida La Pata
 San Clemente, CA 92673

Open House: 6:30 p.m. to 7:00 p.m.
 Presentation and Public Comment Session: 7:00 p.m.

January 23, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300
San Francisco, CA 94111

Re: City of San Juan Capistrano's Initial Comments Regarding Potential Adverse Impacts that Must be Studied in the Environmental Impact Report Analyzing San Diego Gas & Electric's Request for a Certificate of Public Convenience and Necessity for the South Orange County Reliability Enhancement ("SOCRE") Project (Application No. A.12-05-020)

Dear Mr. Barnsdale:

This law firm represents the City of San Juan Capistrano ("City"), which is very concerned with the potential significant environmental impacts of San Diego Gas & Electric's ("SDG&E") pending application (Application No. A.-12-05-020) for a Certificate of Public Convenience and Necessity ("CPCN") from the California Public Utilities Commission ("CPUC") to replace the existing 138/12kV Capistrano Substation with a 230/138/12kV substation, and replace an existing 138kV transmission line with a new 230kV double-circuit extension between SDG&E's Capistrano and Talega substations (the "Project"). Pursuant to the Notice of Preparation ("NOP") issued by the CPUC on January 9, 2013, the CPUC will be the Lead Agency for this Project, and as such is currently undertaking preparation of an Environmental Impact Report ("EIR").

The purpose of this letter is to provide the CPUC initial comments on behalf of the City concerning various issues that should be studied by the EIR, and specifically, potential significant adverse impacts that the EIR must consider. The City is particularly concerned with the Project's affect on the City's historic core, the integrity of which is one of the City's most precious resources.

I. As Currently Proposed, the Project Will Have a Significant Adverse Impact on Historic and Cultural Resources.

The existing Capistrano Substation that will be destroyed by the Project is an essential part of the City's Historic Core, which was first founded over 200 years ago. The Substation was built nearly a century ago, is listed on the Buildings of Distinction List, and qualifies for

Mr. Andrew Barnsdale
January 23, 2013
Page 2

listing on the City's Inventory of Historic & Cultural Landmarks. The Buildings of Distinction List consists of buildings that are eligible for listing on the Inventory of Historic & Cultural Landmarks, and both the State and National Register of Historic Places.

The Project will not only destroy the existing Substation, which is itself an important historic and cultural resource, but the Project will significantly impact other historic and cultural resources throughout the City. The existing Substation serves as part of the northern gateway to the Historic Town Center, and its destruction and replacement as currently planned will adversely impact the entire Historic Town Center.

The Project will also adversely impact the nearby Mission San Juan Capistrano and the Los Rios District, which is the oldest residential neighborhood in the State of California. In fact, the Project as currently planned will result in the construction of 50-foot buildings and 10-foot walls along the historic El Camino Real (now Camino Capistrano), a road first built centuries ago by Spanish missionaries to connect all the missions throughout California. Elementary school students from across Southern California visit this area, and specifically the Mission San Juan Capistrano, in large numbers every year. The Project as currently planned will adversely impact a significant experience shared by nearly all children growing up in Orange County. Finally, the Project is only 1,000 feet south of Putuidem, the mother village of the Juaneno Band of Mission Indians-Acjachemen Nation, which is a State-designated cultural resources site (Site CA-ORA-855).

II. The Project will have a Significant Adverse Impact on Aesthetics and Land Use, as the Project Violates Many City Requirements and is Inconsistent with the City's General Plan.

The Project's frontage is along Camino Capistrano, which has been designated by the City's General Plan Community Design Element as a scenic corridor. Three important design criteria are required for structures built on scenic corridors: (1) the project must include a buffer to screen unsightly features outside of the right-of-way, (2) the project must use innovative design features for bicycles, sidewalks, equestrian trails, boundary walls, and parkways, and (3) the Project must pay special attention to building design features that front a scenic corridor. Consistent with CEQA, the Community Design Element recognizes that structures altering the existing visual character or quality of the site and its surroundings cause potential significant impacts, unless mitigated. The Project, as proposed, will have a significant adverse impact on the Camino Capistrano scenic corridor.

As mentioned above, the Project will result in the construction of two 50-foot tall buildings, despite the City's maximum building height allowance of 35 feet. The only building in the entire City that exceeds this maximum height is the Mission Basilica Church, which was granted a height exception with a specific purpose: allowing the Church's architecturally significant dome to be the most prominent visual element in the City. The Project lacks the

Mr. Andrew Barnsdale
January 23, 2013
Page 3

unique, positive architectural features of the Basilica. Indeed, the Project proposes 10-foot tall security walls surrounding the 50-foot buildings, which will resemble a prison or military barracks. This is the exact type of adverse impact on aesthetics that the City's maximum building height is designed to prevent.

In addition to adversely affecting an important scenic corridor, the Project site is surrounded by residential development. A neighborhood park serving these residences is located *directly* to the east of the Project. As a result, the Project will be highly visible, and therefore adversely impact aesthetics specifically as to these residents. Furthermore, buildings of this size are certain to adversely impact neighboring residents with light and noise pollution. In fact, the City requires lighting fixtures with cutoffs to contain all light on site, allowing *no spillage* into the public right-of-way or on adjoining residential properties. The EIR must study lighting levels to ensure that these levels will meet the City's strict standards both during the construction of the Project and after its completion.

As possible alternatives to the Project as it is currently proposed, the height of the Project's buildings could be reduced in order to mitigate some of the above-described impacts. The transformer vaults could be undergrounded, or the Project could cut into the slope behind the existing substation, which would not only reduce the height and mass of the proposed new structures, but also permit preservation of the historic substation. The EIR should discuss all of these options as alternatives.

For the aforementioned reasons, the Project as proposed is inconsistent with a number of the policies articulated in the City's General Plan, including the General Plan's Land Use Element, Cultural Resources Element, Community Design Element, and Circulation Element. Specifically, the Project runs afoul of the following policies:

- Land Use Policy 2.2 – Assure that new development is consistent and compatible with the existing character of the City.
- Land Use Policy 7.1 – Preserve and enhance the quality of San Juan Capistrano neighborhoods by avoiding or abating the intrusion of non-conforming buildings and uses.
- Land Use Policy 7.2 – Ensure the new development is compatible with the physical characteristics of its site, surrounding land uses, and available public infrastructure.
- Land Use Policy 7.4 – Protect the existing population and social character of older areas subject to rehabilitation and redevelopment.

Mr. Andrew Barnsdale
January 23, 2013
Page 4

- Cultural Resources Policy 1.2 – Identify, designate and protect buildings and sites of historic importance.
- Community Design Policy 1.2 – Encourage high-quality and human scale design in development to maintain the character of the City.
- Community Design Policy 2.1 – Encourage development which complements the City’s traditional, historic character through site design, architecture, and landscaping.

The EIR must also address how the CPUC and/or SDG&E will conduct traffic management and control during the Project’s lengthy construction in order to be consistent with the City’s Circulation Element policies 4.2, 4.3 and 4.4.

The EIR must also consider the City Council Policy 606, which states that any excavation undertaken in connection with a project deeper than 18 inches below the natural ground requires an archaeologist and Native American monitor the excavation at all times. The City believes that at a minimum, CPUC and/or SDG&E must consult with the State Historical Preservation Officer and the California Native American Heritage Commission during the preparation of the EIR in order to completely understand and analyze the Project’s impacts on cultural and Native American resources.

III. The EIR Must Analyze Potentially Significant Adverse Impacts on Health and Safety.

The EIR must analyze the potentially significant impacts of releases of materials commonly used as insulators and other materials at the proposed facilities. A Human Health Risk Assessment must be prepared for evaluation of the risks to human populations, both transient and resident, that will be potentially exposed to materials proposed to be utilized within the project.

The EIR also must evaluate the Project’s potential electro-magnetic frequency (“EMF”) impacts. EMF impacts from facilities such as the Project have been shown to result in potential teratogenic and mutagenic changes in humans. As discussed above, the Project is located in close proximity to residences and a neighborhood park, and the Project will increase the size and intensity of equipment that has been known to cause EMF impacts.

The EIR must also study potential impacts on existing underground utilities and facilities resulting from the construction of the Project. Any damages to existing utilities would potentially interrupt service to the City’s residents, adversely impacting the public health and safety.

Mr. Andrew Barnsdale
January 23, 2013
Page 5

Finally, the EIR must consider the City's limitations on construction days and hours and the resulting cost to the City resulting from hiring an independent enforcement officer to ensure compliance.

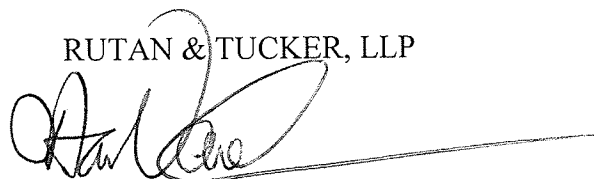
IV. The EIR Must Analyze Alternatives Including Other Locations Both Within and Outside the City of San Juan Capistrano.

CEQA requires evaluation of alternatives to the preferred alternative. A reasonable range of alternatives here must include analysis of alternative locations that do not impact historical, archeological, and cultural resources. As such, include in the analysis a location not within proximity to the City's historical and cultural resources (as discussed above) both within the City's boundaries and outside the boundaries. As this is a regional project, addressing regional concerns, the scope of reasonable alternatives necessarily includes other possible locations within the region. Further, as SDG&E has the power of eminent domain, you may not purport to limit the analysis to sites already under the control or otherwise "available" to SDG&E. Undoubtedly, for a project SDG&E considers as significant as this project, it is appropriate to exercise the power of eminent domain to acquire an appropriate, less impactful site.

This letter is a preliminary indication of the City's concerns regarding the scope of the environmental analysis to be conducted pursuant to CEQA. It is not intended to be, and is not, an exhaustive list of issues to be analyzed by SDG&E and CPUC prior to action on the application. Specifically, the City, and its residents, expect CPUC to conduct a thorough and complete public review of the potential environmental impacts that may arise due to this proposed project, and believe that such a process can identify an alternative addressing the concerns of the community as well as the needs of the region.

Very truly yours,

RUTAN & TUCKER, LLP



Hans Van Ligten

HVL:abf

**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Meeting on the Draft EIR for the Proposed South Orange County Reliability Enhancement Project
San Juan Capistrano, January 23, 2013
Reunión Pública del Proyecto Propuesto SOCRE, San Juan Capistrano, 23 de enero de 2013.

Thank you for participating in tonight's public meeting. We would like to hear your comments.
Gracias por su participación en la reunión pública esta noche. Queremos oír sus comentarios.

Note: Before including your address, telephone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment, including your personal identifying information, may be made publicly available at any time. While you may ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from individuals identifying themselves as representatives or officials of organizations or businesses will be made available for public inspection in their entirety.

Nota: Antes de añadir su dirección de postal, número de teléfono, dirección del correo electrónico, u otra información personal en su comentario, usted debe tomar en cuenta que su comentario entero, incluyendo identificación personal, pudiera estar disponible al público en cualquier momento. Aun cuando usted puede solicitarnos en su comentario que se mantenga su información de identificación personal como confidencial para la revisión pública, no podemos garantizar que estaremos en capacidad de hacerlo. Todos los comentarios de individuos que se identifiquen como representantes o funcionarios de organizaciones o empresas estarán completamente disponibles para inspección del público.

Name/Nombre: Harry Persaud
Affiliation/Organización: County of Orange
Phone/Teléfono: 714 - 667 - 9655 Email/Correo electrónico: _____
Address/Dirección: 300 N. Power St Santa Ana CA 92701

COMMENTS/COMENTARIOS

Project EIR should include impacts to and
coordination with the La Brea Project

**Comments must be received by February 8, 2013
Los comentarios serán recibidos hasta el 8 de febrero de 2013**

Send comments to/ Envíe sus comentarios a: Andrew Barnsdale, California Public Utilities Commission
Re: SOCRE Project, c/o Ecology and Environment, Inc.,
505 Sansome Street, Suite 300, San Francisco, CA 94111
Fax: (415) 398-5326 Project Voicemail/Línea de atención al usuario: 855-520-6799 email/ Correo electrónico:
SOCRE.CEQA@ene.com

**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Meeting on the Draft EIR for the Proposed South Orange County Reliability Enhancement Project
Bella Collina Towne and Golf Club, January 24, 2013
Reunión Pública del Proyecto Propuesto SOCRE, Bella Collina Towne and Golf Club, 24 de enero de 2013.

Thank you for participating in tonight's public meeting. We would like to hear your comments.
Gracias por su participación en la reunión pública esta noche. Queremos oír sus comentarios.

Note: Before including your address, telephone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment, including your personal identifying information, may be made publicly available at any time. While you may ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from individuals identifying themselves as representatives or officials of organizations or businesses will be made available for public inspection in their entirety.

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Name/Nombre: John Taylor
Affiliation/Organización: Resident of San Juan Capistrano
Phone/Teléfono: 949-496-9799 Email/Correo electrónico: Johnstaylor@msn.com
Address/Dirección: 31661 Los Rios St. San Juan Capistrano CA 92675

COMMENTS/COMENTARIOS

I oppose the SOCRE project because it is not compatible with our historic community. This is based on the following reasons:
1) the building slated for demolition has been in our city for over 100 years. It is on

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SOCRE.CEQA@ene.com

COMMENTS/COMENTARIOS

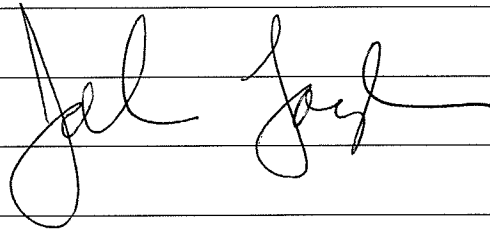
the city's list of historically significant structures. It simply should not be allowed to be demolished.

2) It is too large in scale for our community. These enhancements are to serve 130,000 homes. San Juan Capistrano which is near build out has 11,000 homes. We represent about 8% of the need and are being saddled with nearly 100% of the impact.

3) The size of the sub-station will nearly triple in size from 2 acres to over 6 acres. The scale of this will devastate the property values of the existing neighborhood that surrounds the proposed project.

4) The impact to the northern gateway to our historic town ~~will~~ will have a significant negative impact on the aesthetics of our community.

Thank you for considering an alternative location or downsizing of this project.



Question: Will there be a chance for the public to address the 5 commissioners?

Herron, Christy

From: PJ <pjd.jmj@cox.net>
Sent: Friday, January 25, 2013 5:07 PM
To: Herron, Christy
Cc: ace; SJCReeve@aol.com
Subject: Proposed So OC Reliability Enhancement Project, San Juan Capistrano 92675

25Jan13

So OC Reliability Enhancement Project, San Juan Capistrano 92675

To Whom It May Concern,

I am wondering and ask for a reply - is this project a "done deal" as it was reported to me that work has already begun at the property. Was the public hearing merely PR/propaganda deal for gullible citizens of San Juan Capistrano?

After much consideration, I have to vote NO on this project for reasons below:

- **Project is much too large for the property and neighborhood.**
- **In case of explosion or other emergency, dangerous electronics could/would endanger entire area, including my home.**
- **There are many vacant areas up the Ortega on Mission Viejo Ranch property which would be better suited for this project.**
- **This project is mainly to service the enormous homebuilding the MV Ranch has in the works so it would be better to build in the future service area.**
- **The EMS - dangerous electrical mag field has not been addressed at all. Why not?**
- **We understand SDG&E rented and staffed a building at 31521 Camino Capistrano, SJC, just to oversee, plan and do PR for this project. We are obviously paying for this in our bills and I strongly object.**

Please answer my questions/concerns as soon as possible. I will share your response with my neighbors and the newspapers.

Thank you in advance,

**PJDouglas
31775 Via Belardes
San Juan Capistrano, CA 92675**

**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Meeting on the Draft EIR for the Proposed South Orange County Reliability Enhancement Project
San Juan Capistrano, January 23, 2013
Reunión Pública del Proyecto Propuesto SOCRE, San Juan Capistrano, 23 de enero de 2013.

Thank you for participating in tonight's public meeting. We would like to hear your comments.
Gracias por su participación en la reunión pública esta noche. Queremos oír sus comentarios.

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Name/Nombre: ELse M. Byrnes

RECEIVED JAN 28 2013

Affiliation/Organización: _____

Phone/Teléfono: 949 - 493 - 4222 Email/Correo electrónico: _____

Address/Dirección: P.O. 1029 San Juan Capistrano
CA 92693

COMMENTS/COMENTARIOS

RECEIVED JAN 28 2013

Comments must be received by February 8, 2013
Los comentarios serán recibidos hasta el 8 de febrero de 2013

Send comments to/ Envíe sus comentarios a: Andrew Barnsdale, California Public Utilities Commission
Re: SOCRE Project, c/o Ecology and Environment, Inc.,
505 Sansome Street, Suite 300, San Francisco, CA 94111
Fax: (415) 398-5326 Project Voicemail/Línea de atención al usuario: 855-520-6799 email/ Correo electrónico:
SOCRE.CEQA@ene.com

SDG&E Bldg.

1/23/13

my name: I am a member of the OC Hist. Comm. and want to express my concerns regarding the possible demolition of the SDG&E Bldg.

The SDG&E building established in 1918 plays a significant role in the history and development of SJC.

The architecture is classic Georgian Revival style which was popular in the 1918.

Though the builder is unknown- you find the same architecture/design in San Diego that was used by Eugene Hoffman in 1918 when he built the SDG&E substation B

The SJC substation is located very close to the Mission and our historic downtown and to replace the present building with a 2+story building plus a 10 foot wall is totally unacceptable.

I spoke some time ago with Mr. Cave and found out that SDG&E has property outside SJC that could accommodate a new substation - he then told me that it was cheaper to bulldoze the present one in SJ than build on the property outside SJ

Director of external affairs for SDG&E

I did find out that San Diego and Sacramento preserved their 1918 substations as important historically contributing structures so why cant we have that in San Juan?

**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Meeting on the Draft EIR for the Proposed South Orange County Reliability Enhancement Project
San Juan Capistrano, January 23, 2013
Reunión Pública del Proyecto Propuesto SOCRE, San Juan Capistrano, 23 de enero de 2013.

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Name/Nombre:

Akuiw Ehrig

RECEIVED JAN 28 2013

Affiliation/Organización:

Phone/Teléfono:

949-6614845

Email/Correo electrónico:

Address/Dirección:

26501 PASEO BELARDES SSC CA 92675

COMMENTS/COMENTARIOS

Thank you for taking the time to read this. PLEASE do not let this site be expanded, now would be a good time to move sub station with all the open space that is available. As open space becomes less and less this may be last chance and best time to move sub. ELECTRO MAGNETIC FIELDS (EMF) AND MONEY. TO SAVE ONE DAD ONE MOM, SON OR DOUGHTOR OR EVEN A dog AS ONE HOME

Comments must be received by February 8, 2013
Los comentarios serán recibidos hasta el 8 de febrero de 2013

Send comments to/ Envíe sus comentarios a: Andrew Barnsdale, California Public Utilities Commission
Re: SOCRE Project, c/o Ecology and Environment, Inc.,
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COMMENTS/COMENTARIOS

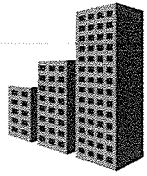
STATED AT MEETING ON 1-23-2013 IS WORTH THE MONEY TO MOVE
Sub.

LAST: MY FATHER PAST FROM METHOTHELIOOMA, NOTHING TO DO WITH EMF
but history IS VERY SAME. WITH METHOTHELIOOMA IN EARLY DAYS
DOCTORS WERE TELLING big COMPANIES THAT ASBESTOS WAS KILLING PEOPLE
but AT TIME could not MEDICALLY PROVE it. AS TIME WENT ON MEDICALLY
DOCTORS COULD PROVE ASBESTOS WAS LINKED WITH METHOTHELIOOMA.

SO HERE WE ARE TODAY WITH DOCTORS TALKING ABOUT EMF'S
but NO HARD MEDICAL PROOF.

THANKS AGAIN

ALVIN EHRIG



**South Orange County
Regional Chamber
of Commerce**



**South Orange County
Economic Coalition**

January 29, 2013

RECEIVED JAN 30 2013

RECEIVED JAN 30 2013

Mr. Andrew Barnsdale
California Public Utility Commission
RE: SOCRE Project, c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

Dear Mr. Barnsdale,

I am extremely passionate about my community - San Clemente. I am a very active resident and I pride myself on staying abreast of community happenings. San Diego Gas & Electric's South Orange County Reliability Enhancement, to rebuild and upgrade infrastructure in south Orange County, is one of the community happenings that I have been watching closely.

I have attended numerous open houses and project information meetings hosted by SDG&E thus far and have been very impressed by their willingness to share project information and to engage the community.

I am so supportive of the need for this project that I joined Citizens for Safe and Reliable Power- a coalition of local residents and businesses dedicated to the completion of the project and the provision of safe, reliable and modernized electric service to our region.

We all want a project that is right for the community. However, talking about extravagant things like undergrounding ALL of the lines and buying new property to relocate the substation must be considered carefully. We need to keep in mind that SDG&E does not pay for this project - we, the ratepayers do. I think we need to be careful about what we ask for.

Thank you for your attention to this very important matter.

Sincerely,

Beth Apodaca
Member of Citizens for Safe and Reliable Power
Resident of San Clemente

From: Leach, Jim [mailto:jiml@smwd.com]

Sent: Wednesday, January 30, 2013 3:24 PM

To: Herron, Christy

Cc: Barbara Thomas; Brian Lochrie; Duane Cave (dcave@semprautilities.com)

Subject: Comments in re: Notice of Preparation, Environmental Impact Report for the South Orange County Reliability Enhancement Project Proposed by San Diego Gas and Electric Company

I am pleased to provide the following comments relative to the above-referenced matter.

The South Orange County Regional Economic Coalition is an organization of some 450 businesses and individuals in the region dedicated to advocating for and supporting projects that will enhance the region's infrastructure and provide solutions to the significant challenges we face related to transportation, water resources, workforce development and energy reliability.

We fully support San Diego Gas and Electric's South Orange County Reliability Enhancement Project to rebuild and upgrade a portion of their infrastructure in south Orange County.

As a business group we've followed this project from its inception. We continue to be impressed by SDG&E's focus on ratepayers and the overall public benefits and impacts of the project. We are also pleased to see the regulatory process moving forward because the need for this project is so significant.

We are confident that the project is in the best interests of the businesses and residents of south Orange County. Further, we believe the project issues that were identified are appropriate and adequate for the preparation of the Environmental Impact Report for this project.

Thank you very much for the opportunity to voice our support.

Jim Leach

Chairman of the Board

South Orange County Regional Economic Coalition

Message scanned by the Symantec Email Security.cloud service. If you suspect that this email is actually spam, please FORWARD it to spamsamples@messagelabs.com

From: Carrie Arneith Miller [mailto:carrie@keenathomas.com]

Sent: Thursday, January 31, 2013 10:38 AM

To: Herron, Christy

Cc: Donna Varner; Barbara Thomas; Brian Lochrie; Cave, Duane

Subject: Comments re: Notice of Preparation, Environmental Impact Report for the South Orange County Reliability Enhancement Project Proposed by San Diego Gas and Electric Company

Dear Mr. Barnsdale,

It was a pleasure to share my public comments with you and your colleagues at the scoping meeting for San Diego Gas & Electric's South Orange County Reliability Enhancement in San Juan Capistrano.

Thank you for providing an opportunity for the community to learn more about San Diego Gas & Electric's South Orange County Reliability Enhancement and for inviting us to comment on the project impacts and issues that we see as most relevant.

As I stated at the meeting, the Chamber Board has reviewed the PUC's list of potential impacts and issues and believes that it is thorough and adequate to proceed to the EIR.

As an active member of south Orange County business community, I applaud the PUC for recognizing how critical energy reliability is for our region. I appreciate the process that has been implemented to date.

Sincerely,

Donna Varner

Chair

South Orange County Regional Chamber of Commerce

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From: Margie Chard [mailto:JPCMLC@COX.NET]
Sent: Thursday, January 31, 2013 10:06 AM
To: Herron, Christy; rvardon@ocregister.com
Subject: San Juan Capistrano plant

Dear Sirs:

I have thought long & hard about your plans to establish a “new” plant here in San Juan Capistrano. First of all this plant will be servicing the towns east of us, namely the new 14,000 homes proposed for Rancho Mission Viejo. You should not be imposing this huge endeavor in our historic town. Let Rancho Viejo use some of their land holdings for this massive intrusion. I know we all need your product but you are making us suffer the consequences of a major disruption in our lives. I have lived in San Juan Capistrano for over 40 years and my husband and I own 2 homes here and I cannot explain in words the beauty and country atmosphere we have here in San Juan. Your project does not offer a continued lifestyle for our residents. So I vote NO for your plans.

Margaret Chard

27469 Paseo Mimosa

San Juan Capistrano, a 92675

949-493-3451

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REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, ARMY CORPS OF ENGINEERS
P.O. Box 532711
Los Angeles, California 90053-2325

February 1, 2013

Regulatory Division

RECEIVED FEB 04 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300
San Francisco, CA 94111

Dear Mr. Barnsdale:

It has come to our attention that the San Diego Gas and Electric Company plan to rebuild and upgrade a portion of its transmission infrastructure in South Orange County. This activity may require a Department of Army (DA) permit from the U.S. Army Corps of Engineers

A DA permit is required for the discharge of dredged or fill material into, including any redeposit of dredged material other than incidental fallback within, "waters of the United States", including wetlands and adjacent wetlands pursuant to Section 404 of the Clean Water Act of 1972. Examples include, but are not limited to the following activities:

- a. creating fills for residential or commercial development, placing bank protection, temporary or permanent stockpiling of excavated material, building road crossings, backfilling for utility line crossings and constructing outfall structures, dams, levees, groins, weirs, or other structures;
- b. mechanized land clearing and grading which involve filling low areas or land leveling, ditching, channelizing and other excavation activities that would have the effect of destroying or degrading waters of the U.S.;
- c. allowing runoff or overflow from a contained land or water disposal area to re-enter a water of the U.S.; and
- d. placing pilings when such placement has or would have the effect of a discharge of fill material.

An application for a Department of the Army permit is available on our website:
<http://www.usace.army.mil/Portals/2/docs/civilworks/permitapplication.pdf>. If you have any

questions, please contact me at 213-452-3420 or via e-mail at Jennifer.J.Lillard@usace.army.mil.
Please refer to this letter in your reply.

“Building Strong and Taking Care of People”

Sincerely,

A handwritten signature in cursive script that reads "Jennifer Lillard". The signature is written in black ink and is positioned above the typed name and title.

Jennifer Lillard
Project Manager
South Coast Branch
Regulatory Division

NANCY HUNT
5611 COSTA MARITIMA
SAN CLEMENTE, CALIFORNIA 92673

January 29, 2013

Mr. Andrew Barnsdale
California Public Utility Commission
RE: SOCRE Project, c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

RECEIVED FEB 04 2013

RECEIVED FEB 04 2013

RECEIVED FEB 04 2013

Dear Mr. Barnsdale,

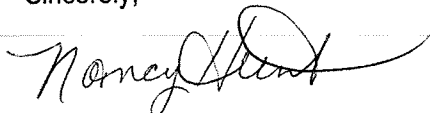
I am a resident of San Clemente and an enthusiastic member of Citizens for Safe and Reliable Power. As a member of the coalition, I have been watching the progress of the South Orange County Reliability Enhancement (SOCRE) with great interest. I want to convey my strong support for both the project and the process moving forward.

I applaud the Public Utility Commission for hosting scoping meeting and for recognizing how critical it is to engage ratepayers in a major infrastructure project that will impact so many aspects of the region. Unfortunately, I was unable to attend the meetings, but that isn't a reflection of my interest and commitment to the project – just a busy a schedule!

I urge you to support SDG&E's request to enhance reliability and safety across the region, and to allow this regulatory process to swiftly move ahead. I appreciate the thoughtful consideration that the PUC has clearly given for all the possible issues and impacts.

Thank you for your attention to this very important matter.

Sincerely,



Nancy Hunt
Member of Citizens for Safe and Reliable Power
Resident of San Clemente



T 510.836.4200
F 510.836.4205

410 12th Street, Suite 250
Oakland, Ca 94607

www.lozeaudrury.com
christina@lozeaudrury.com

RECEIVED

FEB 04 2013

Commissioner PEEVEY'S OFFICE

Via Fax, Email and U.S. Mail as Specified

February 1, 2013

Mr. Michael R. Peevey, President
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Fax: (415) 703-1758

Mr. Andrew Barnsdale
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Fax: (415) 703-1758

Orange County Clerk-Recorder
12 Civic Center Plaza, Room 101
Santa Ana, CA 92701
Fax: (714) 834-2675

Clerk of the Board of Supervisors
Orange County
333 W. Santa Ana Blvd., Room 465
P.O. Box 687
Santa Ana, CA 92702-0687
Email: mailto:cob.response@hoa.ocgov.com

Clerk of the Board of Supervisors
San Diego County
County Administration Center
1600 Pacific Highway, Room 402
San Diego, CA 92101
Fax: (619) 531-6098

Mr. Ernest J. Dronenburg, Jr.
Assessor/Recorder/County Clerk
San Diego County
County Administration Center
1600 Pacific Highway, Suite 110, Mailstop A-4
San Diego, CA 92101
Email: ARCC.FGG@sdcounty.ca.gov

Re: **CEQA and Land Use Notice Request (Public Resources Code § 21167(f)) and Comments on CEQA Notice of Preparation for the South Orange County Reliability Enhancement (SOCRE) Project (SCH 2013011011)**

Dear President Peevey, Mr. Barnsdale, Mr. Dronenburg, Jr., Clerks of the Board of Supervisors, Clerk-Recorder:

I am writing on behalf of the Laborers International Union of North America, Local Unions 652 and 89 and their members living in Orange and San Diego counties, respectively, ("LiUNA" or "Commenters") to request that the California Public Utilities Commission ("CPUC") put us on its notice list for any and all notices issued under California Planning and Zoning Law and/or the California Environmental Quality Act ("CEQA"), referring or related to the South Orange County Reliability Enhancement ("SOCRE") Project (SCH 2013011011), including any and all actions related to the rebuilding and upgrading of the existing Capistrano substation to a gas-insulated substation, the replacing of a segment of a single-circuit transmission line between the Talega and Capistrano substations with a new 7.5 mile double-circuit transmission line

and relocating several transmission and distribution line segments located near the two substations, and relocating a distribution line into new and existing underground conduit and overhead on new structures from the proposed San Juan Capistrano Substation to Prima Deschecha Landfill ("Project" or "SOCRE Project").

LiUNA hereby requests and urges the CPUC to fully comply with the California Environmental Quality Act ("CEQA"), Public Resources Code § 21000 et seq., in all aspects of the SOCRE Project, including but not limited to, preparation and consideration of any and all CEQA documents prepared for the Project, including the Draft Environmental Impact Report ("Draft EIR"), Final EIR, and any other CEQA documents prepared for the SOCRE Project, responses to any and all comments submitted by responsible agencies, members of the public, or others on the SOCRE Project, and consideration of any and all applications for licenses, permits, or any other notices or approvals sought for the SOCRE Project.

LiUNA expressly reserves the right to submit additional comments on the SOCRE Project in conjunction with both the Draft EIR and Final EIR for the Project or any other future actions taken with regard to the Project.

We hereby request that the CPUC, County of Orange, and the County of San Diego send by mail or electronic mail to our firm at the address below notice of any and all actions or hearings related to activities undertaken, authorized, approved, permitted, licensed, or certified by the agencies and any of its subdivisions, and/or supported, in whole or in part, through contracts, grants, subsidies, loans or other forms of assistance from the Agencies, including, but not limited to the following:

- Notice of any public hearing in connection with the Project as required by California Planning and Zoning Law pursuant to Government Code Section 65091.
- Any and all notices prepared pursuant to the California Environmental Quality Act ("CEQA"), including, but not limited to:
 - Notices of any public hearing held pursuant to CEQA.
 - Notices of determination that an Environmental Impact Report ("EIR") or supplemental EIR is required for a project, prepared pursuant to Public Resources Code Section 21080.4.
 - Notices of availability of an EIR or a negative declaration for a project prepared pursuant to Public Resources Code Section 21152 and Section 15087 of Title 14 of the California Code of Regulations.
 - Notices of approval and/or determination to carry out a project, prepared pursuant to Public Resources Code Section 21152 or any other provision of law.

- Notice of approval or certification of any EIR or negative declaration prepared pursuant to Public Resources Code Section 21152 or any other provision of law.
- Notice of exemption from CEQA prepared pursuant to Public Resources Code section 21152 or any other provision of law.
- Notice of any Final EIR prepared pursuant to CEQA.

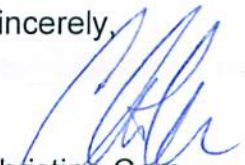
Please note that we are requesting notices of CEQA actions and notices of any public hearings to be held under any provision of Title 7 of the California Government Code governing California Planning and Zoning Law. **This request is filed pursuant to Public Resources Code Sections 21092.2, and 21167(f) and Government Code Section 65092**, which require local agencies to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body.

Please send notice by electronic mail to:

Richard Drury
Christina Caro
Stacey Osborne
Lozeau Drury LLP
410 12th Street, Suite 250
Oakland, CA 94607
richard@lozeaudrury.com; christina@lozeaudrury.com;
stacey@lozeaudrury.com

Please call should you have any questions. Thank you for your attention to this matter.

Sincerely,



Christina Caro
Lozeau | Drury LLP

Herron, Christy

From: klefner <klefner@cox.net>
Sent: Tuesday, February 05, 2013 9:15 PM
To: Herron, Christy
Subject: Letter opposing the SOCRE Project
Attachments: SDGE - PUC letter.doc

Dear Mr. Barnsdale,

Please see attached letter in re: SDG&E's proposed SOCRE Project in San Juan Capistrano.

Thank you,

Kimberly Lefner
San Juan Capistrano

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February 4, 2013

Andrew Barnsdale
California Public Utilities Commission
Re: SOCRE Project, c/o Ecology and Environment, Inc.
5050 Sansome St., Ste. 300
San Francisco, CA 94111

Dear Mr. Barnsdale,

As a resident of San Juan Capistrano (SJC), I wish to register my opposition to SDG&E's proposed "Reliability Enhancement Project" in the middle of our town.

The existing substation is small and has been there for decades. It sits at the Northern entrance to our historic downtown, home to Mission San Juan Capistrano and the oldest still-active neighborhood in California.

In the years since it was built, neighborhoods and schools have sprouted up all around the existing substation. To double the size of it, covering **6.4 acres** in the middle of family neighborhoods and schools is completely inappropriate and quite possibly dangerous to the health of those exposed to it.

If approved, this project will **more than double** the voltage on the transmission lines throughout our town. SDG&E admits that EMF levels will likely increase as a result.

SDG&E says they're "taking measures" to reduce the EMF but they can't guarantee that we won't be exposed and they can't say by how much, because they don't know.

If no one can say with certainty that this will have no measurable impacts, why risk it at all?

It's funny that SDG&E calls this a "reliability" project. I asked SDG&E if this expansion would have prevented the 12-hour loss of power we experienced in 2011. They admitted no, it would not have; that outage was due to a problem elsewhere on the grid. I learned that reliability is a PR term sometimes used by utility companies to overcome objections by residents. PG&E stated as much in a public relations document posted online.

SDG&E in fact admits that this is being proposed in order to accommodate "regional needs", not San Juan needs. In fact, San Juan will get less than 10% of the power generated from this. I understand the need to accommodate new development, but San Juan is built out. We do not have increased needs like other cities. Our little town should not be made to take the brunt of the impacts.

SDG&E admitted they can build this new substation outside of San Juan, away from people. I encourage the CPUC to reject this project in SJC, and to encourage SDG&E to move it out of our neighborhoods and away from the middle of historic San Juan. There are just too many impacts and too many unknowns.

Please, do not approve this severe impact on our small town.

Thank you,

Kimberly Lefner
San Juan Capistrano, CA 92675

Herron, Christy

From: kathleen petersen <ktpetersen@msn.com>
Sent: Tuesday, February 05, 2013 11:24 AM
To: Herron, Christy
Subject: South Orange County Reliability Project
Attachments: Feb 2013 document HOA.doc

CPUC:

Please find attached a letter of concern from Las Brisas Homeowners Association concerning the SOCRE project.

Thank You for your attention to these concerns for our homeowners.

Sincerely,

Kathleen Petersen, HOA President

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February 5, 2013

Re: SOCRE.

From: Kathleen Petersen, Pres Las Brisas HOA aka Capistrano Gardens Homeowners Assoc. #2, 31121 Via Santo Tomas, San Juan Capistrano, CA 92675

I represent the 178 homeowners of the LasBrisas HOA that borders Calle Bonita on the South directly across the street from the SDG&E substation. **Naturally we are quite concerned about the safety and exposure of our homeowners.**

We have **homes** directly facing north across the street from the substation

And other **homes** whose yards look onto the project and **10 homes** up on San Vicente whose backyards are within a few feet of the electrical lines running through the Serra Park. All 178 of our homes are within the 35-40 acres directly south of Bonita and to the freeway on the east and Camino Capistrano to the west.

Our concerns and requests are:

1. Realizing that when the substation was built there were no homes in the area and no concerns of health and safety. We would like you to consider requiring that the substation be moved to a less populated area. **There are no proven** studies that we know of on the safety of such electrical lines as far as the electro magnetic field is concerned.
2. In addition to our homes there are homes to the north of the substation as well as two schools and condominiums nearby. **There are also concerns about property values.**
3. Also Las Brisas borders the Historic Mission Hill homes on some of our Southern border. San Juan is a historic village. We believe that this project has **no place in such close proximity to our historic downtown.**

Alternatives

1. If the substation cannot possibly be moved we would like:
 - A. To see all wires underground east to the freeway and west to the creek.
 - B. New buildings be kept within the San Juan Capistrano height limits and have a permanent appearance.
 - C. The wall surrounding the project that faces Calle Bonita should reflect the same Mission style chosen for the building facing Camino Capistrano.
In summary please no plain metal buildings or block walls. Today's building materials are amenable to adding color and design.
2. SDG&E to be responsible for surrounding the project with trees and landscaping to camouflage it as much as possible and maintain the landscaping.

3. We would also ask that SDG&E landscape and maintain the southern slope of their property between their wall or fence and Calle Bonita., the right of way property.

To Summarize

1. Our first choice is to make it disappear

2.If it stays—make it safe for our families and put the wires underground—safety is our biggest concern here.

3. If it stays build it and landscape it to fit old San Juan and pleasing to our aesthetic sensitivities

4. Thank you for hearing our concerns

Sincerely,

Kathleen Petersen Las Brisas HOA President

Herron, Christy

From: Mark Zane <markzane@aol.com>
Sent: Tuesday, February 05, 2013 11:39 AM
To: Herron, Christy
Cc: markzane@aol.com
Subject: SOCRE Bella Collina Golf Appl #A.12-05-020
Attachments: BellaCollinaSOCREFeb2,2013.docx

Att: Andrew Barnsdale

Attached is comments to the proposed SCGE SOCRE Project Appl #A.12-05-020.

Thank you for your efforts and I look forward to future collaboration.

Mark Zane
Bella Collina Towne and Golf Club
714 299-7981

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February 2, 2013

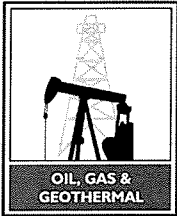
As the owner of Bella Collina Towne and Golf Club I am aware of the necessity of maintaining and upgrading the utility services for our communities. Our property is directly adjacent to or abuts approximately one mile of proposed transmission pole replacements.

Bella Collina prides itself on the beauty and tranquility of the course and in addition to golf provides a venue for weddings and many outdoor events.

Concerns arise over the construction project, the scope, duration, safety requirements, and interruption to the operations of the club. The possibility of significant loss of revenue due to the response of members, guests and potential clients needs to be addressed. Memberships may be lost and weddings may not be booked if the projects construction interferes with the peaceful enjoyment of the venue.

I look forward to coordinating your with our needs and concerns.

Mark Zane
Bella Collina Towne and Golf Club



DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

5816 Corporate Avenue • Suite 200 • CYPRESS, CALIFORNIA, 90630-4731

PHONE 714 / 816-6847 • FAX 714 / 816-6853 • WEBSITE conservation.ca.gov

January 31, 2013

RECEIVED FEB 05 2013

Andrew Barnsdale
CPUC / RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300
San Francisco, CA 94111

Dear Mr. Barnsdale:

NOTICE OF PREPARATION (NOP) ENVIRONMENTAL IMPACT REPORT (EIR) FOR THE SOUTH ORANGE COUNTY RELIABILITY ENHANCEMENT PROJECT

The Department of Conservation's Division of Oil, Gas, and Geothermal Resources (Division), Cypress office, has reviewed the above referenced project. Our comments are as follows.

Your proposed project is located within the administrative boundaries of Orange County. There are several abandoned wells and an idle well within or adjacent to your proposed project. These wells are located on Division map W1-4 and in Division records.

The Division is mandated by Section 3106 of the Public Resources Code (PRC) to supervise the drilling, operation, maintenance, and plugging and abandonment of wells for the purpose of preventing: (1) damage to life, health, property, and natural resources; (2) damage to underground and surface waters suitable for irrigation or domestic use; (3) loss of oil, gas, or reservoir energy; and (4) damage to oil and gas deposits by infiltrating water and other causes. Furthermore, the PRC vests in the State Oil and Gas Supervisor (Supervisor) the authority to regulate the manner of drilling, operation, maintenance, and abandonment of oil and gas wells so as to conserve, protect, and prevent waste of these resources, while at the same time encouraging operators to apply viable methods for the purpose of increasing the ultimate recovery of oil and gas.

The scope and content of information that is germane to the Division's responsibility are contained in Section 3000 et seq. of the Public Resources Code (PRC), and administrative regulations under Title 14, Division 2, Chapter 4 of the California Code of Regulations.

If any structure is to be located over or in the proximity of a previously plugged and abandoned well, the well may need to be plugged to current Division specifications. Section 3208.1 of the Public Resources Code (PRC) authorizes the State Oil and Gas Supervisor (Supervisor) to order the reabandonment of any previously plugged and abandoned well when construction of any structure over or in the proximity of the well could result in a hazard.

An operator must have a bond on file with the Division before certain well operations are allowed to begin. The purpose of the bond is to secure the state against all losses, charges, and expenses incurred by it to obtain such compliance by the principal named in the bond. The operator must also designate an agent, residing in the state, to receive and accept service of all orders, notices, and processes of the Supervisor or any court of law.

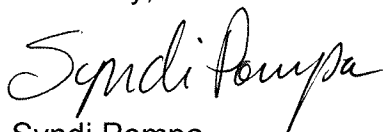
Written approval from the Supervisor is required prior to changing the physical condition of any well. The operator's notice of intent (notice) to perform any well operation is reviewed on engineering and geological basis. For new wells and the altering of existing wells, approval of the proposal depends primarily on the following: protecting all subsurface hydrocarbons and fresh waters; protection of the environment; using adequate blowout prevention equipment; and utilizing approved drilling and cementing techniques.

The Division must be notified to witness or inspect all operations specified in the approval of any notice. This includes tests and inspections of blowout-prevention equipment, reservoir and freshwater protection measures, and well-plugging operations.

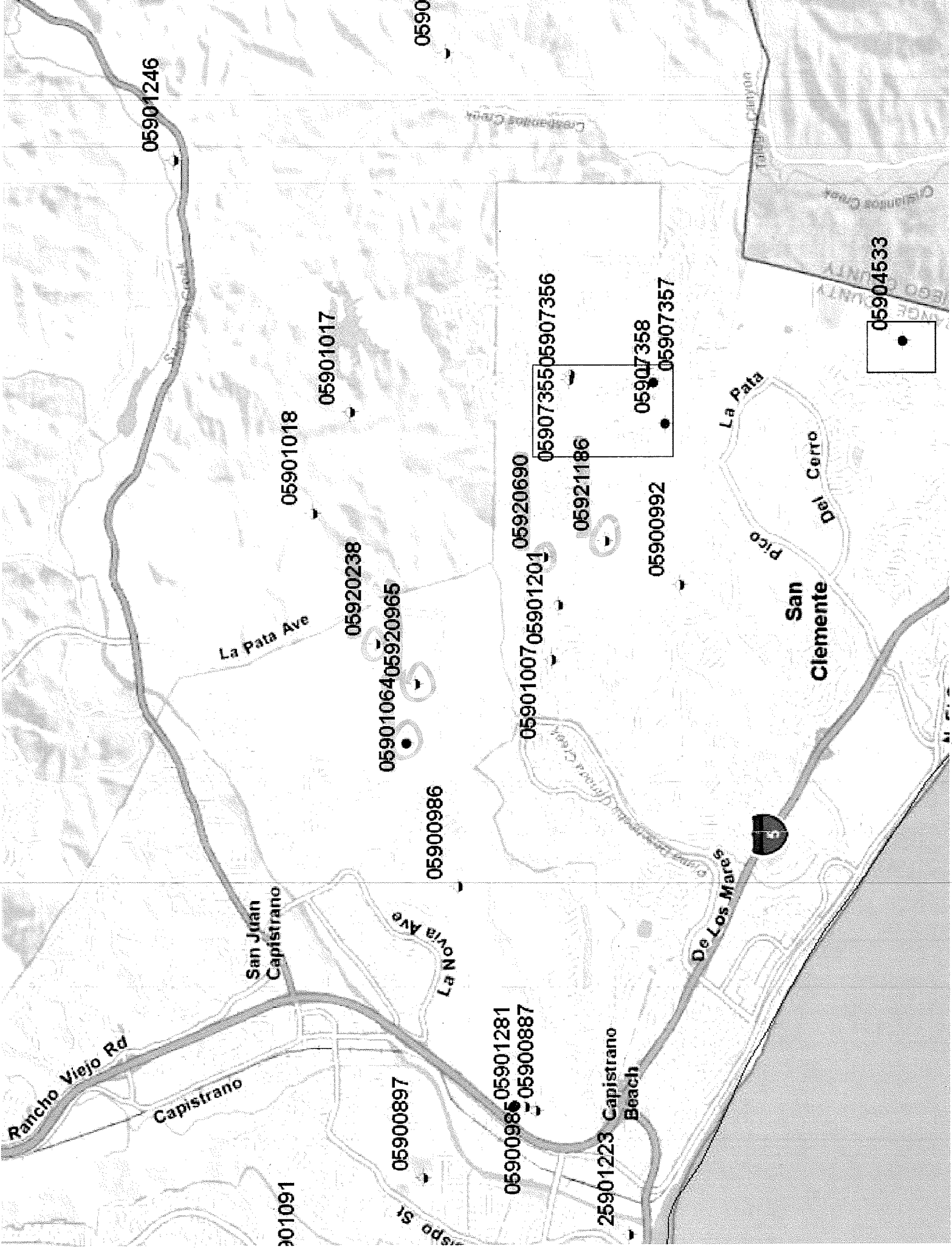
The Division recommends that adequate safety measures be taken by the project manager to prevent people from gaining unauthorized access to oilfield equipment. Safety shut-down devices on wells and other oilfield equipment must be considered when appropriate.

If any plugged and abandoned or unrecorded wells are damaged or uncovered during excavation or grading, remedial plugging operations may be required. If such damage or discovery occurs, the Division's Cypress district office must be contacted to obtain information on the requirements for and approval to perform remedial operations.

Sincerely,

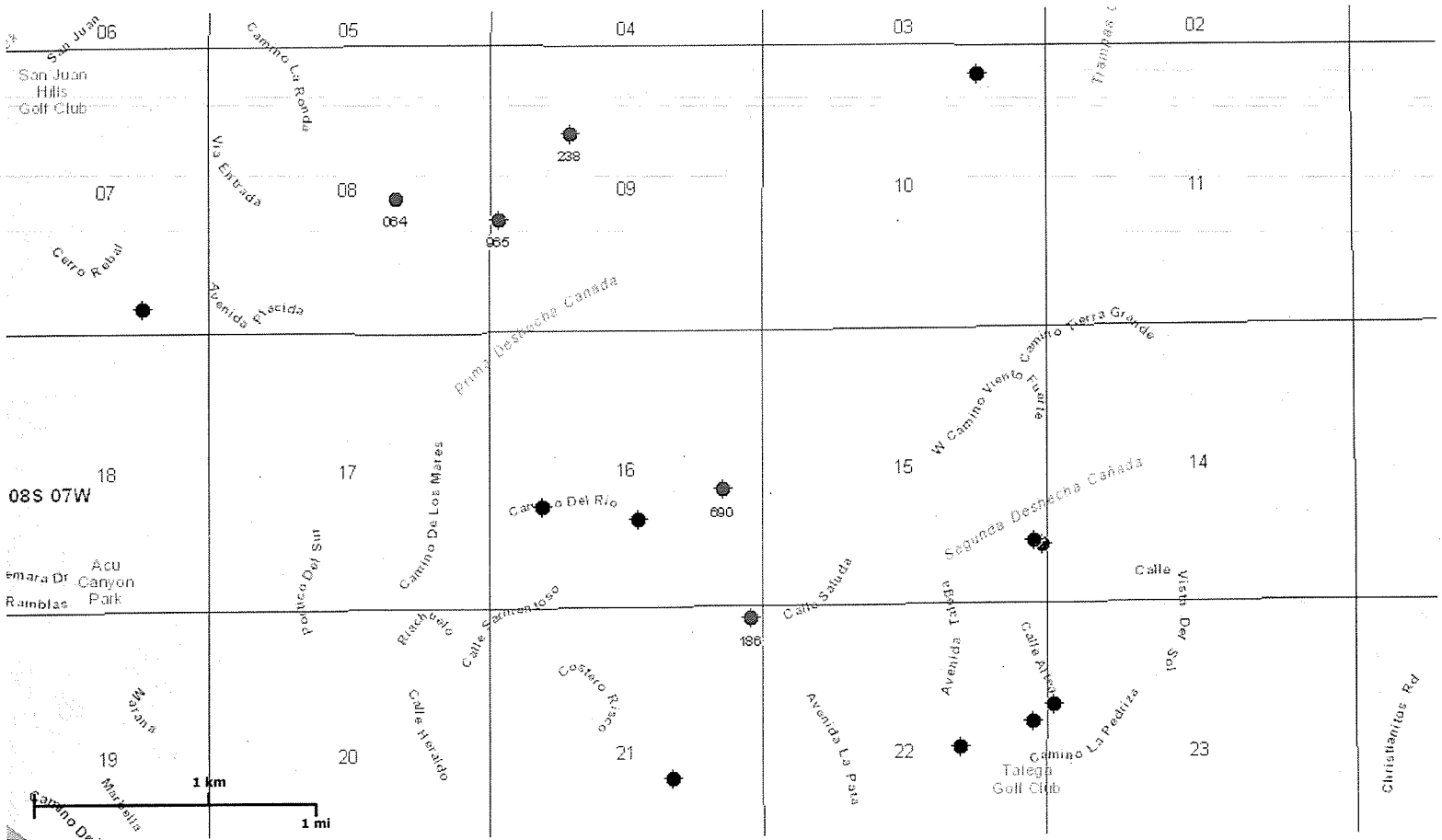


Syndi Pompa
Associate Oil & Gas Engineer - Facilities
Enclosure: 2 maps and well list



South Orange County Reliability Enhancement Project

DOGGR Online Mapping System (DOMS)



Disclaimer: The well information and data represented on this site varies in accuracy, scale, origin and completeness and may be changed at any time without notice. While the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOC) makes every effort to provide accurate information, DOC makes no warranties as to the suitability of this product for any particular purpose. Any use of this information is at the user's own risk.

For further information or suggestions regarding the data on this site, please contact the Division of Oil, Gas, and Geothermal Resources, Technical Services Unit at 801 K St, MS 20-20, Sacramento, CA, 95814 or email doggrwebmaster@conservation.ca.gov.

California Department of Conservation, Division of Oil, Gas and Geothermal Resources.

Printed on: Jan 31 - 2:42:05 PM

URL - <http://maps.conservation.ca.gov/doms/>



API	Operator Name	Lease Name	Well #	Well Type, Status	Lat, Long
05920 690	George L. Guthrie	M & J Forster	1	OG Plugged	33.47552 -117.61091
05921 186	Conley & Associates Inc.	Conley-Estrella	21-14	OG Plugged	33.468939 -117.609139
05920 965	Chevron U.S.A. Inc.	Reed-Krum	1	OG Plugged	33.489292 -117.62467
05901 064	Mineral Exploration Co., Ltd.		1	OG Idle	33.490384 -117.630987
05920 238	Northlode Expl. Ltd.	Regents Of The Univ. Of Calif.	1	OG Plugged	33.493683 -117.620288

Herron, Christy

From: Grant Taylor <GTaylor@sanjuancapistrano.org>
Sent: Wednesday, February 06, 2013 7:26 PM
To: Herron, Christy
Cc: 'Robert Cardoza' (rcardoza@nuvis.net); Robert Williams (rob@studio6architects.com); Bill Ramsey
Subject: FW: Attached Image
Attachments: 0857_001.pdf

RE: South Orange County Reliability Enhancement Project (SOCRE) comments

Andrew Barnsdale
California Public Utilities Commission
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #c00
San Francisco, CA 94111

Dear Mr. Barnsdale,

Thank you for meeting with City of San Juan Capistrano staff and conducting the EIR scoping meeting January 23, 2013. Attached is a letter from Robert Cardoza. Thank you for your consideration.

Grant Taylor, Director
Development Services Department
(949) 234-4410

From: Administrator
Sent: Wednesday, February 06, 2013 7:20 PM
To: Grant Taylor
Subject: Attached Image

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INTRODUCTION

February 4, 2013

Robert Cardoza, resident and member of SDG&E Aesthetics Review Committee for the city.

Thank you for the opportunity to address this City Council during the environmental review and preparation of the Environmental Impact Report.

SDG&E has had several community meetings and open forums regarding this South Orange County Reliability Enhancement Project. While others have expressed the questioned location and massive improvements for this Industrial endeavor, my comments will focus on the aesthetics to the neighborhood and Pedestrian Green Way Corridor of Camino Capistrano.

SDG&E has stated in their application for a certificate of Public Convenience and Necessity for the South Orange County Reliability Enhancement Project, the care and consideration to the following factors:

1. Community values
2. Recreational and park areas
3. Historical and aesthetic value
4. Influence on the environment

Further state: The Proposed project has been designed in consideration of community values, recreational and park areas, historical and aesthetic value, and influence on the environment.

However, there appears to be a conflict with statements made in the application and failure to propose mitigation measures that benefit the visual quality of environment of the substation:

- Encroaching on the green way corridor at Camino Capistrano and adjacent neighborhood streets and homes. (by 10 feet @ Camino Capistrano)
- Retention of overhead power lines at the perimeter of the property where lines are located underground on ^{South} either side of the substation at Camino Capistrano.
- Employing green buffer restrictions of plant height and spread density for screening and to soften the visual quality of neighborhood. (This eliminates an opportunity to blend the landscape with established trees and shrubbery.)
- No climbing vines are permitted to be attached to soften the impact of the prominent new stark walls or fences as proposed.
- Proposed architecture that replaces the historical architectural structure is not sensitive to community and historical values of the city of San Juan Capistrano. (little effort to retain main existing structure.)

- Proposed ten foot height wall to screen prominent fifty foot building is not adequate nor acceptable to screen the proposed Metal bldg. at Camino Capistrano. It is an intrusion to common sense, visual character and green aesthetic core values.

Comments by SDG&E

Section 4.1 of the PEA confirms that the Proposed Project will have no significant adverse environmental impact on aesthetics. Specifically, the PEA confirms that the Proposed Project will not substantially impact scenic vistas, damage scenic resources within a scenic highway, or substantially degrade the existing visual character or quality of the Proposed Project area.

The city has established an “Aesthetics Mitigation Team” to address these concerns. However, requests by the city’s representation to have the SDG&E architect and Landscape architects as part of the Design group have not been met.

Herron, Christy

From: Newcomer, Michelle G HHHH <Michelle.Newcomer@Cigna.com>
Sent: Wednesday, February 06, 2013 2:29 PM
To: Herron, Christy
Subject: SOCRE Project - comments

Hello,

I have a few comments I'd like to make regarding this project. My husband and I live in the guard-gated Valinda neighborhood over on Vista Montana/La Pata where the 4 sub-stations are located in San Juan. 2 are located by each gate entrance. When we purchased this home in Nov of 2012, we were NOT told about the possibility of elevated electrical levels through these stations nor additional stations, as the current 4 are proposed to be 6. Come to find out, after inquiring with our new neighbors, they were not told of this either when they purchased their home. No one can find it in their contract....and as far as I'm aware this was to be disclosed to any new buyer. We would not have purchased knowing there would be additional wattage/voltage. That would instantly decrease the value of the brand new built home we purchased.

We were just fine with what we signed up for (as we could visually see it and had a few friends tell us that we were in an "okay" distance from the current stations).

None of our neighbors were made aware of the meeting in San Juan to voice their opinion either. We did receive an overnight FedEx from San Francisco alerting us to attend the day prior, but somehow no one else on our street, Via Zamora, did. I find that odd.

I am concerned about the following:

- 1.) La Pata and Vista Montana are two narrow (1-2 laned) roads that are proposed to be torn up through this process. There is no other route into our home and La Pata is already torn up given construction to build the 4000 proposed new homes on La Pata/Antonio/Ortega. Vista Montana and La Pata are the ONLY entrances (you need to use both streets) into our neighborhood and into San Juan Hills High School. We share the same narrow entrances/exits. There is physically no other road that enters into the high school or our homes. How do we get to our home if they tear up the streets? For how long will this go on? As well, La Pata is the ONLY entrance into the dump. How do you propose big dump trucks being able to navigate through the narrowed/closed streets. Hundreds of cars navigate down this one lane street (La Pata) daily and now they want to close it off for construction?
- 2.) By increasing the voltage/wattage/whateverage of these 4 stations, you are increasing the potentially toxic levels to hundreds of children daily....and hundreds of new children each year. As this is a high school.....new kids filter in and out every year! As for the families that live in this 100 home neighborhood, we were not aware of more poles (as they want to increase the 2 poles to 3 on each side making it 6 bigger sub station poles versus the 4 smaller ones that we see today). This is dangerous to our residents in my mind. The current 4 (proposed 6 sub stations) border my street of Via Zamora.
- 3.) We live out by the dump....in a safe range from any gaseous fumes, etc (as this is a Green wasteland)....and now they want to put more electrical in because we ARE near a dump....not thinking that it would bother anyone or create any issues. Needless to say that this portion will create a mess of traffic issues, increased electrical in CLOSE proximity to hundreds of home owners and thousands of children year after year!

- 4.) There are other schools affected (elementary schools) on Del Obispo near Camino Capistrano where the San Juan station is being proposed. Electrical wires run right over these schools. Increased electricity/voltage, etc poses potential more risk to these children.
- 5.) There is PLENTY of free space land that is not used currently on the other side of Ortega Highway and La Pata that the sub-stations (meaning the 4 current/6 proposed ones) can be moved to. We would much rather see them move further away if they have to go in. The two at the entrance by the high school/second community gate could be moved over the hill towards inland San Juan.....that way NO one would see them and they would be moved to open land away from people. Win/Win!
- 6.) Given that the proposed 6 substations and additional electrical have nothing to do with San Juan homes.....they are being built to account for the 4000 new homes being build in Rancho Mission Viejo (corner of Antonio/Ortega) and elsewhere, why aren't these proposed stations/poles being put over there.....where the bare land exists today and the contractors can build them into the plans.....for THOSE homes that they are intended for. What....would that lower the sale price of the new homes? So, SDG&E would rather lower the home values of the existing properties instead of new property? Do they get a cut of the new sales?? There is no reason to build onto the existing poles that don't effect our community. Build them in an area that they are for! Put the ginormous proposed San Juan Station out towards Lake Elsinore....there is so much open land and no one would even see these things. Everyone wins!
- 7.) I realize that the "cheapest" way for SDG&E to do this project is to use their existing land.....but this is truly not the safest in the long run. Spend the extra money to move these poles/stations to a safer environment for all for generations to come....out of harms way for the thousands of kids going to these schools, out of the way of the homeowners who JUST purchased homes in these communities.
- 8.) Is there another way? Leave what is there and add new poles in the new communities....where the power is needed? Since we, here in Valinda, don't need new poles nor extra energy, why can't SDG&E build new sub stations (there proposed additions to each side of our neighborhood) elsewhere....by the new homes where they are needed. We don't want to see any more poles. We signed up for 2 sub stations on each side....we didn't sign up for 3 bigger and more powerful ones on each side.
- 9.) I work for a healthcare company. My "wellness" hat says that we are to promote healthy wellness in our world and help prevent sickness and disease as much as we can through wellness programs (weight loss, smoking cessation, etc). By increasing power levels, you put people at an increased risk for negative health effects down the road (maybe leukemia, maybe a form of cancer, etc.) I know there is not a whole lot of proven evidence to support this, but if you increase the health risks you, in turn, increase the cost to treat these risks and in turn add to the already increased medical premiums that people will face in 2014 due to the Health Care Reform Act passed by Obama. Just saying....

Thank you for listening!

Sincerely,

Michelle Newcomer

29250 Via Zamora

San Juan Capistrano, CA 92675

949-202-6639

mgnewcomer@yahoo.com

Michelle.newcomer@cigna.com

Herron, Christy

From: Stephanie Ponce <Stephanie.Ponce@wildlife.ca.gov>
Sent: Wednesday, February 06, 2013 3:18 PM
To: Herron, Christy
Subject: SOCRE NOP- extension for comments

Mr. Andrew Barnsdale,

The Wildlife Agencies would like to request an extension of the comment for the NOP of a Draft EIR for the Southern Orange County Reliability Enhancement (SOCRE) Project. We currently have scheduled a meeting between the CPUC, Ecology & Environmental Inc. (ENE) and the Wildlife Agencies on Tuesday, February 12, 2013. We would like the opportunity to reflect discussions and implications of this meeting, into our comment letter of the NOP. Thank you for your consideration,

Stephanie R. Ponce
Environmental Scientist, NCCP
Dept. of Fish & Wildlife
3883 Ruffin Rd.
San Diego, CA 92123
Stephanie.Ponce@Wildlife.ca.gov
(858) 467-4237 w
(858) 467-4299 fax

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**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Meeting on the Draft EIR for the Proposed South Orange County Reliability Enhancement Project
San Juan Capistrano, January 23, 2013
Reunión Pública del Proyecto Propuesto SOCRE, San Juan Capistrano, 23 de enero de 2013.

Thank you for participating in tonight's public meeting. We would like to hear your comments.
Gracias por su participación en la reunión pública esta noche. Queremos oír sus comentarios.

Note: Before including your address, telephone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment, including your personal identifying information, may be made publicly available at any time. While you may ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from individuals identifying themselves as representatives or officials of organizations or businesses will be made available for public inspection in their entirety.

Nota: Antes de añadir su dirección de postal, número de teléfono, dirección del correo electrónico, u otra información personal en su comentario, usted debe tomar en cuenta que su comentario entero, incluyendo identificación personal, pudiera estar disponible al público en cualquier momento. Aun cuando usted puede solicitarnos en su comentario que se mantenga su información de identificación personal como confidencial para la revisión pública, no podemos garantizar que estaremos en capacidad de hacerlo. Todos los comentarios de individuos que se identifiquen como representantes o funcionarios de organizaciones o empresas estarán completamente disponibles para inspección del público.

Name/Nombre:

Lawrence Kramer

RECEIVED FEB 06 2013

Affiliation/Organización:

San Juan Capistrano City Council

Phone/Teléfono:

949-842-4784

Email/Correo
electrónico:

larrykramer11@att.net

Address/Dirección:

28371 Paseo Estadio, San Juan Capistrano,
CA 92675

COMMENTS/COMENTARIOS

Please See attached

**Comments must be received by February 8, 2013
Los comentarios serán recibidos hasta el 8 de febrero de 2013**

Send comments to/ Envíe sus comentarios a: Andrew Barnsdale, California Public Utilities Commission
Re: SOCRE Project, c/o Ecology and Environment, Inc.,
505 Sansome Street, Suite 300, San Francisco, CA 94111
Fax: (415) 398-5326 Project Voicemail/Línea de atención al usuario: 855-520-6799 email/ Correo electrónico:
SOCRE.CEQA@ene.com

Comments by Councilman Larry Kramer on the proposed South Orange County Reliability Enhancement Project primarily located in San Juan Capistrano.

This substation is being planned in the middle of a residential area in a very historic town. I would prefer to see it elsewhere.

I am looking forward to seeing what other options are available since the only choices that have been presented are either to build or not to build. We have not been provided any options to choose from or comment on.

I understand the need to upgrade the substation since the earlier technology is now obsolete, replacement parts are likely non-existent or difficult to obtain and an upgrade is likely needed to improve system reliability. Further, I understand having redundant power sources would increase the reliability of the system. But, our city and the surrounding cities are near build-out so it is difficult to understand why it is necessary to double the capacity of this substation. Further my understanding is that only a small portion of the service provided is to San Juan Capistrano and yet we are bearing the full burden of this major system and four to five years of upheaval during the construction period.

I have some specific requests for you to consider:

- Housing the substation in a building is preferable to the current open-air system.
- The buildings should be as low to the ground as possible. If possible, the structures should be underground with grass or native plants growing over them.
- If that cannot be accomplished, then the front of the present almost a century-old building should be retained. That would hide much of the industrial equipment from the street view and is more in keeping with maintaining the historical look. (The back wing of the building can be demolished.)

- The walls surrounding the entire site should be in keeping with our city's look on all sides; not just on Camino Capistrano.
- The walls should be comparable in appearance to those surrounding the San Juan Capistrano Mission or some of the nearby walled neighborhoods.
- Some façade structures should be incorporated into the design to disguise the industrial equipment contained behind the walls.

It would be nice, esthetically, if the overhead wires traversing the park prior to entering the substation were all undergrounded. The same can be said for the wires leaving the substation crossing Camino Capistrano. I say that with one major reservation and lack of knowledge: if the EMF to those in the park area is worse with undergrounding and exceeds industrial specifications for inhabited areas, such as parks, then that is likely not a good option.

We have neither knowledge of the level of EMF currently emanating from the substation nor any idea how it would compare to the levels after the upgrade. That information should be provided. Similarly we do not know what the EMF is from the current high voltage lines and how it will compare to EMF levels after construction. The public should also be given that information.

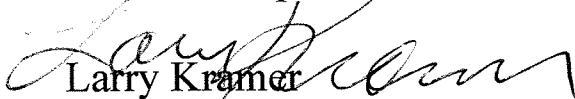
The proposed system will use a gas-quenched system versus the current air-quenched system. What is the hazard from the gas? Are there other chemicals to be stored or used at the site and what are they and in what quantity?

I just found out about a new 12Kv system being installed as part of this upgrade. It was not clear if the poles supporting this system will be in the city.

Some people adjacent to the property have indicated a desire to be relocated. That option should be made available to them. In addition to changing the look of their neighborhood, these unfortunate people will have to endure nearly 5 years of noise and dust and the inconvenience of construction.

My first choice is that the new substation not be located in a populated area of our city, my second choice is that you examine what is needed and not build anymore than is absolutely required and lastly that if all else fails it be disguised to blend in as much as possible with a residential community in a city that treasures its history.

While I am on the City Council of San Juan Capistrano these comments reflect my own views although I feel many people of San Juan Capistrano share them.


Larry Kramer
28371 Paseo Establo
San Juan Capistrano, CA 92675

Larrykramer11@att.net

949-842-4784



RECEIVED FEB 06 2013

January 29, 2013

Mr. Andrew Barnsdale
California Public Utility Commission
RE: SOCRE Project, c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

Dear Mr. Barnsdale,

It was a pleasure to share our public comments with you and your colleagues last night at the scoping meeting for San Diego Gas & Electric's South Orange County Reliability Enhancement in San Juan Capistrano.

Thank you for providing an opportunity for the community to learn more about San Diego Gas & Electric's South Orange County Reliability Enhancement and for inviting us to comment on the project impacts and issues that we see as most relevant.

As I stated last evening, the Chamber Board has reviewed the PUC's list of potential impacts and issues and believes that it is thorough and adequate to proceed to the EIR.

As active members of south Orange County business community, we applaud the PUC for recognizing how critical energy reliability is for our region. We appreciate the support the process that has been implemented to date.

Sincerely,

A handwritten signature in cursive script that reads "Donna Varner".

Donna Varner
Chair
South Orange County Regional Chamber of Commerce



RECEIVED FEB 06 2013

January 29, 2013

...

RECEIVED FEB 06 2013

Mr. Andrew Barnsdale
California Public Utility Commission
RE: SOCRE Project, c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

Dear Mr. Barnsdale,

As Chair of the Economic Coalition, my colleagues and I advocate for projects that will enhance the region's infrastructure and provide comprehensive solutions for the significant challenges we face related to energy reliability, transportation and water resources.

It is a pleasure to speak to you this evening to speak about San Diego Gas & Electric's South Orange County Reliability Enhancement to rebuild and upgrade a portion of the infrastructure in south Orange County.

The Economic Coalition has been following this project closely for many months and we continue to be impressed by SDG&E's focus on their ratepayers and the overall public benefit. We are pleased to see the regulatory process is moving forward, because the need for this project is so significant.

We fully support the project and the Coalition is confident that the project is in the best interest of the businesses and residents of south Orange County. Further, we have found the project issues to be justified and completely adequate for the preparation of an Environmental Impact Report.

Sincerely,

A handwritten signature in black ink, appearing to read "James M. Leach".

James M. Leach
Chair, South Orange County Economic Coalition
Director, South Orange County Regional Chamber of Commerce

Herron, Christy

From: Quigley CIV Kenneth W <kenneth.quigley@usmc.mil>
Sent: Thursday, February 07, 2013 4:09 PM
To: Herron, Christy
Cc: Christensen CIV Walter J; Eckenroad CIV Colleen T; Rannals CIV Larry D
Subject: Comments Re: Notice of Preparation - South Orange County Reliability Enhancement project
Attachments: Comments SOCRP.docx

Mr. Barnsdale,

Attached are comments on the subject project submitted by Marine Corps Base Camp Pendleton's Environmental staff.

If there are any questions regarding the comments or if additional information is required please contact me.

Sincerely,

Ken Quigley
Strategic/Regional Environmental Planner
Strategic Planning Section,
Building 22165
MCIWEST_MCB
Box 555008
Marine Corps Base Camp Pendleton, CA 92055-5008
(760) 725-9733
DSN: 365-9733
FAX -9722

**Comments/Response Matrix
SOCRE NOP
Dated 9 January 2013
MCB Camp Pendleton
February 6, 2013**

#	Page	Sec/Para/Line	By	Comment	Response
1			Military Munitions / Chris Giberson	<p>If operations related to this project are planned on or adjacent to a former or current operational range, caution should always be used when digging, drilling, grading, or any earth movement occurs. When excavation, grading, and/or digging occurs within the boundaries of a former or current range, all work shall be accomplished with every effort to prevent the spread of any potential contamination or release of any potential existing contaminants to the environment in accordance with all Federal, State and local laws, regulations and instructions. Work shall also be accomplished in accordance with EPA Best Management Practices for Outdoor Shooting Ranges (EPA-902-B-01-001), the Resource Conservation and Recovery Act (RCRA), the Clean Water Act (CWA), 40 CFR 260 (Federal Hazardous Waste Regulations), and CA Title 22 (California Hazardous Waste Regulations).</p> <p>All range soil will remain within the range boundary and shot fall area and will continue to be used for the same purpose. If any soil is to be removed from the range, appropriate hazardous constituent sampling and testing shall be completed in accordance with the guidance listed above. If soil is determined to be considered hazardous waste, it shall be packaged, stored, and shipped in accordance with 40 CFR and CA Title 22 above. Also, if any wood and construction debris to be removed has been used in live fire training and received impact from rounds, the debris should be sampled for lead and other constituents. If the wood and debris is determined to be considered hazardous waste, it shall be packaged, stored, and shipped in accordance with 40 CFR and</p>	

				<p>CA Title 22 above. All hazardous waste manifests shall be signed by the Hazardous Waste Branch, AC/S Environmental Security. If solid Lead or Copper is removed from the range, it may be recycled in accordance with the base Qualified Recycling Program (QRP) regulations. If Unexploded Ordnance is found, the "Three Râ€™s" method should be used. Recognize, immediately Retreat, and Report to the Provost Marshall's Office at (760) 725-3888 or dial 911 immediately.</p>	
2			<p>Installation Restoration / Dina Facchini</p>	<p>1) There are no active IR, or Underground Storage Tank (UST) sites located within 500-feet of the proposed project footprint. However, if soil contamination (discolored and or odorous) is discovered during construction the action proponent will ensure soil is properly evaluated and managed.</p> <p>2) No monitoring wells were identified within the proposed project footprint, however, if monitoring wells are encountered during construction activities, they are not to be damaged or destroyed, and the IR branch should be alerted. Reconstruction/renovation of destroyed or damaged wells is the responsibility of the project proponent.</p>	
3			<p>Cultural Resources / Kelli Brasket</p>	<p>There are several recorded cultural resource sites around the existing Talega Substation on Camp Pendleton. The following information should be included in the EIR.</p> <p>An Area of Potential Effect (APE) should be defined for all potential impacts that may occur from the proposed project. A cultural resources inventory should then be completed for the APE and should include information about all known cultural resource sites and all cultural resource studies that have been previously undertaken within the APE. These studies might include surveys, testing and evaluation, monitoring, or data recovery projects. The cultural resources inventory for the EIR should also identify any areas within the APE that have not been previously surveyed for cultural resources. Lastly,</p>	

				recommendations for the types of cultural resource studies that might need to be completed for the project should be made.	
4			Environmental Plans / Colleen Eckenroad	General: Since it is not clear what activities will be occurring on MCB CAMPEN lands, and NEPA will need to be covered for any activities occurring on MCB CAMPEN, thus, suggest preparing a joint document EIS/EIR to cover the actual utility and/or real estate actions that would need to occur to support this project.	
5			Consultation / Erica Cunningham	<p>1) Placing the Marine Corps Base Camp Pendleton boundary on the relevant maps for this project, as well as the currently existing easement, will enable a better analysis of which impacts will take place within the Base and current easement boundary.</p> <p>2) Environmental documentation prepared for this project should include surveys and analysis necessary to support consultation with the US Fish and Wildlife Service. Species listed under the Endangered Species Act near the project site that have been documented on Marine Corps Base Camp Pendleton include arroyo toad and least Bell's vireo in Cristianitos Creek, coastal California gnatcatcher interspersed throughout the project site, and thread-leaved brodiaea less than 200 meters to the south. Southern California steelhead also potentially transit San Mateo Creek, to which Cristianitos Creek is a tributary.</p> <p>3) Because of the project site is in proximity to Cristianitos Creek, which is a US Army Corps of Engineers jurisdictional drainage, the project area should have a wetland delineation performed to determine if there are any potential impacts to jurisdictional wetland or water resources.</p> <p>4) Compliance with the Migratory Bird Treaty Act and potential inclusion of raptor safe pole features should also be included in the EIR.</p> <p>5) The EIR should address whether an increase in electrical</p>	

				transmission capacity near MCB Camp Pendleton will encourage commercial or residential development at the border of the Base.	
6		Page 2; Project Description	Compliance Project Branch / Eugena Anderson	<p>-Please clarify the CPEN boundaries that will be affected by the proposed components. Specifically, what portion of the Talega Substation boundaries will be affected by the proposed components and what areas of those boundaries lie within the San Diego County and the Orange County lines?</p> <p>-What are the linear feet of the transmission and distribution lines that will be replaced for both new and existing lines?</p> <p>-Please show on a map which, “140 transmission and distribution line <i>structures</i> would be removed and approximately 120 would be installed.”</p>	
7		Page 3; Operation and Maintenance	Compliance Project Branch / Eugena Anderson	<p>Please consider the following for all herbicide applications conduction on CPEN: Herbicide/pesticide application shall be in accordance with Federal Insecticide, Fungicide, and Rodenticide (FIFRA) labels. Applicators shall be properly trained and certified. Limit applications to only base-approved herbicides/pesticides and avoid excessive use and spraying prior to storm events. Records of herbicide/pesticide use shall be submitted to and/or maintained by Facilities, 763-5941. Note that the US Environmental Protection Agency is currently developing a new permit to cover herbicide/pesticide applications near water bodies. The proposed action may be subject to the new permit upon adoption.</p>	
8		Page 4; Table 1: Air Quality and Greenhouse Gases	Compliance Project Branch / Eugena Anderson	Ensure that the San Diego Air Basin criteria pollutants are considered for the project components completed within the San Diego County in addition to the areas that lie within the South Coast Air Quality Management District jurisdiction.	
9		General	Compliance Project Branch /	Ensure that the installation and/or replacement of all gas insulated switchgears and all electrical equipment utilizing Sulfur hexafluoride	

			Eugena Anderson	(SF ₆) are reported to the Environmental Security, Air Quality Section (760-725-9756) for inclusion into the Marine Corps Base (MCB) Camp Pendleton's Greenhouse Gas Emission Inventory and/or report to the California Air Resources Board (CARB) for inclusion into the Greenhouse Gas Emission Inventory.	
10		General	Compliance Project Branch / Eugena Anderson	Ensure appropriate air quality permits are acquired from the San Diego Air Pollution Control District (SDAPCD) and the South Coast Air Quality Management District (SCAQMD) for all new equipment i.e. emergency generator	

Herron, Christy

From: Mark Speros <marksperos@kerr-engineering.com>
Sent: Thursday, February 07, 2013 4:57 PM
To: Herron, Christy
Subject: Letter opposing the SDG&E "Reliability Enhancement" Project in San Juan Capistrano
Attachments: SDGE - PUC letter 2-7-13.doc

Please add this to the public comments regarding SDG&E's application for a project permit.

Your partner in success,

Mark Speros

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February 7, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
Re: SOCRE Project, c/o Ecology and Environment, Inc.
5050 Sansome St., Ste. 300
San Francisco, CA 94111

Dear Mr. Barnsdale,

Thanks for your recent presentation at the San Juan Capistrano Community Hall. The information presented was invaluable.

As a resident of San Juan Capistrano for 18 years, I wish to register my strong opposition to SDG&E's proposed "Reliability Enhancement Project" in the middle of our town, especially after hearing the presentation.

My understanding is that CPUC is there to maintain a moral and ethical basis for the required monopoly of public utilities. The presentation clearly showed that SDG&E was putting the interests of their shareholders above those of the rate payers and local citizens.

- **The project is being placed in the extreme western edge of our city...when all the needs are on the eastern end.** Why? Because SGG&E already owns that land, and doesn't want to invest in buying and building a station where the need is. That would be near the La Plata landfill.
- **The historic City of San Juan Capistrano is 99% built out, but we're asked to shoulder the entire burden while a community yet to be built shoulders no burden at all.** Why? Simply because it's a much cheaper option in the short term. **BUT**, this project will completely overlap the exact areas already scheduled for construction **A)** The I-5/Ortega interchange is being rebuilt, **B)** Ortega Highway is widened from 2 lanes to 4, **C)** La Plata Avenue itself will begin construction to be connected to San Clemente and **D)** We only just had Ortega Hwy repaved and the plans clearly show it will need to be excavated to get those distribution lines back to the eastern edge of the city (where they are really needed). That roadbed will never be as good after it's been thoroughly trenched and patched, especially with the heavy trash truck traffic it supports.
- **San Juan Capistrano is the only city that does not permit building on any ridgeline, unlike any of our neighboring cities.** Yet this project will greatly undermine that sacred preservation by radically increasing the visual blight that will cut through our entire city.

I think the presentation was very deceptive in a number of respects;

1. **No visuals were presented from "point of view/street view"** – ALL were aerial shots. Why? Because the obvious visual impact to these new, *twice as tall* towers would be insurmountable. While currently any building in the city expanding vertically is always required to create a temporary profile of their proposed elevations for all to see, why should SDG&E be exempt?
2. **The actual number of lines run between the poles was purposely made unclear.** Why? Because the fallout from hearing not only were there two (2) Ultra high capacity lines, but also a low capacity line being run as well would have been fierce.
3. **It's NOT a reliability enhancement project.** SDG&E is spending rate payer's money running very expensive television ads, but this project in no way protects or would have prevented the major power outage we experienced in September, 2011. It's singularly needed to support the future needs of 14,000 homes being built to our east, and that's where the project should be located.
4. **There were NO other options presented.** This is just unacceptable. We know that high heat and/or fires endanger transmission lines. Why can't they be buried? Why couldn't a new station be built north of the current Talega substation in the undeveloped eastern area of our city? Why are EMF levels over a highly populated area vs. one that's completely undeveloped not being a part of the consideration?

PG&E is the same entity that swore they had to install smart meters in every household, promising it wouldn't affect rate payers, yet that promise has been proven to be wrong on both counts ~ debunked as needed and now we're paying for it (literally). Worse yet, it enables them in the future to charge tiered rates based on usage during different hours of the day. *And the CPUC not only allowed it, but, once revealed it to be a fallacy did nothing to penalize them for doing it!*

Please do your job and protect us from this for-profit monopoly who is trying to take away a unique aspect that this historic town can never regain...especially when there are far better options.

Thank you,

Mark Speros
San Juan Capistrano, CA 92675

Herron, Christy

From: Gary Campbell <gnccampbell@cox.net>
Sent: Thursday, February 07, 2013 5:30 PM
To: Herron, Christy
Subject: G&CLTRHD.BAK

Gary and Collene Campbell
27552 Rolling Wood Lane
San Juan Capistrano, California 92675
(949) 496-4647
gnccampbell@cox.net

February 7, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, California 94111

RE: SOCRE Project—Application number 12-05-020
Also sent via email to: socre.ceqa@ene.com

To whom it may concern:

Please add our names to the list of supporters for the San Diego Gas & Electric Company South Orange County Reliability Enhancement Project.

The SDG&E facilities in San Juan Capistrano are aging, outdated and not prepared to handle the electricity needs of our homes and businesses. Relying on one substation as the gateway for all electrical power in SDG&E's Orange County service area is insufficient. We need a reliable backup system in place, before a major incident occurs.

Please do not be swayed by the NIMBYs of San Juan Capistrano who refuse to accept the reality of today's needs. The Capistrano substation was built long before homes surrounded it and upgrades are vital to the community. To say it is located in historic downtown is just untrue.

SDG&E has made many concessions to the city and residents while working with them on the aesthetics of the property, as well as agreeing to go underground with the distribution lines crossing Camino Capistrano.

It is our understanding the CPUC will conduct a thorough investigation of the SDG&E project. Please allow it to proceed as proposed as quickly as possible. Thank you.

Sincerely,

Collene and Gary Campbell

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Herron, Christy

From: Eric Altman <ealtman@cox.net>
Sent: Thursday, February 07, 2013 5:50 PM
To: Herron, Christy
Subject: Support Letter for the San Diego Gas & Electric South Orange County Reliability Enhancement Project..
Attachments: FAX_20130208_1360287638_10.pdf

Mr. Andrew Barnsdale,

Please find the attached letter in support of SDGE's Orange County Reliability Enhancement Project.

This is a great, much needed project of which I fully support.

--

Best regards,
Eric Altman, President
Berrington Properties, Inc.
26755 Verdugo Street
Suite 200
San Juan Capistrano, CA 92675
Office 800-243-2030 ext 101
Cell 760-408-4102

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February 7, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

Also via email at socre.ceqa@ene.com

RE: Application number 12-05-020

To Whom it May Concern,

As a property and business owner in the City of San Juan Capistrano, please add my name to the growing list of supporters for the San Diego Gas & Electric South Orange County Reliability Enhancement Project.

The SDG&E facilities in San Juan Capistrano are aging and outdated, unprepared to handle our modern electricity needs in our homes and businesses. Relying on one substation, in Talega, as the gateway for all electrical power in SDG&E's South Orange County service area is foolhardy. We need a reliable backup system in place, before a major incident.

Please don't be swayed by the NIMBYs of San Juan Capistrano who refuse to accept the realities of today. The Capistrano substation was built long before homes surrounded it, and it, and the upgrade, are vital to the community. To say it is in the historic downtown is outright fabrication.

SDG&E has made numerous concessions to the city and residents, working with them on the aesthetics of the property, as well as agreeing to underground the distribution lines crossing Camino Capistrano.

I understand the CPUC will conduct a fair and thorough investigation of the SDG&E. The project should proceed as proposed, as quickly as possible.

Thank you,

Eric Altman

DEPARTMENT OF TRANSPORTATION

District 12
3347 Michelson Drive, Suite 100
Irvine, CA 92612-8894
Tel: (949) 724-2241
Fax: (949) 724-2592

RECEIVED FEB 07 2013

*Flex your power!
Be energy efficient!*

February 5, 2013

Andrew Barnsdale
City of San Francisco
505 Van Ness Avenue
San Francisco, California 94102-3298

File: IGR/CEQA
SCH#: 2013011011
Log #: 3132
I-5, SR-74

Subject: South Orange County Reliability Enhancement Project

Dear Mr. Barnsdale,

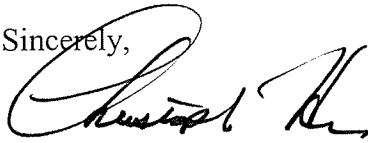
Thank you for the opportunity to review and comment on the **Notice of Preparation (NOP) for the South Orange County Reliability Enhancement Project (San Diego Gas & Electric Company)**. The South Orange County Reliability Enhancement Project, on behalf of San Diego Gas & Electric Company (SDG&E), is a proposal to rebuild and upgrade the existing 138/12-kV air-insulated Capistrano Substation as a 230/138/12-kV gas-insulated substation. Secondly, the project proposes replacing a segment of a single-circuit 138-kV transmission line between the Talega and Capistrano substation with a new double-circuit 230-kV transmission line and relocating several transmissions and distribution segments. Lastly, the project proposes relocating a 12-kV distribution line into new and existing underground conduit and overhead on new structures from the proposed San Juan Capistrano Substation to Prima Deschecha Landfill. The project sites are located in the City of San Juan Capistrano and the City of San Clemente and the nearest State Routes to the project site are SR-74 and I-5.

The Department of Transportation (Department) is a responsible agency on this project and we have the following comments:

1. Any project work proposed in the vicinity of the Department's right-of-way would require an encroachment permit and all environmental concerns must be adequately addressed. If the environmental documentation for the project does not meet the Department's requirements, additional documentation would be required before approval of the encroachment permit. Please coordinate with Department to meet requirements for any work within or near State right-of-way. All entities other than the Department working within the Department's right-of-way must obtain an Encroachment Permit prior to commencement of work. Please allow 2 to 4 weeks for a complete submittal to be reviewed and for a permit to be issued. When applying for an Encroachment Permit, please incorporate Environmental Documentation, SWPPP/ WPCP, Hydraulic Calculations, Traffic Control Plans, Geotechnical Analysis, right-of-way certification and all relevant design details including design exception approvals. For specific details on the Caltrans Encroachment Permits procedure, please refer to the Caltrans Encroachment Permits Manual. The latest edition of the manual is available on the web site: <http://www.dot.ca.gov/hq/traffops/developserv/permits/>

Please continue to keep us informed of this project and any future developments, which could potentially impact the State Transportation Facilities. If you have any questions or need to contact us, please do not hesitate to call Marlon Regisford at (949) 724-2241.

Sincerely,

A handwritten signature in black ink, appearing to read "Christopher Herre". The signature is fluid and cursive, with a large initial "C" and "H".

Christopher Herre, Branch Chief
Local Development/Intergovernmental Review

C: Scott Morgan, Office of Planning and Research

Herron, Christy

From: Catherine Salcedo <CSalcedo@sanjuancapistrano.org>
Sent: Friday, February 08, 2013 10:47 AM
To: Herron, Christy
Subject: CPUC OCRE project
Attachments: 2202_001.pdf

Good morning Mr. Barnsdale,

Attached please find comments from Council Member Larry Kramer of the City of San Juan Capistrano regarding the South Orange County Reliability Enhancement project. A FAX was also sent. Please contact me if you have any questions. Thank you and have a good day.

Cathy Salcedo

Executive Services Manager
City of San Juan Capistrano
(949) 443-6317

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February 7, 2013

FAX to: (415) 398-5326

Andrew Barnsdale
California Public Utilities Commission
Re: OCRE Project, c/o Ecology and Environmenet, Inc.
505 Hsansome Street, Suite 300
San Francisco, CA 94111

From: Larry Kramer
28371 Paseo Establo
San Juan Capistrano

3 pages including cover sheet

Additional Comment by San Juan Capistrano Councilman Larry Kramer on the proposed South Orange County Reliability Enhancement Project primarily located in San Juan Capistrano.

After further reviewing the project, I have an additional option for you to consider.

The current 138 Kv Substation located in San Juan Capistrano is old and may need replacement to insure continued or enhanced reliability. There are low voltage lines emanating from the substation so that it would be difficult to move the 138 Kv substation to another location.

On the other hand, I am told the primary purpose of the proposed new 230 Kv lines traversing from the Talega substation to the San Juan Capistrano substation is to supply power to the many (7?) substations in southern Orange County in case of the failure of the Talega 230 Kv substation. The method by which it carries power in that case is via a "loop" system. It seems to me, therefore, that there is little rationale for locating the 230 Kv substation in San Juan Capistrano. It could be located almost anywhere without having much of an impact. The major driving factor is that SDG&E already owns the land. When all the negatives of locating this huge installation in San Juan Capistrano are considered that is not sufficient justification.

If my logic has any merit than I request that one of the alternatives proposed is to rebuild the San Juan Capistrano 138Kv substation in San Juan Capistrano located underground on the land currently owned by SDG&E while retaining the historic building and that alternative locations in less populated areas within and without San Juan Capistrano be considered.

Again, these are my own thoughts and are not an official position of the San Juan Capistrano City Council.



(949) 842-4784

**California Public Utilities Commission
Comisión de Servicios Públicos de California**

Public Meeting on the Draft EIR for the Proposed South Orange County Reliability Enhancement Project
San Juan Capistrano, January 23, 2013
Reunión Pública del Proyecto Propuesto SOCRE, San Juan Capistrano, 23 de enero de 2013.

Thank you for participating in tonight's public meeting. We would like to hear your comments.
Gracias por su participación en la reunión pública esta noche. Queremos oír sus comentarios.

Note: Before including your address, telephone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment, including your personal identifying information, may be made publicly available at any time. While you may ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from individuals identifying themselves as representatives or officials of organizations or businesses will be made available for public inspection in their entirety.

Nota: Antes de añadir su dirección de postal, número de teléfono, dirección del correo electrónico, u otra información personal en su comentario, usted debe tomar en cuenta que su comentario entero, incluyendo identificación personal, pudiera estar disponible al público en cualquier momento. Aun cuando usted puede solicitar en su comentario que se mantenga su información de identificación personal como confidencial para la revisión pública, no podemos garantizar que estaremos en capacidad de hacerlo. Todos los comentarios de individuos que se identifiquen como representantes o funcionarios de organizaciones o empresas estarán completamente disponibles para inspección del público.

Name/Nombre:

Larry Kramer

Affiliation/Organización:

Councilman San Juan Capistrano

Phone/Teléfono:

949-845-4784

Email/Correo electrónico:

lkramer@sajuncapistrano.org

Address/Dirección:

28371 Paseo Establo, SJ, CA 92675

COMMENTS/COMENTARIOS

See attached (1 page)

**Comments must be received by February 8, 2013
Los comentarios serán recibidos hasta el 8 de febrero de 2013**

Send comments to/ Envíe sus comentarios a: Andrew Barnsdale, California Public Utilities Commission

Re: SOCRE Project, c/o Ecology and Environment, Inc.,
505 Sansome Street, Suite 300, San Francisco, CA 94111

Fax: (415) 398-5326 Project Voicemail/Línea de atención al usuario: 855-520-6799 email/ Correo electrónico:
SOCRE.CEQA@ene.com

Herron, Christy

From: Paul Berkery <berkery1@cox.net>
Sent: Thursday, February 07, 2013 11:50 AM
To: Herron, Christy
Subject: support letter
Attachments: Scan0001.pdf

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February 7, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

Also via email at socre.ceqa@ene.com

RE: Application number 12-05-020

To Whom it May Concern,

Please add my name to the growing list of supporters for the San Diego Gas & Electric South Orange County Reliability Enhancement Project.

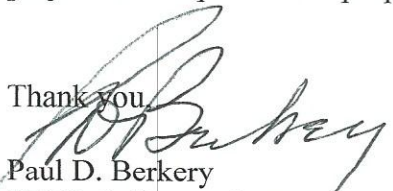
The SDG&E facilities in San Juan Capistrano are aging and outdated, unprepared to handle our modern electricity needs in our homes and businesses. Relying on one substation, in Talega, as the gateway for all electrical power in SDG&E's South Orange County service area is foolhardy. We need a reliable backup system in place, before a major incident.

Please don't be swayed by the NIMBYs of San Juan Capistrano who refuse to accept the realities of today. The Capistrano substation was built long before homes surrounded it, and it, and the upgrade, are vital to the community. To say it is in the historic downtown is outright fabrication.

SDG&E has made numerous concessions to the city and residents, working with them on the aesthetics of the property, as well as agreeing to underground the distribution lines crossing Camino Capistrano.

I understand the CPUC will conduct a fair and thorough investigation of the SDG&E. The project should proceed as proposed, as quickly as possible.

Thank you



Paul D. Berkery
27012 A Capote de Paseo,
San Juan Capistrano, CA 92675 .

Herron, Christy

From: Mark Bodenhamer <mark@sanjuanchamber.com>
Sent: Friday, February 08, 2013 4:46 PM
To: Herron, Christy
Subject: Letter of Support - SDG&E South Orange County Reliability Enhancement Project
Attachments: SOCRE Support.pdf

To Whom it May Concern:

Please see our attached letter in support of the South Orange County Reliability Enhancement project.

If you have any questions, please contact me directly.

Many thanks,

--

Mark Bodenhamer

Chief Executive Officer,
San Juan Capistrano Chamber of Commerce
949.493.4700

mark@sanjuanchamber.com

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SAN JUAN CAPISTRANO Chamber of Commerce

Thursday, February 07, 2013

2012-2013
BOARD OF DIRECTORS

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CHAMBER STAFF

Mark Bodenhamer

Chief Executive Officer

Jennifer Pointer

Operations Manager

Claire Sussex

Program Manager

CPUC Public Advisor,
505 Van Ness Avenue, Room 2103,
San Francisco, CA 94102

RE: Support – SDG&E South Orange County Reliability Enhancement Project

To Whom It May Concern:

The San Juan Capistrano is a private, non-profit organization representing the needs of over 300 local businesses in our community. On behalf of the Chamber's Board of Directors, I am writing to register our support for San Diego Gas & Electric's South Orange County Reliability Enhancement project.

Safe and reliable electric service is critically important for our community and the many businesses we represent. Currently, our local economy is at risk as we are entirely reliant upon the Talega Substation for the delivery of 230kv power. If a major issue disrupted that substation, our region could be without power for an extended period of time.

The local economy here in San Juan Capistrano primarily consists of small, family-owned independent businesses. In this economy, many local businesses wouldn't be able to withstand a long-term loss of operational income. This would be devastating to our community, and the impact of that would be felt by the entire City. Upgrading the substation in San Juan Capistrano to facilitate transmitting the higher capacity power would provide a backup in the regional power distribution system.

In addition, the added capacity that this project will create is necessary to accommodate the growing electrical consumption needs of our residents and businesses.

Finally, ensuring that our energy needs are met is important for public safety and health, as emergency service providers and some resident's medical needs rely on power.

For these reasons, the San Juan Capistrano Chamber of Commerce supports the South Orange County Reliability Enhancement project. We respectfully request your support of its implementation.

Thank you for your consideration.

A handwritten signature in black ink that reads "Mark Bodenhamer". The signature is written in a cursive style.

Mark Bodenhamer
President/CEO
San Juan Capistrano Chamber of Commerce

San Juan Capistrano Chamber of Commerce
31421 La Matanza St. San Juan Capistrano, California 92693
Phone: (949) 493-4700 • Fax: (949) 489-2695
Email: info@sanjuanchamber.com • Website: www.sanjuanchamber.com

Herron, Christy

From: j.gillotti@missiongrillsjc.com
Sent: Friday, February 08, 2013 7:31 PM
To: Herron, Christy
Subject: SDG&E Application number 12-05-020
Attachments: Letter of Support.pdf

Please see attached.

John Gillotti
Mission Grill
31721 Camino Capistrano
San Juan Capistrano, CA 92675
(949) 240-8055
www.MissionGrillSJC.com
[facebook.com/MissionGrillSJC](https://www.facebook.com/MissionGrillSJC)

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February 7, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

Also via email at socre.ceqa@ene.com

RE: Application number 12-05-020

To Whom it May Concern,

Please add my name to the growing list of supporters for the San Diego Gas & Electric South Orange County Reliability Enhancement Project.

The SDG&E facilities in San Juan Capistrano are aging and outdated, unprepared to handle our modern electricity needs in our homes and businesses. Relying on one substation, in Talega, as the gateway for all electrical power in SDG&E's South Orange County service area is unwise. We need a reliable backup system in place, before a major incident. NASA did not launch rockets into space with a backup plan.

Please don't be swayed by those in San Juan Capistrano who oppose this upgrade. The Capistrano substation was built long before homes surrounded it, and it, and the upgrade, is vital to the future of this community.

Please support the concessions made by SDG&E to the city and residents and continue working with them on the aesthetics of the property. .

I understand the CPUC will conduct a fair and thorough investigation of the SDG&E. The project should proceed as proposed.

Thank you,



John Gillotti
31721 Camino Capistrano
San Juan Capistrano, CA 92675

Herron, Christy

From: Tom Mathews <tmathews@caaplanning.com>
Sent: Friday, February 08, 2013 11:09 AM
To: Herron, Christy
Cc: Colleen Edwards (Colleen.Edwards@kofax.com); DCave@semprautilities.com; larrykramer11@att.net; lkramer@sanjuancapistrano.org; andrew.barnsdale@cpuc.ca.gov; ATrial@semprautilities.com; RGiles@semprautilities.com; Shawna Schaffner; Kathy Crum; Brad Gates (bgates@cox.net)
Subject: Comments on SOCRE Project
Attachments: SOCRE Project Comment Letter 2-8-13.pdf

Attached is a comment letter related to the Notice of Preparation (NOP) for the SOCRE project.

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CAA PLANNING

February 8, 2013

California Public Utilities Commission
Attn: Andrew Barnsdale
c/o Ecology and Environment, Inc.
505 Sansome Street #300
San Francisco, CA 94111

Subject: South Orange County Reliability Enhancement Project (SOCRE) - San Juan
Capistrano Substation

Dear Mr. Barnsdale:

CAA Planning, Inc. (CAA) represents Mrs. Colleen Edwards, who resides at 26566 Calle Lorenzo, San Juan Capistrano, regarding the proposed expansion of the SDG&E Capistrano Substation (Substation). Mrs. Edwards' home directly abuts the Substation property. On November 6, 2012, CAA submitted a letter to Duane Cave of SDG&E, with a copy to your attention, detailing Mrs. Edwards' concerns based on the information available in the Proponent's Environmental Assessment (PEA). In Mr. Cave's letter of response, dated November 19, 2012, he explained that Mrs. Edwards's concerns would be addressed by the California Public Utility Commission (CPUC), as lead agency responsible for the SOCRE and the Environmental Impact Report (EIR) which they must prepare under the California Environmental Quality Act (CEQA).

We attended the January 23, 2013 scoping meeting held in San Juan Capistrano at which you explained the purpose of the meeting was to accept public comments on the SOCRE project. Further, you stated that concerns voiced would be addressed in the EIR and that written comments would be due on or before February 8, 2013.

As noted in our November letter (attached), Mrs. Edwards has already attended several public meetings and hosted meetings in her home with City and SDG&E representatives and residents to convey her concerns for the serious impacts that will result from the Substation reconstruction portion of the proposed project. Therefore, in response to the scoping meeting request for comments, we hereby identify environmental impacts that will directly impact Mrs. Edwards' residence adjacent to the proposed Substation. The EIR must analyze the following issues in detail.

Aesthetics - The materials available at the scoping meeting showed aerial photos or graphic illustrations of the project components without scale models, precise site plans or building elevation exhibits to assess the impact of a 50' high building and transmission towers in relation to adjacent residential structures. Nor were precise site plans or building elevation exhibits provided in the PEA. Precise site plans and elevations which depict the location of the proposed structures must be provided in the EIR. CEQA requires a precise project description detailing all components and aspects of a proposed project in order to provide adequate information for the approving authority and the public to evaluate the project. In addition to a detailed project description, the EIR must include a shade and shadow study, to provide a context from adjacent residences and streets



Mr. Andrew Barnsdale
February 8, 2013
Page 2 of 3

regarding the shading effects of a 50' building. Heights and locations of fences and walls must be clearly shown to assess not only shading effects, but also to depict altered views from adjacent residences. Building, wall and fencing materials must be identified as to style and color to determine compatibility with the surrounding environment.

Air Quality - Impacts to air quality from demolition and construction activities at the Substation site must be analyzed. Construction impacts will include not only emissions from vehicles traveling to and from the site but also the heavy equipment required to demolish and construct the proposed facilities. Due to the age of the existing structures on the site, the potential exists for hazardous emissions from asbestos or other building materials to be released into the air during demolition. Analysis should include an evaluation of the types of materials used in the existing structures and what impact release of any hazardous materials could have on sensitive receptors near the Substation. Residences located adjacent to the Substation will be severely impacted for the entire duration of construction activities which could take up to 5 years for project completion.

Operational impacts to air quality should also be analyzed with regard to emissions from equipment on-site and routine maintenance activities. We understand that the Substation will be unmanned. However, workers will visit the substation several times a week for standard operations and several times a year for routine maintenance. This must be included in the analysis.

Archeological/Paleontological/Cultural Resources - Consideration should be given to the demolition of an existing structure which is eligible for state listing as a historic resource. This would be a significant impact if the building is destroyed.

Hazards/Hazardous Materials - The PEA provided inadequate analysis of the potential health impacts due to the increase in electromagnetic field (EMF) output from the increase in transmission line capacity. Outdated studies from 2007 were the basis for analysis in the PEA. This is inadequate in terms of CEQA since the increase in EMF output was not quantified in order to assess the actual impact based on the specific design proposed. More recent studies must be provided, or conducted if none exist, in order to fully disclose the actual level of EMF exposure and the resultant health effects to persons residing within a specific radius of the impact. Adopted thresholds for residences should be identified, if any. We note that thresholds have been established for transmission line and equipment setbacks for schools and would hope that residences have the same protection, especially given that a more significant amount of time is spent in a home than a school. Mitigation measures must be included to reduce all potential EMF hazards to a level of insignificance.

In addition, the proposed demolition of existing decades-old structures has the potential to release toxic materials into the atmosphere. The EIR must include a Phase I analysis to determine potential hazardous materials as well as provide adequate mitigation to reduce the levels of exposure to insignificant. If hazardous materials are identified in the Phase I assessment, the EIR must include a detailed remediation plan which also describes how the hazardous emissions will be kept away from the adjacent residences. A plan for continuous monitoring should be included to determine the levels of impact during all stages of demolition and remediation.



Mr. Andrew Barnsdale
February 8, 2013
Page 3 of 3

Alternatives - The alternatives analysis required by CEQA (Section 15126.6) must include alternatives that could feasibly accomplish most of the basic objectives of the project and could avoid or substantially lessen one or more of the significant effects. Based on the project description provided in the PEA and at the scoping meeting, it is apparent that the project will have serious impacts in the areas mentioned herein. Alternatives that reduce the aesthetic, air quality, cultural resources and hazards impacts must be analyzed in the EIR. Therefore, we request several alternatives including an alternative based on the relocation of the residential homes immediately adjacent to the Substation property because many of the impacts will be significant and place an extreme burden on residents. Another alternative should be included that analyzes the relocation of the Substation to an area closer to the population center that will be served. An additional alternative should be provided that reduces the building size and places all structures at the farthest point on the site from adjacent residences and also reduces the transmission capacity to avoid the increase in EMF exposure.

Conclusion

We appreciate the opportunity to provide these comments on behalf of Mrs. Edwards. Finally, we would like to note that in spite of repeated requests over the past year, we continue to be left off of notices. We request both electronic and hard copy materials from this point forward. Emails should be sent to kcrum@caaplanning.com. Hard copies should be sent to my attention at CAA Planning, Inc., 65 Enterprise, Suite 130, Aliso Viejo CA 92656. Please continue to provide all information and materials to Mrs. Edwards as well.

Sincerely,

CAA PLANNING, INC.

Thomas B. Mathews

c: Mrs. Colleen Edwards
Mr. Duane Cave (SDG&E)
Mr. Allen K. Trial (SDG&E)
Ms. Rebecca Giles (SDG&E)
Mr. Larry Kramer (City of San Juan Capistrano)
Mr. Brad Gates
Ms. Shawna Schaffner



CAA PLANNING

November 6, 2012

Mr. Duane Cave
External Affairs Manager
San Diego Gas & Electric
662 Camino de Los Mares
San Clemente, CA 92673

Subject: South Orange County Reliability Enhancement Project - Capistrano Substation

Dear Mr. Cave:

CAA Planning, Inc. (CAA) represents Mrs. Colleen Edwards, who resides at 26566 Calle Lorenzo, San Juan Capistrano, regarding the proposed expansion of the SDG&E Capistrano Substation (Substation). Mrs. Edwards' home directly abuts the substation property as depicted on the attached aerial map. We have reviewed the Proponent's Environmental Assessment (PEA) and have significant concerns regarding the potential impact of the proposed substation expansion on Mrs. Edwards' quality of life, disruption of her home office and the value of her home.

Mrs. Edwards' concerns, expressed below, have gone unanswered to date by SDG&E, and you have stated on several occasions that there will be an appropriate and more timely opportunity in the future for SDG&E to respond. We understand that the PEA is the initial point for public outreach and there will be a formal Environmental Impact Report (EIR) prepared in the future. Still, we feel that it is imperative to communicate the Edwards family concerns now.

The purpose of this letter is to restate Mrs. Edwards' concerns, document the previous attempts by Mrs. Edwards to be an informed participant in the Substation project and to seek SDG&E's assurance that our concerns on behalf of Mrs. Edwards are addressed in future plans and decisions regarding the Substation project.

Communication History

The following documents the communication efforts that Mrs. Edwards has expended in an effort to be informed and knowledgeable on the substation expansion proposed by SDG&E.

10/20/11 Duane Cave visited Mrs. Edwards' home office to inform her of SDG&E's plans. Mrs. Edwards expressed concerns about safety, requested blueprints and site poles so she could see the impact on her family and neighbors. Asked what the remediation plan was, Mr. Cave indicated superficial measures (double pane windows, install air conditioning to allow for windows to be closed for the 5 year



Mr. Duane Cave
November 6, 2012
Page 2 of 5

construction project, etc.). Mrs. Edwards was unable to attend City Council meeting that evening where SDG&E announced plans due to inadequate notice.

- 11/9/11 Mrs. Edwards coordinated a meeting with Duane Cave, Mary Turley and an SDG&E project team at her home with two neighbors (Leons and Penningtons). They asked many questions, some which could be answered, many of which were not. Ms. Turley was extremely aggressive in driving SDG&E's agenda. Mrs. Edwards felt the team was there so they could check off the "public communication" box for PUC vs. showing empathy for real people whose lives would be dramatically impacted by this project. The residents requested a copy of the blue prints and were told they couldn't give them copy because it was a matter of national security. Again, site poles were requested so everyone could understand the magnitude of what was being proposed.
- 11/16/11 Mrs. Edwards attended SDG&E's "open house" at San Juan Hills Country Club where she requested copies of some materials that were being shown. Staff said they were not allowed to give them out. On November 16, Mr. Cave sent a Google map with proposed site overlaid.
- 12/11 Mrs. Edwards retained CAA Planning concerned that she was out of her league on one of the most important issues in her family's life. She expressed feeling like SDG&E intends to steamroll this through here because it's a "low income" area of San Juan Capistrano and believes SDG&E could have expanded capabilities where the new demand is coming from (near Rancho Mission Viejo and not 10 feet from existing homes).

The following additional meetings were either attended or hosted by Mrs. Edwards:

- 12/6/11 Attended SJC City Council meeting with SDG&E topic on agenda.
- 2/8/12 Attended SDG&E public meeting at Mission San Juan Capistrano. Only about 6 other citizens were present. Based on that meeting, on February 14, 2012, Mrs. Edwards sent a letter to San Juan Capistrano City Council urging their rejection of proposal for the many negative impacts to our historic downtown, and especially to immediate neighbors including her family.
- 2/16/12 Hosted visit to her home for SJC Mayor Larry Kramer so he could see first-hand the devastating impact on citizens of SJC – the proposed construction is 10 feet from Mrs. Edwards' backyard.
- 2/17/12 Hosted SJC Councilman John Taylor so he could see first-hand the devastating impact on citizens of SJC.



Mr. Duane Cave
November 6, 2012
Page 3 of 5

- 2/21/12 Hosted SJC Director of Planning, Grant Taylor (no relation to Councilman John Taylor) so he could see first-hand the devastating impact on citizens of SJC.
- 2/21/12 Attended meeting in which the San Juan Capistrano City Council unanimously adopted a resolution (with Allevato abstaining) to reject the negative impacts of the SDG&E substation expansion plan. Mrs. Edwards expressed that if an SDG&E executive would be willing to raise his children in her home, just yards from the proposed plant during the construction and ultimate operation, then she would have some faith in the “safety” of the project. No volunteers stepped forward.
- 6/1/12 Invited Michael Niggli CEO and W. Davis Smith, Counsel, and Duane Cave to come and speak to the family MOST impacted by the proposed project and begin to discuss remediation. This invitation was sent two ways: 1) via email to Mr. Cave, and 2) via hard copy invitation to the offices of Messrs. Niggli and Smith. While the request included RSVP contact information, Mrs. Edwards did not receive a response from Mr. Niggli or Mr. Smith. On June 5, Mr. Cave declined the invitation via email. When asked who made the decision not to meet with a family so drastically impacted and why, he indicated the decision was made by his boss, Frank Urtasan. Mrs. Edwards explained that she could lose her billable rate of \$250 for every hour spent trying to protect her family and it’s going to get more and more expensive to mitigate the impact if they drag this out. Mr. Cave said he understood that.
- 6/5/12 Mrs. Edwards attended a City Council Meeting with SDG&E on the agenda. At that meeting, the City Council expressed they had drafted a letter requesting hearings from the PUC, as SDG&E has not adequately addressed any of the negative impacts, and in fact, SDG&E was unable to answer their most basic questions about the impacts of the project and other potential sites they considered. Mrs. Edwards has not heard anything from SDG&E since that meeting when they declined her invitation to meet and discuss remedies.

PEA Review/Comments

Mrs. Edwards does not dispute the need for expanded electrical capacity to accommodate the current and future demand in the region. However, review of the PEA has been a cause for alarm for Mrs. Edwards based on a lack of disclosure of impacts that will likely occur in the immediate neighborhood adjacent to the substation. The PEA does an admirable job of describing the impact, or lack thereof when viewed from major public vantage points, but is silent in identifying and disclosing impacts to residents, such as Mrs. Edwards, who live mere feet from buildings that will tower over their property.

If the South Orange County Reliability Enhancement Project were to be viewed from space, it is clear that SDG&E selected the geographically superior alignment in connecting its existing



Mr. Duane Cave
November 6, 2012
Page 4 of 5

power generating and transmitting facilities. And, while the PEA is strategically responsible in addressing existing and future demands, this same project, when viewed from the homes immediately adjacent to the substation, like Mrs. Edwards family home, shows the project will clearly have a significant unavoidable impact on these residents in terms of quality of life and of their private investment.

The purpose of this letter is to convey Mrs. Edwards' concerns that impacts of the proposed substation expansion were either underestimated or judged to be less than significant. Specifically, after a cursory review, we find the following issues will result in substantial impacts to not only Mrs. Edwards' property, but also the other residential properties immediately adjacent to the substation and the PEA utterly fails in acknowledging said impacts.

Aesthetics -

The PEA recognizes the aesthetics goals of the City of San Juan Capistrano General Plan, Municipal Code and Orange County General Plan as they relate to public views from public viewpoints. However, no attempt is made to address the aesthetic impact from the substation expansion on the immediately adjacent residential area. In particular, the view simulations provided in the PEA do not consider the impact of a 50' tall brick building, the tallest of the several structures proposed. Elevations should be provided showing the project building heights in scale with the existing residential development. The nature of the residential neighborhood where the Substation is located should be respected and without accurately depicting the relationship of the proposed buildings in context with its surroundings, the PEA cannot represent that there is no aesthetic impact on existing development. Furthermore, there is no discussion of potential shade/shadow impacts on the existing residences.

Air Quality -

It is recognized that demolition and construction activities are sources of air quality impacts which generally exceed the significance thresholds for criteria pollutants as identified in local and state regulations. The PEA includes Applicant Proposed Measures (APMs) to mitigate potential impacts. However, the analysis underestimates the impact of construction activities that span a four-five year period. While we recognize that the schedule includes all phases of the project from San Juan Capistrano to San Clemente, the major demolition and construction activities will take place at the Capistrano Substation. Recognition that air quality impacts are significant and unavoidable does little to alleviate the impact to residents in the area immediately surrounding the project site.

Hazards -

The issue of electromagnetic fields (EMFs) as a health risk was analyzed in the PEA. However, we note that no studies later than 2007 were included in the analysis. While studies to that time had been "inconclusive" regarding health effects from EMFs, the possibility cannot be dismissed. If more recent studies are available, the PEA should have included the results. If such studies are not available, then additional study must take place. The failure to analyze and disclose such impacts by labeling them as speculative is of little benefit to decision-makers and residents directly affected by the project.



Mr. Duane Cave
November 6, 2012
Page 5 of 5

In addition, there was no analysis regarding whether the proposed capacity increase at the Substation increases the EMF exposure. The PEA notes California Public Utility Decisions D.93-11-013 and D.06-01-042 which implement rules and policies for low-cost and no-cost magnetic field reduction measures. While noting that the proposed project incorporates measures consistent with these decisions, there is no specific analysis about whether potential EMF exposure will be quantifiably reduced if the measures are applied.

We would like your confirmation that an EIR will be prepared as stated in the PEA and a processing schedule for public review and input on that document. Most importantly, we want an assurance from SDG&E that the EIR will demonstrate how the construction and operation of the substation will be mitigated with respect to the residents and homes in the adjacent and surrounding residential neighborhood.

Conclusion

Mrs. Edwards has indicated her family's desire to be relocated by SDG&E to a comparable new home in San Juan Capistrano on ¼ acre lot with 600 sf detached office. The family does not wish to endure 5 years of construction and in the long term they find it untenable to live in the shadow of 50 foot structures while exposing their child to double the EMF output from the current condition.

Sincerely,

CAA PLANNING, INC.

Thomas B. Mathews

Attachment: Aerial Map

c: Mr. Allen K. Trial (SDG&E)
Ms. Rebecca Giles (SDG&E)
Mr. Andrew Barnsdale (PUC)
Mr. Larry Kramer (City of San Juan Capistrano)
Mrs. Colleen Edwards
Mr. Brad Gates
Ms. Shawna Schaffner

Herron, Christy

From: Richard Stein <ricktheater@cox.net>
Sent: Friday, February 08, 2013 6:03 AM
To: Herron, Christy
Subject: Support Letter for Project
Attachments: SDGE Support Letter.docx

Richard Stein

27677 Paseo Alondra
San Juan Capistrano CA 92675
949.496.3560
ricktheater@cox.net

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RICHARD STEIN
27677 PASEO ALONDRA
SAN JUAN CAPISTRANO CA 92675
949.496.3560
RICKTHEATER@COX.NET

February 7, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

Also via email at socre.ceqa@ene.com

RE: Application number 12-05-020

Dear Mr. Barnsdale:

I am writing in support of the San Diego Gas & Electric South Orange County Reliability Enhancement Project.

Although we take for granted the continuous availability of power for the many necessities of life these days, I was really shocked to learn that the SDG&E facilities in San Juan Capistrano are aging and outdated—and that there is no reliable backup for them.

While there are always legitimate concerns about the impact of projects such as these upon our community, I have attended a number of presentations about the planned improvements, and have concluded that everything possible has been taken into consideration to minimize the intrusion—including the final new substation structure, the power line towers and the construction phase of the project.

My wife and I are 22 year-long residents of San Juan Capistrano, and feel very protective about the special character of our historic town. But we see nothing about this project that threatens that, and therefore support it wholeheartedly.

I feel confident that the CPUC will conduct a fair and thorough evaluation of this project, and I hope that it will be approved in a timely fashion.

Sincerely,



RECEIVED FEB 08 2013

January 29, 2013

Co Chair -
San Clemente
Joe Anderson

Co Chair -
San Juan Capistrano
Stephanie Frisch

Senator Dick Ackerman (ret.)

Beth Apodaca

Fred Armendariz

Steve Behmerwohld

Paul Berkery

Jim Bieber

Mark Bodenhamer

Gary Brown

Collene Campbell

Gary Campbell

Jim Carter

John Gilloiti

Nancy Hunt

Erin Kutnick

Dennis Mederios

Mario Rodriguez

Reed Royalty

Tom Scott

Rick Stein

John Tengdin

Lawrence "Larry" Thomas

Donna Varner

Lynn Wood

Mr. Andrew Barnsdale
California Public Utility Commission
RE: SOCRE Project, c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

Dear Mr. Barnsdale,

I am a resident of San Clemente and a passionate member of Citizens for Safe and Reliable Power - a coalition of local residents and businesses dedicated to the completion of the South Orange County Reliability Enhancement and the provision of safe, reliable and modernized electric service to our region.

Currently, south Orange County is vulnerable. Our aging electrical infrastructure and lack of redundancy is a huge concern for residents and business owners.

I want to thank the Public Utility Commission for hosting last week's scoping meetings and for recognizing how critical it is to engage ratepayers in this major infrastructure project that will impact so many aspects of the region.

I applaud your thoughtful consideration for all the possible environmental issues, including aesthetics, air quality, geology, noise and even public services.

I am pleased to see that the PUC has acknowledged that aesthetics is an important component of the project and that the overall visual character of the project will be impacted. San Diego Gas & Electric has also recognized aesthetics is an important project element and I applaud their diligence in engaging the community to ensure that project, and specifically, the San Juan Capistrano substation, blends in with the historic character of this beloved city.

I urge you to support SDG&E's request to enhance reliability and safety across the region, and to allow this regulatory process to move ahead swiftly.

Sincerely,

A handwritten signature in black ink that reads "Jim Bieber".

Jim Bieber
Member of Citizens for Safe and Reliable Power
Resident of San Clemente

A community coalition dedicated to supporting modernized electric service for our region.

Reliable-Power.Org

Herron, Christy

From: Barnsdale, Andrew <andrew.barnsdale@cpuc.ca.gov>
Sent: Monday, February 11, 2013 5:30 PM
To: Herron, Christy; Peterson, Robert
Subject: FW: SOCRE Project Comment

fyi

From: Claire Mackay [<mailto:bettymackay@cox.net>]
Sent: Saturday, February 09, 2013 7:04 AM
To: Barnsdale, Andrew
Subject: SOCRE Project Comment

Dear Mr. Barnsdale,

I am an 18-year resident of San Juan Capistrano, and fourth generation Californian. Please take my opinion into consideration for this project.

After the Mission, this structure built in 1918 is my favorite building in San Juan Capistrano. It is classical and lovely, especially when the climbing vines change colors in the autumn. Southern California has a history of tearing down the semi-old and replacing it with the new. We have so few semi-old structures. The few that there are should be preserved.

Please consider incorporating this beautiful old building into your project. I do understand the need for the project itself and applaud your foresight.

Next time you are in our city, I would be happy to meet with you.

Claire Mackay

Message scanned by the Symantec Email Security.cloud service. If you suspect that this email is actually spam, please FORWARD it to spamsamples@messagelabs.com

Herron, Christy

From: Wilson, Karen <kwilson@rutan.com>
Sent: Friday, February 08, 2013 3:49 PM
To: Herron, Christy
Cc: VanLigten, Hans
Subject: City of San Juan Capistrano/SDG&E App. No. 12-05-020
Attachments: 855d3a66-824b-4b2f-abd7-5c06aa4d2328.PDF

Please see attached revised comments dated February 8, 2013.

Karen F. Wilson
Legal Secretary to Hans Van Ligten, Robert O. Owen,
Peter J. Howell and Megan K. Garibaldi

Rutan & Tucker, LLP

611 Anton Boulevard, 14th Floor
Costa Mesa, CA 92626
714-641-5100 x1502
714-546-9035 Fax
kwilson@rutan.com
www.rutan.com

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 Please consider the environment before printing this e-mail.

From: Wilson, Karen
Sent: Friday, February 08, 2013 3:45 PM
To: Wilson, Karen
Subject:

To: kwilson@rutan.com

E-Mailed to:
kwilson@rutan.com

Saved to:

February 8, 2013

RECEIVED FEB 11 2013

VIA E-MAIL AND
FIRST CLASS MAIL

Mr. Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300
San Francisco, CA 94111

Re: City of San Juan Capistrano's Revised Comments in Response to Notice of Preparation Regarding Potential Adverse Impacts that Must be Studied in the Environmental Impact Report Analyzing San Diego Gas & Electric's Request for a Certificate of Public Convenience and Necessity for the South Orange County Reliability Enhancement ("SOCRE") Project (Application No. A.12-05-020)

Dear Mr. Barnsdale:

This law firm acts as the City Attorney of the City of San Juan Capistrano ("City"). This letter restates and revises our comments previously submitted at the NOP Scoping Session on January 23, 2013. On February 5, 2013, the City Council of the City of San Juan Capistrano considered this item on its public agenda, and after receiving considerable public comment from its residents, directed this office to make certain additional comments, which are reflected herein.

As a starting point, please note that the City Council is greatly concerned that a large segment of the City did not receive any actual notice of the Scoping Meetings set for last month in large part due to the choices of newspapers for publication. Despite the single most significant aspect of this project occurring within the City of San Juan Capistrano, the published notice was in a San Diego area newspaper and *The Orange County Register*. The City Council strongly feels that more specific notice in the local newspaper would have been far more appropriate. To address this deficiency, the City Council requests that the comment period be extended a minimum of 45 days, and an additional scoping meeting be set during this period within the City's boundaries.

In addition, the City requests that all future notices also appear prominently in *The Capistrano Dispatch* as well as *The Orange County Register*. This will assure our residents, who are most heavily impacted, will receive adequate notice.

The City is very concerned with the potential significant environmental impacts of San Diego Gas & Electric's ("SDG&E") pending application (Application No. A.-12-05-020) for a

Mr. Andrew Barnsdale
February 8, 2013
Page 2

Certificate of Public Convenience and Necessity (“CPCN”) from the California Public Utilities Commission (“CPUC”) to replace the existing 138/12kV Capistrano Substation with a 230/138/12kV substation, and replace an existing 138kV transmission line with a new 230kV double-circuit extension between SDG&E’s Capistrano and Talega substations (the “Project”). Pursuant to the Notice of Preparation (“NOP”) issued by the CPUC on January 9, 2013, the CPUC will be the Lead Agency for this Project, and as such is currently undertaking preparation of an Environmental Impact Report (“EIR”).

The purpose of this letter is to provide the CPUC initial comments on behalf of the City concerning various issues that should be studied by the EIR, and specifically, potential significant adverse impacts that the EIR must consider. The City is particularly concerned with the Project’s affect on the City’s historic core, the integrity of which is one of the City’s most precious resources.

I. As Currently Proposed, the Project Will Have a Significant Adverse Impact on Historic and Cultural Resources.

The existing historic 1918 Capistrano Substation Building (that will be destroyed by the Project) is an essential part of the City’s Historic Core, which was first founded over 200 years ago. The 1918 Substation Building was built nearly a century ago, is listed on the Buildings of Distinction List, and qualifies for listing on the City’s Inventory of Historic & Cultural Landmarks. The Buildings of Distinction List consists of buildings that are eligible for listing on the Inventory of Historic & Cultural Landmarks, and both the State and National Register of Historic Places.

The Project will not only destroy the existing 1918 Substation building, which is itself an important historic and cultural resource, but the Project will significantly impact other historic and cultural resources throughout the City. The existing 1918 Substation building serves as part of the northern gateway to the Historic Town Center, and its destruction and replacement as currently planned will adversely impact the entire Historic Town Center.

The Project will also adversely impact the nearby Mission San Juan Capistrano and the Los Rios District, which is the oldest residential neighborhood in the State of California. In fact, the Project as currently planned will result in the construction of 50-foot buildings and 10-foot walls along the historic El Camino Real (now Camino Capistrano), a road first built centuries ago by Spanish missionaries to connect all the missions throughout California. Elementary school students from across Southern California visit this area, and specifically the Mission San Juan Capistrano, in large numbers every year. The Project as currently planned will adversely impact a significant experience shared by nearly all children growing up in Orange County. Finally, the Project is only 1,000 feet south of Putuidem, the mother village of the Juaneno Band of Mission Indians-Acjachemen Nation, which is a State-designated cultural resources site (Site CA-ORA-855).

Mr. Andrew Barnsdale
February 8, 2013
Page 3

II. The Project will have a Significant Adverse Impact on Aesthetics and Land Use, as the Project Violates Many City Requirements and is Inconsistent with the City's General Plan.

The Project's frontage is along Camino Capistrano, which has been designated by the City's General Plan Community Design Element as a scenic corridor. Three important design criteria are required for structures built on scenic corridors: (1) the project must include a buffer to screen unsightly features outside of the right-of-way, (2) the project must use innovative design features for bicycles, sidewalks, equestrian trails, boundary walls, and parkways, and (3) the Project must pay special attention to building design features that front a scenic corridor. Consistent with CEQA, the Community Design Element recognizes that structures altering the existing visual character or quality of the site and its surroundings cause potential significant impacts, unless mitigated. The Project, as proposed, will have a significant adverse impact on the Camino Capistrano scenic corridor.

As mentioned above, the Project will result in the construction of two 50-foot tall buildings, despite the City's maximum building height allowance of 35 feet. The only building in the entire City that exceeds this maximum height is the Mission Basilica Church, which was granted a height exception with a specific purpose: allowing the Church's architecturally significant dome to be the most prominent visual element in the City. The Project lacks the unique, positive architectural features of the Basilica. Indeed, the Project proposes 10-foot tall security walls surrounding the 50-foot buildings, which will resemble a prison or military barracks. This is the exact type of adverse impact on aesthetics that the City's maximum building height is designed to prevent.

In addition to adversely affecting an important scenic corridor, the Project site is surrounded by residential development. A neighborhood park serving these residences is located *directly* to the east of the Project. As a result, the Project will be highly visible, and therefore adversely impact aesthetics specifically as to these residents. Furthermore, buildings of this size are certain to adversely impact neighboring residents with light and noise pollution. In fact, the City requires lighting fixtures with cutoffs to contain all light on site, allowing *no spillage* into the public right-of-way or on adjoining residential properties. The EIR must study lighting levels to ensure that these levels will meet the City's strict standards both during the construction of the Project and after its completion.

As possible alternatives to the Project as it is currently proposed, the height of the Project's buildings could be reduced in order to mitigate some of the above-described impacts. The transformer vaults could be undergrounded, or the Project could cut into the slope behind the existing substation, which would not only reduce the height and mass of the proposed new structures, but also permit preservation of the historic substation. The EIR should discuss all of these options as alternatives.

Mr. Andrew Barnsdale
February 8, 2013
Page 4

For the aforementioned reasons, the Project as proposed is inconsistent with a number of the policies articulated in the City's General Plan, including the General Plan's Land Use Element, Cultural Resources Element, Community Design Element, and Circulation Element. Specifically, the Project runs afoul of the following policies:

- Land Use Policy 2.2 – Assure that new development is consistent and compatible with the existing character of the City.
- Land Use Policy 7.1 – Preserve and enhance the quality of San Juan Capistrano neighborhoods by avoiding or abating the intrusion of non-conforming buildings and uses.
- Land Use Policy 7.2 – Ensure the new development is compatible with the physical characteristics of its site, surrounding land uses, and available public infrastructure.
- Land Use Policy 7.4 – Protect the existing population and social character of older areas subject to rehabilitation and redevelopment.
- Cultural Resources Policy 1.2 – Identify, designate and protect buildings and sites of historic importance.
- Community Design Policy 1.2 – Encourage high-quality and human scale design in development to maintain the character of the City.
- Community Design Policy 2.1 – Encourage development which complements the City's traditional, historic character through site design, architecture, and landscaping.

The EIR must also address how the CPUC and/or SDG&E will conduct traffic management and control during the Project's lengthy construction in order to be consistent with the City's Circulation Element policies 4.2, 4.3 and 4.4.

The EIR must also consider the City Council Policy 606, which states that any excavation undertaken in connection with a project deeper than 18 inches below the natural ground requires an archaeologist and Native American monitor the excavation at all times. The City believes that at a minimum, CPUC and/or SDG&E must consult with the State Historical Preservation Officer and the California Native American Heritage Commission during the preparation of the EIR in order to completely understand and analyze the Project's impacts on cultural and Native American resources.

Mr. Andrew Barnsdale

February 8, 2013

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III. The EIR Must Analyze Potentially Significant Adverse Impacts on Health and Safety.

The EIR must analyze the potentially significant impacts of releases of materials commonly used as insulators and other materials at the proposed facilities. A Human Health Risk Assessment must be prepared for evaluation of the risks to human populations, both transient and resident, that will be potentially exposed to materials proposed to be utilized within the project.

The EIR also must evaluate the Project's potential electro-magnetic frequency ("EMF") impacts. EMF impacts from facilities such as the Project have been shown to result in potential teratogenic and mutagenic changes in humans. As discussed above, the Project is located in close proximity to residences and a neighborhood park, and the Project will increase the size and intensity of equipment that has been known to cause EMF impacts.

The EIR must also study potential impacts on existing underground utilities and facilities resulting from the construction of the Project. Any damages to existing utilities would potentially interrupt service to the City's residents, adversely impacting the public health and safety.

Finally, the EIR must consider the City's limitations on construction days and hours and the resulting cost to the City resulting from hiring an independent enforcement officer to ensure compliance.

IV. The EIR Must Analyze Alternatives Including Other Locations Both Within and Outside the City of San Juan Capistrano.

CEQA requires evaluation of alternatives to the preferred alternative. A reasonable range of alternatives here must include analysis of alternative locations that do not impact historical, archeological, and cultural resources. As such, include in the analysis a location not within proximity to the City's historical and cultural resources (as discussed above) both within the City's boundaries and outside the boundaries. As this is a regional project, addressing regional concerns, the scope of reasonable alternatives necessarily includes other possible locations within the region. Further, as SDG&E has the power of eminent domain, you may not purport to limit the analysis to sites already under the control or otherwise "available" to SDG&E. Undoubtedly, for a project SDG&E considers as significant as this project, it is appropriate to exercise the power of eminent domain to acquire an appropriate, less impactful site.

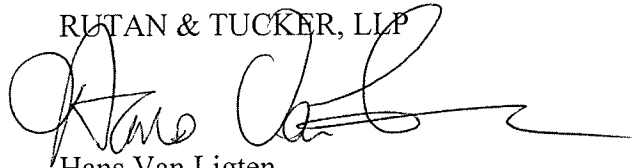
This letter is a preliminary indication of the City's concerns regarding the scope of the environmental analysis to be conducted pursuant to CEQA. It is not intended to be, and is not, an exhaustive list of issues to be analyzed by SDG&E and CPUC prior to action on the application. Specifically, the City, and its residents, expect CPUC to conduct a thorough and

Mr. Andrew Barnsdale
February 8, 2013
Page 6

complete public review of the potential environmental impacts that may arise due to this proposed project, and believe that such a process can identify an alternative addressing the concerns of the community as well as the needs of the region.

Very truly yours,

RUTAN & TUCKER, LLP

A handwritten signature in black ink, appearing to read 'Hans Van Ligten', with a long horizontal flourish extending to the right.

Hans Van Ligten
City Attorney
City of San Juan Capistrano

HVL:ABF:kw

Herron, Christy

From: ilse byrnes <ilse.byrnes@gmail.com>
Sent: Wednesday, February 13, 2013 6:03 PM
To: Herron, Christy
Cc: Grant Taylor; kbrust@sanjuancapistrano.org; Tom Ostenson; Jan Siegel; Griselda Castillo/OC Parks/Hist.Comm.; William Burg/office SHPO/Historian
Subject: Historic Site

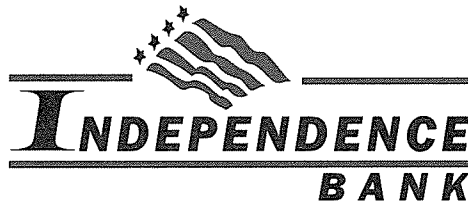
att.: Andrew Barnsdale

The 1917 SDG&E Building on Camino Capistrano in San Juan Capistrano has to be preserved. So much history is connected to this building that the idea or plan to bulldoze it is totally unacceptable. San Juan Capistrano is a city known the world over for it's many- not just the Mission alone - historic treasures and this building is one of them.

Another reason to preserve it is it's close location to the historic downtown- with that huge building that is planned to replace the existing SDG&E building the negative impact by it will be felt all over. I urge you to change your plans to locate the planned building in an area outside San Juan Capistrano in order not to destroy our historic town.

Ilse M. Byrnes
Historian

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February 7, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

RE: Application number 12-05-020

To Whom it May Concern,

Please add my name to the growing list of supporters for the San Diego Gas & Electric South Orange County Reliability Enhancement Project.

The SDG&E facilities in San Juan Capistrano are aging and outdated, unprepared to handle our modern electricity needs in our homes and businesses. Relying on one substation, in Talega, as the gateway for all electrical power in SDG&E's South Orange County service area is foolhardy. We need a reliable backup system in place, before a major incident.

Please don't be swayed by the NIMBYs of San Juan Capistrano who refuse to accept the realities of today. The Capistrano substation was built long before homes surrounded it, and it, and the upgrade, are vital to the community. To say it is in the historic downtown is outright fabrication.

SDG&E has made numerous concessions to the city and residents, working with them on the aesthetics of the property, as well as agreeing to underground the distribution lines crossing Camino Capistrano.

I understand the CPUC will conduct a fair and thorough investigation of the SDG&E. The project should proceed as proposed, as quickly as possible.

Thank you,

C. Lawrence "Larry" Thomas
First Vice President, Regional Manager
South Orange County Regional Office
San Juan Capistrano, California
(949) 373-1570

RECEIVED FEB 15 2013

NCL 13-002

February 11, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite #300
San Francisco, California 94111

SUBJECT: Notice of Preparation Environmental Impact Report for the South Orange County Reliability Enhancement Project Proposed by San Diego Gas and Electric Company

Dear Mr. Barnsdale:

The County of Orange has reviewed the Notice of Preparation Environmental Impact Report for the South Orange County Reliability Enhancement Project Proposed by the San Diego Gas and Electric Company to rebuild and upgrade a portion of its Transmission Infrastructure in South Orange County. The following comments are offered:

Environmental Resources:

1. Potential water quality impacts of construction, ongoing operations and maintenance of the completed project should be evaluated. At a minimum, the following information should be provided:
 - Description of project characteristics with respect to water quality issues, such as project site location in a given watershed, site acreage, known ground contamination, known groundwater contamination, and anticipated change in percent impervious surface area.
 - Identification of receiving waters. The EIR should identify all downstream receiving waters that may receive contributory runoff from the project site.
 - Description of the sensitivity of the receiving waters. In particular the EIR should identify Areas of Special Biological Significance, water bodies with Total Maximum Daily Loads (TMDL), and Clean Water Act Sec. 303(d) listed impaired water bodies.

- Characterization of the potential water quality impacts from the proposed project and identification of the anticipated pollutants to be generated by the project.
 - Identification of downstream hydrologic conditions of concern that may be affected by project related changes in runoff volume and velocity, sediment load, makeup or characteristics; reduced infiltration; and /or increased flow, frequency, duration, and peak(s) of storm runoff.
 - Evaluation of thresholds of significance.
 - Assessment of project impact significance to water quality.
 - If a proposed project has the potential to create a major new stormwater discharge to a water body with an established TMDL, the EIR should consider quantitative analysis of the anticipated pollutant loads in the stormwater discharge to the receiving waters.
 - A reasonable analysis of the cumulative impacts of the proposed project together with past, present and reasonably anticipated future projects (related projects) that could produce cumulative impacts together with the proposed project.
2. Projects that will disturb one or more acres of soil (or disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres), are required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity, Order 2009-0009-DWQ, adopted on September 2, 2009 and as most recently amended.

Flood/SAR/Trails

The project has the potential to impact the three trails and bikeway (of which some exist and others are proposed) at multiple locations including but not limited the following:

- Proposed lines A and B, leading to the Talega Substation at the Orange County boundary with San Diego County (existing Prima Deshecha and Cristianitos Trails)
- Area near the Talega Substation B (Cristianitos Trail)
- Line A, along the southwest and west portion of the Talega Planned Community (existing Prima Deshecha Trail)
- Proposed overhead Line E, along La Pata Road (the Prima Deshecha Trail) to Ortega Highway
- Underground Line C, along La Pata Road (proposed Prima Deshecha Trail)
- Underground Line C, along or near Ortega Highway (existing San Juan Creek Regional Riding and Hiking Trail and the San Juan Creek Regional Class I Bikeway)

- Overhead Line A, across San Juan Creek (existing San Juan Creek Regional Riding and Hiking Trail and the San Juan Creek Regional Class I Bikeway)

The project proponent should collect information from the cities and the County to identify all existing and proposed regional and local Riding and Hiking (dirt) Trails and Class I (paved) Bikeways within the project area. Some lengths of the four regional routes are open to the public, while other sections are planned and not yet built. There may exist other local community riding and hiking trails not described above which are administered by area cities.

Flood Programs:

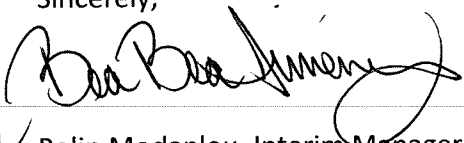
All proposed work of replacing transmission lines within Orange County Flood Control District (OCFCD) right-of-way (fee owned or subject to easement) will require encroachment permits from OC Public Works/County Property Permits section. For information regarding permit applications, please visit our website <http://www.ocplanning.net/> Technical reviews and approvals for the proposed work will be accomplished within the permit process.

All work within or adjacent to OCFCD's right-of-way and/or facility should be conducted so as not to adversely impact OCFCD facility and its structural integrity, hydraulic flow, conditions, and accessibility.

County Public Property:

Based on review of the project as described, it appears that Orange County Road right-of-way in the vicinity of La Pata Avenue and Ortega Highway, as well as at Talega Substation and Cristianitos Road, will be impacted by this project. More detailed maps showing right-of-way boundaries will be required prior to final determination of specific permits. These impacts will be specifically addressed as the project progresses.

Sincerely,



for Polin Modanlou, Interim Manager, OC Community Development
OC Public Works/OC Planning
300 North Flower Street
Santa Ana, California 92702-4048
Polin.Modanlou@ocpw.ocgov.com

cc: Medhi Sobhani, Manager, Flood Programs
Mahrooz Ilkhanipour, Manager, County Property Permits
Chris Crompton, Manager, Environmental Resources
Jeff Dickman, Planner, Flood/SAR/Trails



Citizens for SAFE and RELIABLE POWER

RECEIVED FEB 15 2013

February 11, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
Re: SOCRE Project
c/o Ecology and Environment, Inc.
505 Sansome Street, #300
San Francisco, CA 94111

RE: San Diego Gas & Electric's South Orange County Reliability Enhancement (12-05-020)

Dear Mr. Barnsdale,

We are co-chairs of the Citizens for Safe and Reliable Power, a coalition of San Juan Capistrano and San Clemente residents and business owners supporting the South Orange County Reliability Enhancement.

We find the present situation unacceptable – that a shutdown or incident at the SDG&E Talega Substation could interrupt electrical service for San Juan Capistrano, San Clemente and all of SDG&E's South County service area. Electrical power is essential in our lives and businesses and the system must have safeguards to ensure reliability.

While San Juan Capistrano and San Clemente are cities that value their history, our leaders have always recognized that progress and economic growth are crucial to our future. South Orange County is not the rural community it was when the substation was built decades ago. Not only do we have hundreds of thousands of more residents now, we also have computers, microwaves, phone charges, DVRs and dozens of other devices that require electricity. Increasing the regional electrical capacity and reliability is not only necessary, it is long overdue.

San Diego Gas & Electric has conducted an extensive outreach and education campaign as part of this project, and we appreciate the opportunity to be made partners on the project through numerous open houses, informational meetings and even a charrette to provide ideas on what a new and improved substation could look like.

We understand the Public Utilities Commission environmental review process is detailed and necessary, but we urge the Commission to allow this project to move forward with as little delay as possible.

Thank you,

Stephanie Frisch
San Juan Capistrano

Joe Anderson
San Clemente

Co Chair -
San Clemente
Joe Anderson

Co Chair -
San Juan Capistrano
Stephanie Frisch

Senator Dick Ackerman (ret.)

Beth Apodaca

Fred Armendariz

Steve Behmerwohld

Paul Berkery

Jim Bieber

Mark Bodenhamer

Gary Brown

Collene Campbell

Gary Campbell

Jim Carter

John Gillotti

Nancy Hunt

Erin Kutnick

Dennis Mederios

Mario Rodriguez

Reed Royalty

Tom Scott

Rick Stein

John Tengdin

Lawrence "Larry" Thomas

Donna Varner

Lynn Wood

A community coalition dedicated to supporting modernized electric service for our region.

-----Original Message-----

From: Marilyn [mailto:mjlouis1@earthlink.net]

Sent: Friday, February 15, 2013 3:03 PM

To: Herron, Christy

Subject: socre project effect on Talega community

I am an owner of a home in Talega.

The map sent of the planned project does not show the exact area of San Clemente that it will be going through and crossing over.

Will it be close to the Talega community of homes and if so where exactly. If not, how close will this be since I shows it crosses Pico on the map, Pico ends at Talega and does not go further indicating it will be crossing our properties and homes somehow.

Please advise as soon as possible.

A concerned owner

Marilyn Louis

310-709-2479

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Herron, Christy

From: Mike <airi@cox.net>
Sent: Monday, February 18, 2013 3:02 PM
To: andrew.barnsdale@cpuc.ca.gov; Herron, Christy
Subject: SOCRE Project Comment
Attachments: Power Lines 021813.pdf

Please find attachment.

Yours truly,

Michael Doyle
Direct: 949-378-0537

This message is a PRIVATE communication. This message and all attachments are a private communication sent by Michael Doyle and may be confidential and/or protected as a trade secret. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or use of the information contained in or attached to this message is strictly prohibited. Please notify the sender of the delivery error by replying to this message, and then delete it from your system. Thank you.

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Michael Doyle
27401 Via Priorato
San Juan Capistrano, CA 92675

February 18, 2013

Andrew Barnsdale, CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Email: andrew.barnsdale@cpuc.ca.gov
Tel.: (415) 703-3221
Fax: (415) 703-1758

Project email: SOCRE.CEQA@ene.com Project fax: 415-398-5326 Project voicemail: (855) 520-6799 (toll free)

Re: SOCRE

To whom it may concern:

I am a resident in San Juan Capistrano, CA. My home is adjacent to the right of way of the High Power Transmission Power Lines that extend from La Pata to the Capistrano Substation located in San Juan Capistrano. I have a huge health concern for me and my family as my home's location is adjacent to the right of way and only 10 meters from the first power line.

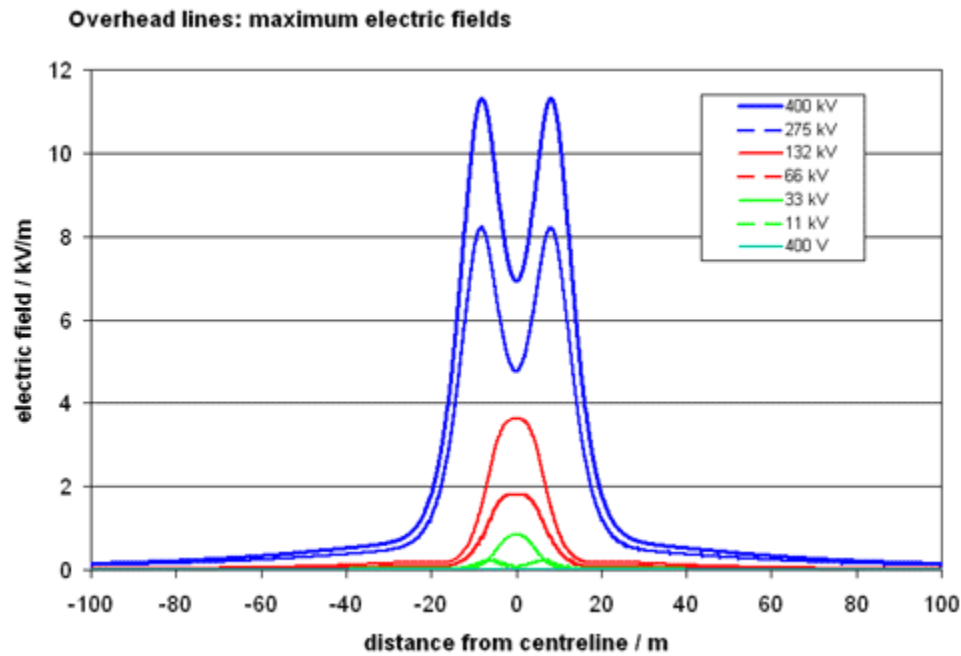
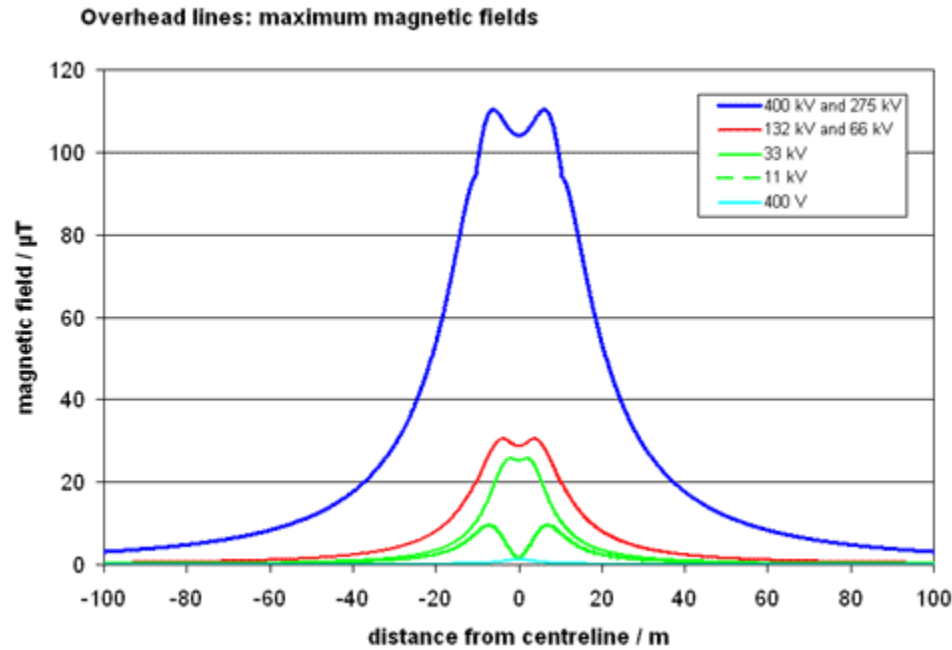
As I understand, the current power lines are carrying less than 400kV and the SCORE proposes more than double or to increase the power to over to 1 million volts. I have researched what consequence this may have on my 1) health, 2) noise (crackling sounds from the power lines) and 3) my property value.

There seems to be more of a reference to bad health issues and no reference to good health issues when it comes to High Power Transmission Power Lines. The health issues range from discomfort to the body all the way to damaging human cells resulting in Leukemia, a form of cancer, which will kill a human body.

My research shows the following safety limits for health reasons:

Maximum permissible exposure (MPE) limits of ANSI/IEEE C95.1-1991. The valley at a frequency of 100 MHz approximately corresponds to resonance of the human body. The three MPE curves meet at 100 MHz because the power density of 2 W/m^2 is the same as that of the 27 V/m electric field or the 0.1 μT magnetic field.

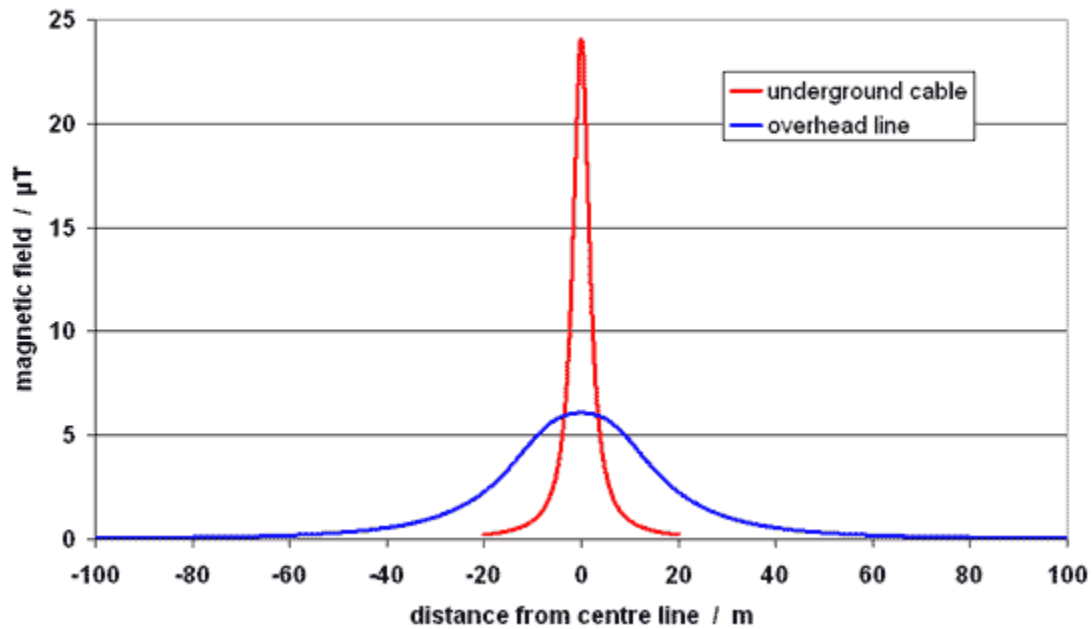
Here are the available charts for Overhead High Voltage Transmission Lines:



Remember, my home is located about 10 meters from the centerline. Also, the test maximum above is only 400kV; what happens at 1,000kV+?? There was no data that I could find in my research and therefore I need an explanation from you.

As you can clearly see from the charts above, my house is TOO CLOSE to these Overhead High Voltage Transmission Lines to comply with the ANSI/IEEE MPE limits even at 400kV.

As a solution I researched Underground High Voltage Transmission Lines and found this comparison chart:



This indicates to me that there is a solution to the transmission of high voltage through residential neighborhoods or directly by houses. The above chart shows that in a given distance the ANSI/IEEE MPE limits can be accomplished for my house. It is clear to me that my house is TOO CLOSE for safety to the current Overhead High Voltage Transmission Lines.

In conclusion to my brief comments on the issue of health; the EPA cannot allow the additional power to be added to the Overhead High Voltage Transmission Lines until additional studies can be made on this extraordinary and excessive amount of energy is fully understood. I would also suggest that a study be done with my current home's location as to the health and safety of the current Electric Fields and Magnetic Fields in accordance with the ANSI/IEEE MPE limits.

The noise needs to be studied by the EPA as no results were available for over 1 million volts of electricity was found by my research.

My property value will be crushed by the perceived health problems caused by Overhead High Voltage Transmission Lines. The EPA must find results that show no health problems exist in the given distance between Overhead High Voltage Transmission Lines, with constant ELF Power pounding the human body 24/7, and a house with human life.

Thank you for taking time to understand why I have my concerns about SCORE. I also offer you the possible solution of underground cabling for the safety of every living thing.

References:\

EMF Cancer Scars: Epidemiology Versus Body Power (Expanded)* by Sid Deutsch

<http://www.siddeutsch.org/essay7.html>

EPA: [California Electric and Magnetic Fields \(EMF\) Program](#)

EMFs.Info: Electric and Magnetic Fields

<http://www.emfs.info/Sources+of+EMFs/Overhead+power+lines/summaries/maximum+magnetic+fields.htm>

Yours very truly,

Michael Doyle

P: 949-378-0537

Email: airi@cox.net

DAN AND JEANNE DAGUE
27642 PASEO LA RONDA
SAN JUAN CAPISTRANO, CA 92675
949-489-0357

02/17/2013

Andrew Barnsdale
CPUC
Re: SOCRE Project
C/o Ecology and Environment Inc.
505 Sansome St Suite 300
San Francisco, CA 94111

RECEIVED FEB 20 2013

RECEIVED FEB 20 2013

Dear Sir,

This letter documents our comments regarding the SDGE project to replace an electrical substation in our home town, San Juan Capistrano, CA.

We strongly support the proposed replacement of the old substation, which was built in 1918.

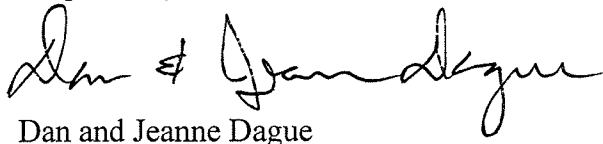
We recognize the need to replace and update the electrical power system for our city and most importantly for our area of Orange County. We well remember recent electrical power outages, especially one that lasted 12 hours.

I (Dan) spent 35 years working as a professional engineer designing and constructing refinery and chemical plant facilities. I understand the need to upgrade and improve the power grid as our area of Orange County grows.

We urge approval for the project.

We are homeowners in San Juan and have resided here for the last 14 years.

Respectfully submitted,



Dan and Jeanne Dague

From: kathleen petersen [mailto:ktpetersen@msn.com]

Sent: Thursday, February 21, 2013 10:16 AM

To: Herron, Christy

Subject: RE: SDG&E, San Juan Capistrano

Mr. Andrew Barnsdale:

I am writing on behalf of my Las Brisas Homeowners in San Juan Capistrano.

After more discussion and listening to our residents we are MAINLY MOST concerned about the uncertainty of the effects of the MTB'S on our community residents. We have many families with small growing children.

I spoke on our behalf at the meeting with you in San Juan Capistrano as did many other of our homeowners as well as city officials. We remain strongly opposed to this project in our back yard near the historic district and the loss of a Historic Building.

Many of the people who spoke for the project neither live in San Juan nor do they care about our citizens. Our city is built out and this will not benefit us in any way.

Please ask SDG&E to move the substation to a more industrial location.

Thank you for listening and for travelling to San Juan to hear from us.

Sincerely,

Kathleen Petersen on behalf of Las Brisas Homeowners Association

Message scanned by the Symantec Email Security service. If you suspect that this email is actually spam, please FORWARD it to spamsamples@message labs.com

From: D Fergus Bentall [mailto:dominicfb@icloud.com]

Sent: Thursday, February 21, 2013 4:05 PM

To: Herron, Christy

Subject: SDGE Substation Rebuild

Dominic and Kelly Fergus-Bentall

31196 Via San Vicente

San Juan Capistrano, CA 92675

To Whom it May Concern:

We strongly oppose the rebuilding of the substation in the Las Brisas section of San Juan Capistrano. We own our home and have resided in the Las Brisas neighborhood for the past 7 years. We believe that our neighborhood is being targeted for this project because it is largely a minority population. There have not been any studies to verify the safety of MTB's and we have a small child. We are not willing to put our child's health at risk, nor our own, when there are many other open areas where this project could be moved to. This project should be moved to a more industrial area, not in the middle of one of the most beautiful historic areas in South Orange County. This is a historic district and it should be respected as such. It also goes against the historic nature of our town to destroy the beautiful existing structure.

Would any of the people trying to approve this project want a 50 foot tall structure to be built in their own neighborhood? The only people in favor of this project do not live in SJC. If this project is approved our home values will surely diminish and we will seek to obtain full compensation for our loss from SDGE directly.

Sincerely,

Dominic and Kelly Fergus-Bentall

From: Carla DiCandia [mailto:Carla.DiCandia@stjoe.org]
Sent: Thursday, February 21, 2013 1:05 PM
To: Herron, Christy
Subject: SOCRE

Hello! I am a resident of the Capistrano Garden Homes in San Juan Capistrano. I grew up in SJC and am fond of the historic buildings, including your building on Calle Bonita. However, as a former government employee/project manager, I completely understand the need to renovate and bring public facilities up to date. I'm now a manager at Mission Hospital and oversee community health projects, including an obesity prevention initiative for children. This lead me to think about how we might partner together (I have some money ☺) to make your renovation project more palatable for the community by perhaps adding some community amenities into the project. It's just a thought... I haven't even gone the whole way through the idea process, however, we know that your facility is located in a high need, underserved area and the residents are continually asking for more amenities, parks, exercise courses, trails, community rooms, etc... I think we could very easily work together to make this a project that the community actually supports and wants!!

Am looking forward to your thoughts...

Carla DiCandia, MPA
Manager of Health & Ministry Services
Mission Hospital
27700 Medical Center Road #150
Mission Viejo, CA 92691
949.364.1400 x4007

From: Rhen Kohan [mailto:rhenkohan@cox.net]
Sent: Friday, February 22, 2013 9:26 AM
To: Herron, Christy
Subject: Email and Attached Letter opposing the SDG&E Project

Dear Mr. Barnsdale:

Our family had lived across the street from the SDG&E substation since 1987 and wish to voice objection to the upgrade and manner of how the utility has handled the proposed upgrade process in our community during which then lost our trust.

My computer has been down since before the 1/23/13 meeting in San Juan Capistrano. Due to not being able to type up a new letter, I would like to use my iPhone to echo and submit the attached letter sent by Kim Lefner of San Juan so this email along with her letter are my protest. Ms. Lefner well describes the concerns we have regarding the negative effects of the upgrade on our city, property values, and health. Due to these factors, I ask this upgrade be moved to a new location. SDG&E has said they considered this but won't do it. Yet that shouldn't mean they can just shove this new project on us with its multiple and substantial negative impacts listed above. SDG&E should not be allowed to continue in the same location.

Thank you for your review and serious considerations.

Rhen Kohan
30161 Via Santo Tomas
San Juan Capistrano, CA 92675

Att: Lefner letter attached below
Sent from my iPhone
Begin forwarded message:
----- Original Message -----

From: [klefner](#)
To: SOCRE.CEQA@ene.com
Sent: Tuesday, February 05, 2013 9:14 PM
Subject: Letter opposing the SOCRE Project

Dear Mr. Barnsdale,

Please see attached letter in re: SDG&E's proposed SOCRE Project in San Juan Capistrano.

Thank you,

Kimberly Lefner
San Juan Capistrano

February 4, 2013

Andrew Barnsdale
California Public Utilities Commission

Re: SOCRE Project, c/o Ecology and Environment, Inc.
5050 Sansome St., Ste. 300
San Francisco, CA 94111

Dear Mr. Barnsdale,

As a resident of San Juan Capistrano (SJC), I wish to register my opposition to SDG&E's proposed "Reliability Enhancement Project" in the middle of our town.

The existing substation is small and has been there for decades. It sits at the Northern entrance to our historic downtown, home to Mission San Juan Capistrano and the oldest still-active neighborhood in California.

In the years since it was built, neighborhoods and schools have sprouted up all around the existing substation. To double the size of it, covering **6.4 acres** in the middle of family neighborhoods and schools is completely inappropriate and quite possibly dangerous to the health of those exposed to it.

If approved, this project will **more than double** the voltage on the transmission lines throughout our town. SDG&E admits that EMF levels will likely increase as a result.

SDG&E says they're "taking measures" to reduce the EMF but they can't guarantee that we won't be exposed and they can't say by how much, because they don't know.

If no one can say with certainty that this will have no measurable impacts, why risk it at all?

It's funny that SDG&E calls this a "reliability" project. I asked SDG&E if this expansion would have prevented the 12-hour loss of power we experienced in 2011. They admitted no, it would not have; that outage was due to a problem elsewhere on the grid. I learned that reliability is a PR term sometimes used by utility companies to overcome objections by residents. PG&E stated as much in a public relations document posted online.

SDG&E in fact admits that this is being proposed in order to accommodate "regional needs", not San Juan needs. In fact, San Juan will get less than 10% of the power generated from this. I understand the need to accommodate new development, but San Juan is built out. We do not have increased needs like other cities. Our little town should not be made to take the brunt of the impacts.

SDG&E admitted they can build this new substation outside of San Juan, away from people. I encourage the CPUC to reject this project in SJC, and to encourage SDG&E to move it out of our neighborhoods and away from the middle of historic San Juan. There are just too many impacts and too many unknowns.

Please, do not approve this severe impact on our small town.

Thank you,

Kimberly Lefner
San Juan Capistrano, CA 92675

Herron, Christy

From: Santos, Remedios <RPSantos@semprautilities.com>
Sent: Friday, February 22, 2013 3:34 PM
To: Herron, Christy; 'andrew.barnsdale@cpuc.ca.gov' (andrew.barnsdale@cpuc.ca.gov)
Cc: Giles, Rebecca; 'Taylor, Joshua D.'; Turley, Mary I.; Central Files; Evans, Darleen; Trial, Allen; de Llanos, Estela
Subject: A.12-05-020 SOCRE NOP SDG&E Comment Letter - 02/22/13
Attachments: A.12-05-020 SOCRE NOP SDG&E Comment Letter 02-22-13 FINAL.pdf

Sent on Behalf of Mary Turley and Rebecca Giles:

Andrew,

Attached please find SDG&E's comment letter to Energy Division's January 9, 2013 Notice of Preparation (NOP) indicating CPUC's intent to prepare an Environmental Impact Report (EIR) in accordance with CEQA.

If you have any question, please contact Rebecca Giles either by phone: (858) 636-6876 or e-mail: RGiles@semprautilities.com.

Remedios "Mimi" Santos

Regulatory Case Analyst

SDG&E-CP31-E

Tel #: (858) 654-1852

Email: rpsantos@semprautilities.com

Message scanned by the Symantec Email Security service. If you suspect that this email is actually spam, please FORWARD it to spamsamples@message labs.com



Mary Turley
Project Manager - Major Projects
8315 Century Park Court, CP21C
San Diego, CA 92123
(T) 858-654-1749
(F) 858-637-3770

February 22, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
RE: SOCRE Project
c/o Ecology & Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111
SOCRE.CEQA@ene.com

RE: South Orange County Reliability Enhancement Project Notice of Preparation (NOP)

Dear Mr. Barnsdale:

San Diego Gas & Electric Company (SDG&E) appreciates the opportunity to provide comments on the scope of the Environmental Impact Report (EIR) for the South Orange County Reliability Enhancement Project (Proposed Project). To assist the California Public Utilities Commission (CPUC) in the preparation of an accurate and comprehensive EIR, this letter corrects misstatements recently made during the EIR scoping period and provides input into the range of potential alternatives that should be considered in the EIR.

Specifically, SDG&E is writing to:

- 1) Correct and clarify statements made during recent scoping meetings and in a comment letter submitted by the City of San Juan Capistrano;
- 2) Comment on the range of alternatives to the Proposed Project that should be evaluated in the EIR; and
- 3) Provide an update on SDG&E's public outreach efforts since the submittal of the application for Certificate of Public Convenience and Necessity (CPCN) and Proponents Environmental Assessment (PEA) in May of 2012.

Recent Misstatements Made During Scoping

While in attendance at the two recent CPUC EIR Scoping Meetings, SDG&E took note of comments made that were either incorrect or misleading about the Proposed Project, SDG&E's development of the Proposed Project, and the condition of existing SDG&E facilities. SDG&E noted similar comments and

statements within the City of San Juan Capistrano’s NOP comment letter. Some of these comments include the following:

- “The Capistrano Substation site is located within the historic downtown city.”
- “The Capistrano Substation is located within designated historic district(s).”
- “The Capistrano Substation site is located along the “Gateway” or the “Northern Gateway” to the historic downtown.”
- “The City’s Buildings of Distinction (BOD) list is not “honorary.”
- “SDG&E has not disclosed any information on what the new substation could look like.”
- “SDG&E has not provided information to the public.”
- “SDG&E has not considered alternatives to the Proposed Project, including alternative sites.”

In addition, the NOP comment letter submitted by Rutan and Tucker (on behalf of the City of San Juan Capistrano) also included information that is either incorrect or misleading, including the following:

- The letter confuses the existing “Capistrano Substation” with the “former utility structure” located on the Capistrano Substation property.
- The City erroneously claims that former utility structure is an integral part of the City’s historic core.
- The City overstates the significance of the former utility structure by claiming that it is eligible for inclusion on the Inventory of Historic and Cultural Landmarks (IHCL) and the State and National Registers of Historic Places.
- The City baldly asserts that removal of the former utility structure will significantly impact the other cultural and historic resources within the City, including the Historic Town Center.
- The City states that the Native American Heritage Commission (NAHC) must be consulted, falsely suggesting that no such consultation has occurred.

SDG&E requests that the EIR include a more balanced and accurate assessment of the cultural significance of the former utility structure. In particular, the EIR should consider the following facts:

- SDG&E’s existing Capistrano Substation (as opposed to the former utility structure) is located on the eastern portion of the existing property and is not listed on the Buildings of Distinction (BOD) list or any other list for that matter. In fact, the Capistrano Substation is not and never has been listed on the City’s IHCL or any other state or national registry of historic places. The structure the City refers to as the existing Capistrano Substation is an empty building located on the western portion of the property that has not been actively utilized for utility purposes for over 50 years (i.e., the “former utility structure”).
- SDG&E’s Capistrano Substation and the former utility structure is not within any known or identified existing historic district, site, or property, within the Historic Town Center, or within the City’s historic core. It is also not listed on the Historic Walking Tour Sites and Properties map provided on the City’s website. None of the resources reviewed to date contain any historic or similar designation related to downtown San Juan Capistrano (i.e., Historic Down Town,

Historic Town Center and Master Plan, City historic core, designated historic districts, and designated historic streets) north of Zanja Street, which is located over a quarter of a mile south of the Capistrano Substation site. Please refer to the attached maps (Exhibits 1, 2, 3, 4 and 5) for reference to the geographic relationship between the Capistrano Substation site and mapped historic areas, including the Historic Town Center.

- The fact that the former utility structure is included on the City’s BOD list does not necessarily mean that the structure is a significant resource or that its removal will result in a significant impact to cultural resources. According to the San Juan Capistrano General Plan, Cultural Resources Element (page 11) dated December 14, 1999; the BOD list “*serves as an inventory of resources regarded by the Cultural Heritage Commission as potentially eligible for the IHCL list. ...it is an honorary designation which imposes no restrictions and conveys no benefits.*” The City’s Cultural Heritage Commission has described the scope and responsibilities of the City’s BOD program as follows: “[T]he BOD is **not** the list of designated historic structures. The BOD was established as an **administrative list** of the [Cultural Heritage Commission] containing potentially important sites; it is considered to be **honorary and informal**.... There are no benefits or responsibilities for owners of these sites; there is no requirement for a site plan review approval by the Commission when an owner wants to add on to or demolish one of the BOD buildings. Staff does, however, take the BOD (along with many other resources) into account when evaluating potential impacts of projects under [CEQA].” (Cultural Heritage Commission Meeting Minutes, August 20, 2007, pages 2-3(emphasis added).)

The BOD and IHCL hold only a local level of cultural significance. A property on the IHCL would still be only *potentially* eligible for the State and/or National Register of Historic Places and would require a formal study to be considered eligible. A formal study was conducted by a qualified expert to determine eligibility for the former utility structure. The former utility structure was deemed to be ineligible in the study.

- The Community Design Element of the San Juan Capistrano General Plan on pages 4 and 5 discusses image and identity as follows:

“The Mission and the Spanish history, as well as the Native American and Mexican heritage of San Juan Capistrano can be seen in its architecture and design.”

The former utility structure does not fall into this design or style, and does not complement the historic theme that is so important to the City. Moreover, it is not located within the Historic Town Center. The City has not demonstrated how removal of a former utility structure that does not reflect the City’s image and identity would “significantly impact” cultural and historic resources that *do* reflect the City’s image and identity.

- SDG&E contacted the NAHC on January 12, 2012. A response was received on January 18, 2012, and letters were sent on January 20, 2012 to the nine groups/individuals on the list provided by the NAHC.

SDG&E requests that the CPUC analyze the potential significance of the former utility structure in light of the City's adopted cultural resources protections and policies, rather than unsupported assertions about the significance of the structure and the potential to affect other cultural resource throughout the City.

Range of Alternatives to be Considered within the EIR

SDG&E notes that neighboring property owners and the City of San Juan Capistrano have expressed concerns with the potential visual and property value impacts associated with the Proposed Project and will likely continue to ask the CPUC to consider any number of alternatives to the proposed location or Proposed Project configuration. SDG&E requests that the CPUC review the information concerning alternatives within the PEA ensure that alternatives considered within the EIR focus on the objectives of the Proposed Project, and that any alternatives considered are evaluated with respect to their feasibility.

The NOP Comment letter submitted by Rutan and Tucker requests the consideration of alternatives, including alternative sites both within and outside of the City of San Juan Capistrano. Section 5.2 of the PEA includes discussion of alternative substations sites both within the load center (within the City of San Juan Capistrano) and outside of San Juan Capistrano, at the Prima Deshecha Landfill as well as numerous other potential alternative projects, including a realistic "No Project" alternative.

SDG&E notes that the San Juan Capistrano Substation site was chosen over a location east of the City of San Juan Capistrano, specifically, the Prima Deshecha Landfill site, because (1) San Juan Capistrano Substation is located closer to customer load than the Prima Deshecha Landfill (see Figure 2-2 of PEA), which allows for more efficient use of existing transmission, distribution, and telecommunication lines; (2) land at the Prima Deshecha Landfill would need to be purchased and major improvements made which would add significant costs and construction impacts to the project (estimated that a 50% increase in the overall amount of grading activity would occur with this alternative compared to the Proposed Project); (3) a new substation at Prima Deshecha Landfill does not remove the need to upgrade and modernize San Juan Capistrano substation which includes removal of the existing building and construction of a perimeter fence; and (4) construction projects at both San Juan Capistrano Substation and Prima Deshecha Landfill would disturb more land and have a greater impact than a single construction project at San Juan Capistrano Substation alone. Section 5.2.4.2 of the PEA discusses alternative substation locations in more detail.

SDG&E notes that any alternatives reviewed within the EIR would need to achieve the fundamental goals of the Proposed Project, as follows (refer to PEA Section 2.0):

- Provide transmission system reliability:
 - Reduce the risk of an uncontrolled outage of all South Orange County load.
 - Reduce the risk of a controlled interruption of a portion of the South Orange County load.
 - Comply with mandatory North American Electric Reliability Corporation (NERC), Western Electric Coordinating Council (WECC) and California Independent System Operator (CAISO) transmission planning and operations standards.
- Rebuild Capistrano Substation to replace aging equipment and increase capacity.
- Improve transmission and distribution operating flexibility.

- Accommodate customer load growth in the South Orange County area.
- Locate proposed facilities within existing transmission corridors, SDG&E right of way (ROW) and utility owned property.

SDG&E requests that the EIR evaluate the feasibility of the potential alternatives that are developed, including substation site alternatives as they relate to the goals of the project as listed above.

Updated Description of SDG&E's Public Outreach Efforts

SDG&E has been committed to fostering public involvement and input throughout the development of the Proposed Project, and continues to present the Proposed Project to interested parties and work with key stakeholders during the continuing project approval process.

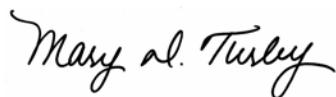
SDG&E has continued its outreach to the community since filing the CPCN application on May 18, 2012. Below is a sample of presentations and events the SDG&E project team participated in during the previous six months. In addition to the presentations and events, SDG&E opened a South Orange County Reliability Enhancement Project public outreach office just north of the Mission in the City of San Juan Capistrano. The outreach office is open weekdays from 9:00 am to 5:00 pm. To better serve the community, the office is staffed full time by an SDG&E representative that is fluent in Spanish. SDG&E will continue to work with interested landowners, affected Cities, the County of Orange, and other stakeholders to ensure that the Proposed Project takes community values into account to the extent feasible.

South Orange County Reliability Enhancement Project Public Outreach		
Presentation/Event Name	Date	Attendees at event/meeting
San Juan Capistrano Summer Concert Series – Information Booth	6/20/2012	3,000
San Juan Capistrano July 4th Event – Information Booth	7/4/2012	10,000
San Juan Capistrano Summer Concert Series – Information Booth	7/18/2012	3,000
San Juan Capistrano Summer Concert Series – Information Booth	8/15/2012	3,000
San Juan Capistrano Rodeo Kick Off – Information Booth	8/18/2012	200
Laguna Niguel Chamber 4 City Mixer – Information Booth	7/26/2012	175
San Juan Capistrano Council – Presentation	8/7/2012	30
San Clemente Fiesta – Information Booth	8/12/2012	15,000
Capistrano Garden HOA – Presentation	9/17/2012	10
San Juan Capistrano Summer Concert Series – Information Booth	9/19/2012	3,000
Orange County Association of Realtors - Presentation	10/17/2012	75
San Juan Capistrano Tree Lighting – Information Booth	12/1/2012	50
San Clemente Chamber Board – Presentation	1/11/2013	20
SOC Regional Chambers of Commerce – Presentation	1/15/2013	25
San Juan Capistrano Chamber – Presentation	1/16/2013	20
South County Mayors Breakfast – Presentation	1/17/2013	30
Orange County Association of Realtors – Presentation	1/24/2013	100

In addition to the events listed above, on October 10, 2012, SDG&E's Project Team held its first meeting with the City of San Juan Capistrano Aesthetics Team. This initial meeting was scheduled so that SDG&E could inform the City Aesthetics Team on the portions of the Project that they could have input such as landscaping, wall materials and theme as well as possible facades for the substation buildings. The meeting began with a tour of the perimeter of the substation. The combined team then assembled at City Hall to discuss the public charrette process that led to the three Spanish/Mission style renderings that the local community favored. SDG&E explained to the City that it is only using the renderings as a starting point and that the City Aesthetics Team was formed to provide an alternative for SDG&E to consider. The City Team indicated that they will develop some ideas and provide a story board to SDG&E for consideration for the development of an architectural design for the project. As of this date, the City has not scheduled a follow up meeting with SDG&E.

SDG&E hopes that this letter serves to clarify some of the statements made during the NOP scoping period and will assist the CPUC in preparing an accurate EIR. Again, SDG&E appreciates the opportunity to comment on the scope of the Draft EIR and the CPUC's efforts to complete the environmental review of the Proposed Project in a timely manner. Should you have any questions, please do not hesitate to contact me at (858) 654-1749 or Edalia Olivo-Gomez at (858) 637-3728.

Sincerely,



Mary Turley
Project Manager

Cc: Rebecca Giles, SDG&E
Estela de Llanos, SDG&E
Joshua D. Taylor, TRC

Exhibit 1 – Historic Town Center Gateway
Exhibit 2 – Historic Walking Tour Map
Exhibit 3 – Historic Town Center Aerial Map
Exhibit 4 – Historic Town Center Master Plan Overview Map
Exhibit 5 – Historic Resources Map

Town Center Vision Plan



This section contains descriptions and illustrations of the five unique places within the Town Center District, as introduced in Section 1.2, as well as the recommended Repositioning area on the east and south side of Del Obispo Street. These descriptions are intended to convey the general urban design intent of each of those places, with suggestions and weave it into the downtown while maintaining its uniqueness and value to the whole.

A brief overview of the entire Vision Plan is provided on the following pages. Sections 3 and 4 of this Plan present in more detail the design and function of the proposed interconnected network of walkable streets that will frame and organize the Town Center.

Town Center Places

- 1 Town Center Gateway
- 2 Ortega Highway and the Mission
- 3 Verdugo Street and the Capistrano Depot
- 4 Camino Capistrano
- 5 El Camino Real and the Historic Town Center Park

Repositioning Areas

- 6 North Del Obispo
- 7 South Del Obispo
- 8 West Del Obispo

Exhibit 1 - Historic Town Center Gateway

DRAFT

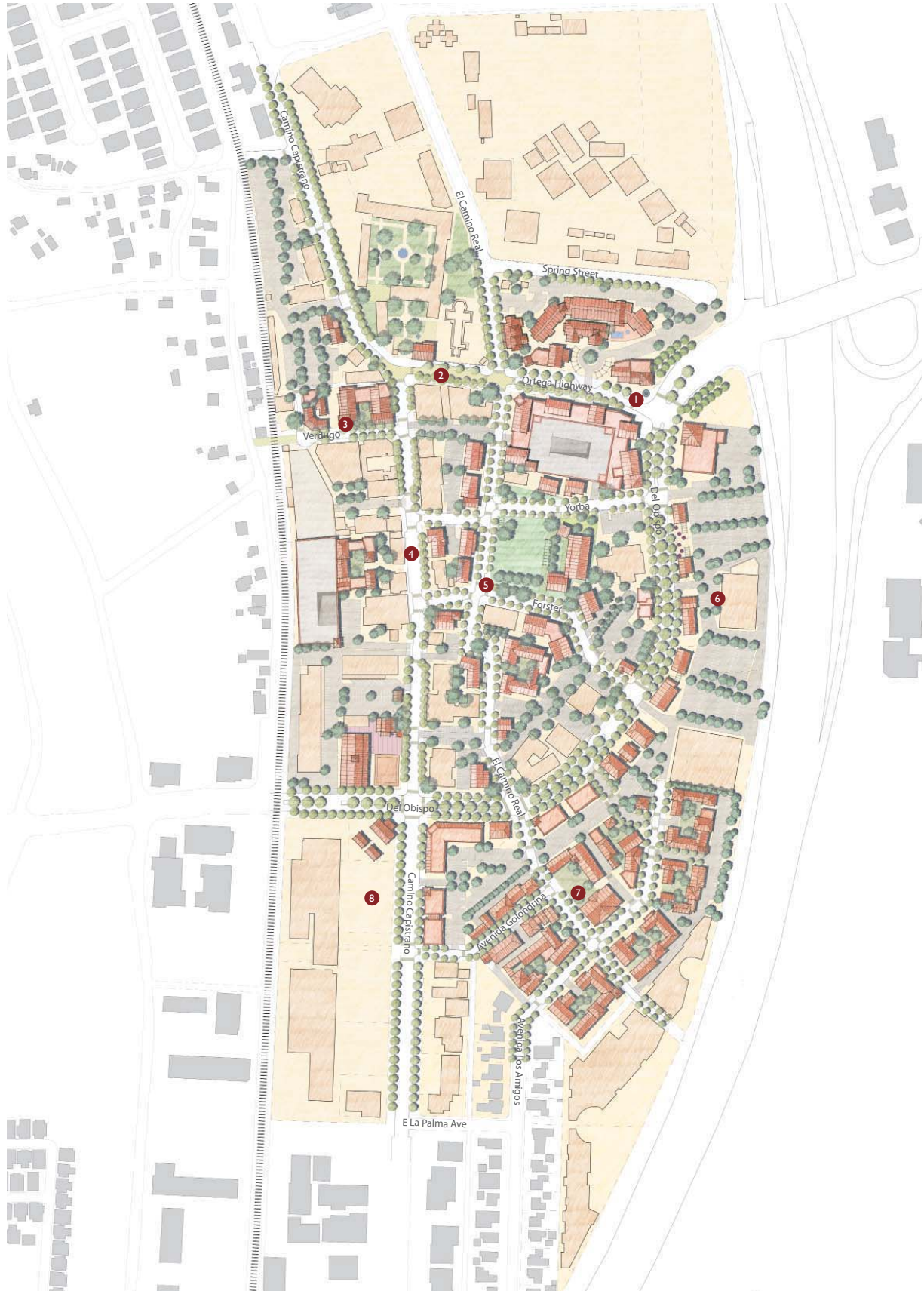


Exhibit 1 - Historic Town Center Gateway

DRAFT

- Walking Tour Sites & Properties -
Visit in any order and begin at any point.

Capistrano Substation site is approximately 0.28 miles north of Zanja Street (boundary of tour area)



1 Mission San Juan Capistrano Ortega Hwy. at Camino Capistrano, SPANISH ERA - Founded November 1, 1776, the Mission is the seventh in the California mission chain and the centerpiece of San Juan Capistrano's historic downtown. The "Jewel of the Missions" occupies a ten acre site and includes the beautiful central courtyard and numerous museum rooms and displays that bring the Spanish and Prehistory Eras to life. Serra Chapel, one of the oldest buildings in California, and the ruins of the Great Stone Church are also found within the Mission gates. Entrance fee.

2 Capistrano Depot End of Verdugo St., STATEHOOD ERA - This red brick, dome topped railroad station was built in 1894 by the Santa Fe Railroad and is the oldest Mission Revival style rail station in Southern California. At the time of its completion in 1894 the Depot was called "the finest depot on the Santa Fe system." (See photo on cover.)

3 Los Rios Historic District - Spanish Era through STATEHOOD ERA - The Los Rios District includes 31 historic structures which line both sides of Los Rios Street between Del Obispo and Mission Streets. The District comprises the oldest continually occupied residential streets in California and includes three adobe homes built in 1794 as housing for families with ties to the Mission. The survival of some of the earliest structures, and the building of later period homes, makes this District truly unique, offering a glimpse of the evolution of residential California within a single neighborhood. Among other significant features of the District are the numerous single-wall board and batten homes erected circa 1887 to 1910. These vernacular structures are of a type of construction representative of both the scarcity of lumber in the area, the walls being a singleboard width thick, and of the modest means of those families who built them. In general they are less than one thousand square feet of living space, rectangular shaped with gable ends. Private residences, view from street only. Listed in the National Register of Historic Places in 1983. The structures indicated with letters (A-X) are on the National Register, those listed with Roman numerals are historically significant homes that have been relocated to the Los Rios area. *Indicates open to the public at specified times.



- | | |
|------------------------------------|--------------------------|
| A. Olivares House | M. Montanez Adobe * |
| B. Romero/Olivares House | N. Soto House |
| C. Reyes House | O. Rodman House |
| D. Brown House | P. Velasquez House |
| E. Becerra House | Q. Lobo House |
| F. Silvas Adobe (See below) | R. Trulis House |
| G. Oyharzabal House | S. Rios/Stamfield House |
| H. Pryor/Garcia House *(See below) | T. Railroad Out Building |
| I. Olivares House | U. Olivares Mesa House |
| J. Rios Adobe (See below) | V. Labat House |
| K. Lupe Combs House | W. Blank House #1 |
| L. Ramos House | X. Blank House #2 |
-
- | | |
|--|--|
| II. SDG+E Troubleman's Cottage | VII. Arley Leck House |
| III. English House/leeman's | VIII. SDG+E Troubleman's Cottage - Two |
| IV. Buddy Forster House | |
| VI. Yorba/Love House (Sears Roebuck Catalogue House) | |

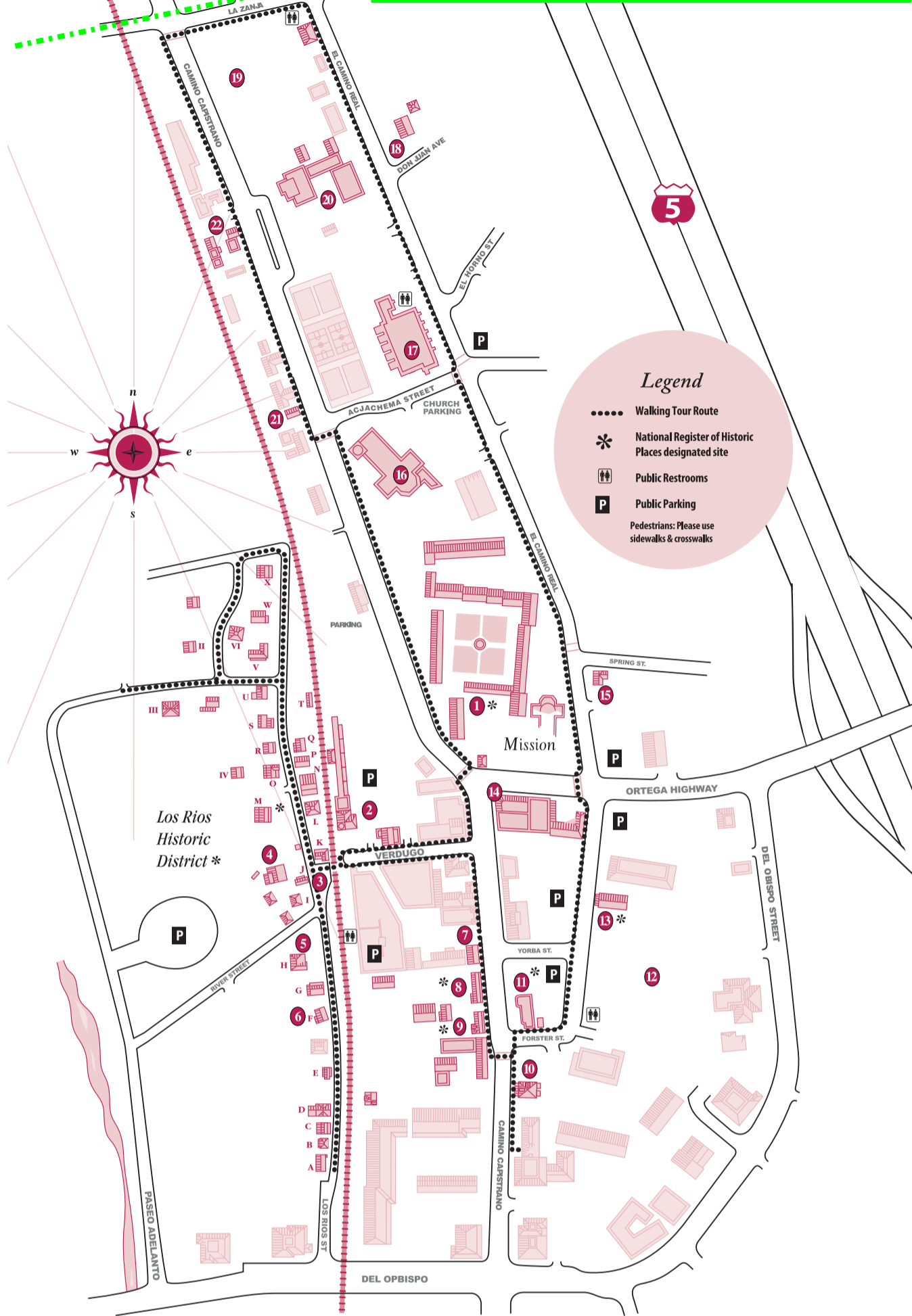
4 Rios Adobe -31781 Los Rios St., SPANISH ERA - The Rios Adobe is still home to the Rios family (10th generation) and is the oldest residence in California continuously occupied by a single family. Adobe bricks were formed with the mud and straw available on-site or nearby. Los Rios District adobes reveal a policy unique to Mission San Juan. It was the first mission to allow Native Americans working within the mission system to reside outside the mission grounds. This is thought to have been important to the generally good relationship in San Juan Capistrano between Native Americans and Spanish newcomers. Private residence, view from street only. The late 1800's period board and batten outbuilding near the street was a family run restaurant in the 1930's.



5 O'Neill Museum (Garcia/ Pryor House) - 31831 Los Rios St., STATEHOOD ERA - Built between 1870-1880 by Jose Delozes Garcia for his wife. Today it is home to the San Juan Capistrano Historical Society and O'Neill Museum - a house museum. Hours posted at front door.

6 Silvas Adobe -31861 Los Rios St., SPANISH ERA - This 1794 adobe home is typical of Los Rios District adobes, being a small, rectangular structure featuring few windows, gable ends, wide adobe brick walls, and a simple front and back doorway.

7 Avila Adobe -31831 Camino Capistrano, MEXICAN/RANCHO ERA - Juan Avila, a beneficiary of the Mexican policy of land grants, built the ten room Avila Adobe in the 1840's. Called "El Rico," (the rich one), Avila's land holdings included most of what is now Laguna Niguel and Laguna Hills. An 1879 fire led to a partial rebuilding,



but the adobe is currently less than a third of its original size. An extensive restoration of the structure was completed in 1992 which included raising the roof to pre-fire height and creating a viewing area for a period cistern located west of the building.

8 Garcia Adobe -31861 Camino Capistrano, MEXICAN/RANCHO ERA - The Garcia Adobe is only 2- story adobe in San Juan Capistrano. This structure, whose exterior walls are over three feet thick, originally had a second story over only half of the ground floor area. In 1880, the remaining ground floor area was covered by a second floor and the Monterey style balcony added. A striking feature of the balcony is the lacey wood accents which are original to the addition.



9 Yorba Adobes -31871 & 31891 Camino Capistrano, MEXICAN/RANCHO ERA - The c.1830 Domingo Yorba adobe is typical of San Juan adobes from this period with 12"-20" thick walls and a wood shingle roof. The adobe has been owned by the Oyharzabal family since 1880 and still serves as a residence for family members. The Miguel Yorba adobe was originally two separate 1840's structures. The Vander Leck family connected and renovated the buildings for their home, but the structures were transformed into the El Adobe Restaurant in 1948. The southern portion had been the juzgado (or courthouse) and jail, and at one time or another served as a store, stage depot, and overnight hotel. Portions of the adobes were originally homes to the Yorba family, whose roots in San Juan date back to the expedition that scouted Mission sites in 1769. View from street only.

10 Egan House -31892 Camino Capistrano, STATEHOOD ERA - Called Harmony Hall, this distinguished terra cotta brick building, constructed in 1883, was rebuilt in 1898 after fire partially destroyed the second floor. Originally a local farmer, Richard Egan was later elected Justice of the Peace and became known as "King of Capistrano." Egan built



Harmony Hall from the leftover brick used to build Casa Grande, John Forster's nearby mansion, (torn down 1964), and the home was visited by many influential and famous people of the day including actress Helena Modjeska. Judge Egan is credited as being the major influence in bringing the railroad to San Juan.

11 Esslinger Bldg. 31866 Camino Capistrano, 20th CENTURY - Completed in 1939, the Esslinger Building is one of the best examples in Orange County of the Streamline Moderne style of architecture. The Moderne style was an outgrowth of the machine aesthetic and the curved aerodynamic form of the airplane. An outstanding feature of the structure is the bold use of glass block across 70 feet of the front facade. Built by Dr. Paul Esslinger as a medical office, it was one of the most advanced medical buildings of its time. The architect was Albert Law.

12 Heritage Town Center (HTC) Park -Forster St. and El Camino Real, SPANISH ERA TO 20th CENTURY - To the east on the El Camino Real, within the vicinity of the HTC Park area, were a series of adobes including: the Canedo Adobe, Casa Tejada, the Burruel Adobe, and the only surviving earthen structure, the Blas Aguilar Adobe. To the south of the park is the location where the Mendelson Inn once stood. The large green encompasses an area dedicated to preserving open space that was once the location of some of these historic structures

13 Blas Aguilar Adobe - 31806 El Camino Real, SPANISH ERA - The Blas Aguilar Adobe may date back to 1794 and was part of a larger dwelling, made up of two adobes separated by a courtyard with a connecting building in the shape of a U, called Hacienda Aguilar. The adobe is associated with Don Blas Aguilar, the last Alcalde (or regional governor) of the Mexican/Rancho era. The adobe was the focal point for area political and governmental activities during this period.



14 Ferris-Kelly Buildings - 31754 Camino Capistrano, 20th CENTURY - This group of three buildings, c. 1920's, are among

structures. All three have distinct facades, the two fronting Ortega Highway being a Mission Revival style, and the brown brick building on Camino Capistrano having art deco stylized elements. The Ferris-Kelly buildings were placed on a part of the town plaza site, where fiestas and bullfights were held during the Spanish and Rancho eras. In 1946 the Archdiocese of Los Angeles purchased the building complex to ensure the respectability of businesses located across from the Mission. Numerous businesses over the years have resided in the buildings including auto dealerships, a pharmacy/soda fountain, a fire station, local newspaper and the original City Hall.

15 Stroschein House El Camino Real at Spring Street, 20th CENTURY - This 1927 yellow clapboard home was originally built by Carl and Fred Stroschein for Carl and his new bride. The 650 square foot vernacular gabled house was built on land purchased by German immigrant William Stroschein in 1887 from the Archdiocese of Los Angeles. The Stroscheins originally raised walnuts on the property, and later oranges and avocados. It is suspected the house plan may have originated from a popular source of the day - the pattern book.



16 Mission Basilica - Camino Capistrano at Acjachema Street, 20th CENTURY - This magnificent church is a copy of the original stone church, destroyed by earthquake in 1812. The New Parish Church is 30% larger than the original, whose ruins can still be seen within the Mission walls. The Church bell tower, whose bells can be heard throughout town, makes it the tallest building in San Juan Capistrano. The interior features decorative painting that uses motifs and colors found in the original stone church and a new 44' high grand retable installed in 2007.

17 San Juan Capistrano Regional Library -31495 El Camino Real 20th, CENTURY - "The first postmodern building" is the title bestowed on this famous structure designed by architect Michael Graves. The 1983 Library received numerous awards by architectural societies and is visited by architectural aficionados from around the world. The building features a generous children's library, a reading room with fireplace, courtyard with fountain and a community meeting room.



18 Eyraud/Chabre House - 31382 El Camino Real, 20th CENTURY - This Spanish Revival style home was built in the early 1920's for Mr. & Mrs. Leon Eyraud, proprietors of San Juan Hot Springs in the 20's and 30's. Typical elements of the Spanish-Revival style seen in the home include a low pitched roof, limited deep-cut openings, decorative iron work and cast building ornamentation. A relationship with the outdoors via French doors and a formal axial garden design are also indicative of the style. Private residence, view from street only.



19 Stone Field Camino Capistrano at La Zanja Street, SPANISH & 20th CENTURY - Stone Field gets its name from the stone walls that surround it. These walls were built between 1936 - '39 as WPA projects, and are representative of a significant American era - the Depression. Archeologists have documented the Mission period brick-lined aqueduct, or zanja, traverses Stone Field traveling between Trabuco Creek and the Mission grounds.



20 Old Union High School - 31422 Camino Capistrano 20th CENTURY - This 1939 moderne-style building replaced a 1922 Mission style structure deemed seismically unsafe. It features many elements characteristic of the Streamline Moderne style including flat roof, grooved horizontal wall lines and asymmetrical facade. In addition, curved corners and glass block corner windows are typical moderne features. Currently Serra Alternative High School.



21 Ice House 31531 Camino Capistrano, 20th CENTURY - The Ice House residence, built in 1920, perhaps as early as 1905, is the only surviving structure from the commercial ice business. This structure served as the home for the operator of the commercial ice operation conducted on site until the mid 1940s. In the 1940s commercial ice was replaced by electrically operated residential refrigeration. Notably the Ice House has been in continuous use as a commercial structure.



22 Yorba/Decorative Arts Villa 31431 Camino Capistrano, 20th CENTURY - The Yorba/Decorative Arts Villa, built between 1920 and 1925, has served many uses over time. The 750 s.f. house was constructed as part of the Yorba estate and one of the few remaining of what was several board and batten style structures along Camino Capistrano in the 1920s. In the 1930s the home was used to house workers during the harvest of local crops. In 1967 the house was extensively remodeled and enlarged to become a complex of buildings. Plans approved for wedding and special event venues.

Capistrano Substation site is approximately 0.75 mile north of this point



Aerial view of Historic Town Center

Revitalization
Historic Town Center

The proposed Historic Town Center is an area of 44 acres, consisting principally of the area bounded by Ortega Highway, Del Obispo Street, and the Santa Fe Railroad. To this core area is added the block on the northeast corner of Ortega Highway and El Camino Real.

The existing core area, which has some original components of a traditional village fabric, is approximately 20 acres. This is very small for a city with the size and stature of San Juan Capistrano. Its growth and development over time has been constrained by – among other things – a number of fixed elements of regional infrastructure, including the Union Pacific Railroad; San Juan Creek; Camino Capistrano; Ortega Highway; Interstate 5; and most recently Del Obispo Street. Typical village-scaled downtowns are significantly larger in size, providing a critical mass to draw visitors, and have fewer empty lots than San Juan Capistrano. For example, Laguna Beach’s core is approximately 45 acres, San Clemente is 48 acres, Ventura is 100 acres, and La Jolla is 130 acres. Therefore, revitalizing the existing core while also expanding it is key to its long term success.

Repositioning
Del Obispo Downtown Expansion

To enable a successful downtown district to grow and thrive over time, the area just to the east and south of the Historic Town Center – between Del Obispo Street and Interstate 5 – is included in this Plan as a key area of potential future expansion. As noted in the introductory Economic Development section of the Land Use Element of the General Plan, the community in general – and the downtown area in particular – is oversupplied with under-performing strip-type commercial

development. Accordingly, Land Use Goal 6 aims to “Enhance or redevelop under-performing commercial centers”, followed by Policy 6.1, “Allow for the transition of the oversupply of commercial land use to economically viable revenue producing land uses.”

Thus the intent of this Plan for this area is to enable its incorporation into the growing success of the Downtown District whenever a significant reconstruction of these properties is feasible and desirable.

Connectivity
Town Center Neighborhoods

One of the strongest and most consistent themes of the public input received during the preparation of this plan was to better connect the Downtown with the rest of the city. Therefore the neighborhoods to the north and west of the Historic Town Center are also included in this plan. No significant land use changes are envisioned in these neighborhoods, but selected improvements to the circulation system and public realm are recommended to enhance the connectivity between these neighborhoods – and the City as a whole – to the Town Center District.

Unified Downtown Planning Area

A key concept of this Plan is to integrate these three planning sub-areas into a thriving town center with a range of environments – encompassing busy commercial streets of the downtown core, welcoming civic parks and plazas, quieter new residential addresses tucked within the downtown, and the peaceful tree-line neighborhood streets to the north and west; all connected by a walkable, green, safe, varied and interesting network of public space.

Exhibit 3 - Historic Town Center Aerial Photo

I.3 Project Area

Capistrano Substation Site is approximately 0.43 mile north of 1,500 foot radius

Capistrano Substation site is approximately 0.51 mile north of proposed Historic Town Center Planning area.

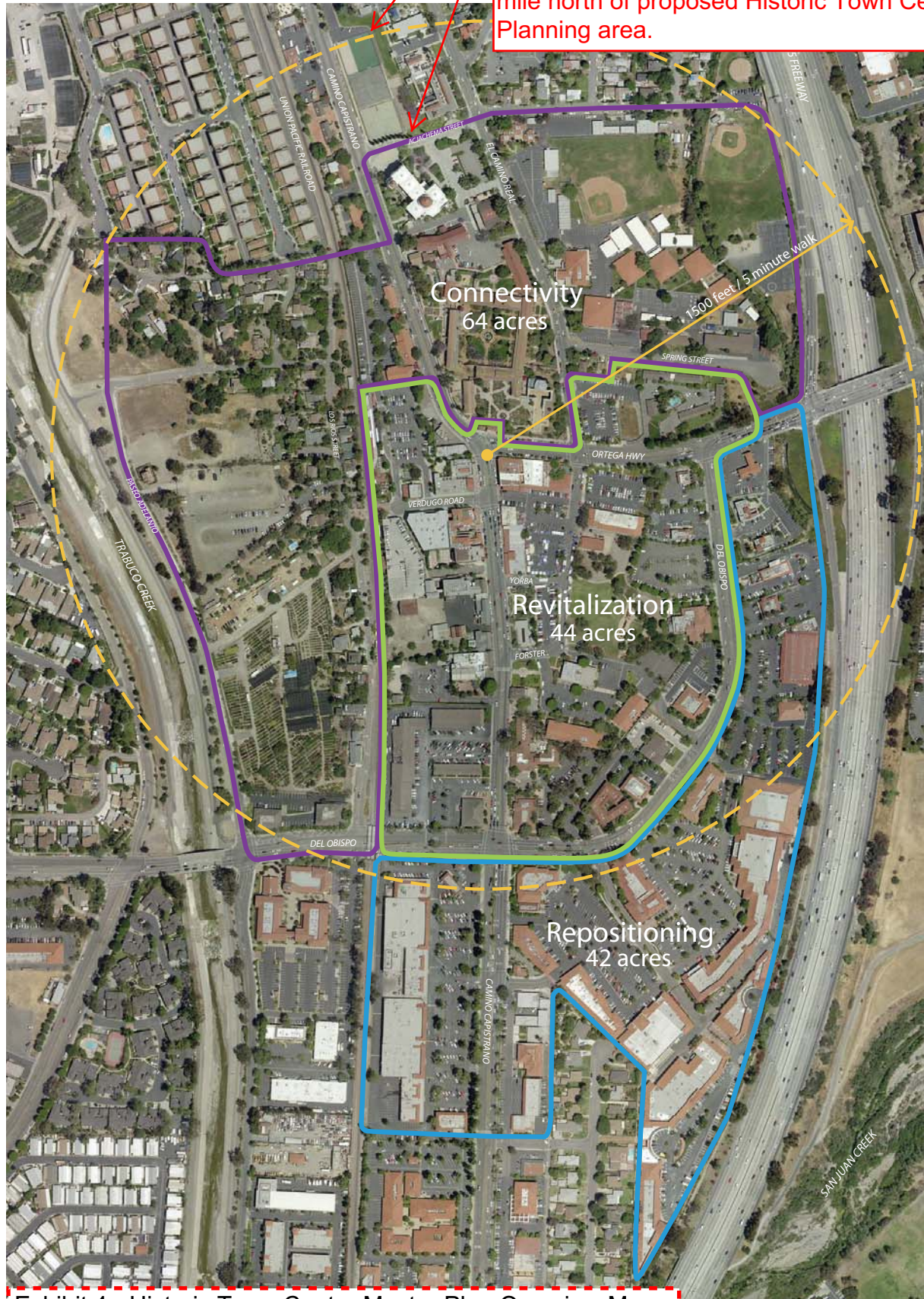
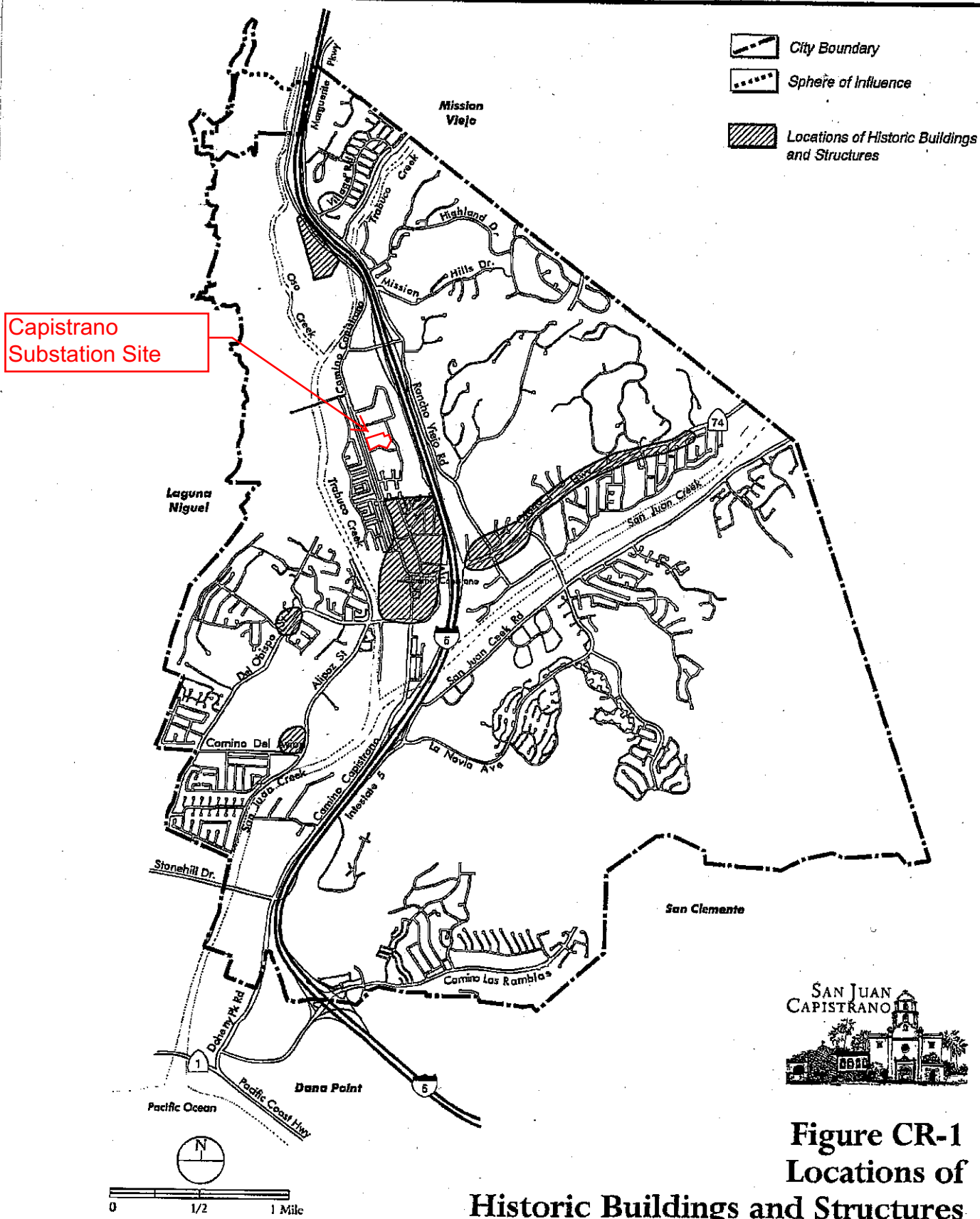


Exhibit 4 - Historic Town Center Master Plan Overview Map

DRAFT



**Figure CR-1
Locations of
Historic Buildings and Structures**

Herron, Christy

From: Hotz, Jaime <jaime_hotz@fws.gov>
Sent: Friday, February 22, 2013 11:28 AM
To: Herron, Christy
Cc: Patrick Gower; stephanie.ponce@wildlife.ca.gov
Subject: Comments on the Notice of Preparation for a Draft Environmental Impact Report for the South Orange County Reliability Enhancement Project (SOCRE; SCH#2013011011)
Attachments: 13B0124- 13TA0178_OR_SOCRE DEIR Comment Letter_s20130222_kag.pdf

Jaime Marie Hotz

Executive Secretary
Carlsbad Fish and Wildlife Office
6010 Hidden Valley Road, Ste. 101
Carlsbad, CA 92011
760-431-9440 x250
760-431-9618 (fax)

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United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ecological Services
Carlsbad Fish and Wildlife Office
6010 Hidden Valley Road, Suite 101
Carlsbad, California 92011



In Reply Refer To:
FWS OR-13B0124-13TA0178

FEB 22 2013

Mr. Andrew Barnsdale
c/o California Public Utilities Commission
Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, California 94111

Subject: Comments on the Notice of Preparation for a Draft Environmental Impact Report for the South Orange County Reliability Enhancement Project (SOCRE; SCH#2013011011).

Dear Mr. Barnsdale:

The U.S Fish and Wildlife Service (Service) has reviewed the above-referenced Notice of Preparation (NOP) of the Draft Environmental Impact Report (DEIR) dated January 9, 2013. The Service has identified potential effects of this project on wildlife and sensitive habitats. The comments and recommendations provided herein are based on the information provided in the NOP, the *Biological Resources Assessment San Diego Gas & Electric Company South Orange County Reliability Enhancement Project* (dated May 2012), our knowledge of sensitive and declining vegetation communities in the region, and our participation in San Diego Gas and Electric's (SDG&E) Subregional Natural Community Conservation Plan.

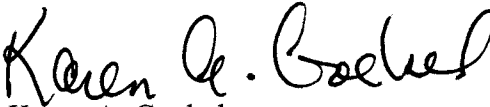
The primary concern and mandate of the Service is the protection of public fish and wildlife resources and their habitats. The Service has legal responsibility for the welfare of migratory birds, anadromous fish, and endangered animals and plants occurring in the United States. The Service is also responsible for administering the Federal Endangered Species Act of 1973 (Act), as amended (16 U.S.C. 1531 *et seq.*), including habitat conservation plans developed under section 10(a)(1) of the Act.

The purpose of the proposed SOCRE project is to increase the reliability and operational flexibility of the SDG&E South Orange County 138-kilovolt (kV) system to reduce the risk of electrical outages. The project includes upgrading SDG&E's Capistrano and Talega substations, rerouting an existing 18-kV line to the Talega substation, installing 2 new 230-kV lines and 2 additional 138-kV lines to the San Juan Capistrano substation, removing approximately 140 transmission and distribution line structures, installing approximately 120 transmission and distribution line structures, and acquiring 0.30 mile of new right-of-way. Construction of the SOCRE project is anticipated to begin in November 2013 and would continue for approximately 4 years.

The project proposes to permanently impact 1.57 acres and temporarily impact 1.3 acres of coastal sage scrub, 2.38 acres and 8.69 acres of ruderal, 2.83 acres and 5.30 acres of disturbed, 2.34 acres and 1.16 acres of ornamental, and 11.28 acres and 6.25 acres of developed lands, respectively. Species found on site include the federally endangered southwestern willow flycatcher (*Empidonax traillii extimus*) and least Bell's vireo (*Vireo bellii pusillus*) and the federally threatened coastal California gnatcatcher (*Polioptila californica californica*).

We offer our comments and recommendations in the enclosure to assist the California Public Utilities Commission in avoiding, minimizing, and adequately mitigating project-related impacts to biological resources and to ensure that the project is consistent with ongoing regional habitat conservation planning efforts. If you have questions or comments regarding this letter, please contact Patrick Gower at 760-431-9440.

Sincerely,



Karen A. Goebel
Assistant Field Supervisor

Enclosure

cc:

Stephanie Ponce, California Department of Fish and Wildlife

**U.S. Fish and Wildlife Service Comments and Recommendations on the
Notice of Preparation of a Draft Environmental Impact Report
For the South Orange County Reliability Enhancement Project**

General Comments

To enable us to adequately review and comment on the proposed project from the standpoint of the protection of plants, fish, and wildlife, we recommend the following information be included in the Draft Environmental Impact Report (DEIR):

1. A complete discussion of the purpose and need for, and description of, the proposed project, including all staging areas and access routes to the construction and staging areas.
2. A complete list and assessment of the flora and fauna within and adjacent to the project area, with particular emphasis upon identifying State or federally listed rare, threatened, endangered, or proposed candidate species, California Species-of-Special Concern and/or State Protected or Fully Protected species, and any locally unique species and sensitive habitats. Specifically, the DEIR should include:
 - a. A thorough assessment of Rare Natural Communities on site and within the area of impact. We recommend following the California Department of Fish and Wildlife's Guidelines for Assessing Impacts to Rare Plants and Rare Natural Communities.
 - b. A current inventory of the biological resources associated with each habitat type on site and within the area of impact.
 - c. An inventory of rare, threatened, and endangered species on site and within the area of impact.
 - d. Discussions regarding seasonal variations in use by sensitive species of the project site as well as the area of impact on those species, using acceptable species-specific survey procedures as determined through consultation with the Wildlife Agencies. Focused species-specific surveys, conducted in conformance with established protocols at the appropriate time of year and time of day when the sensitive species are active or otherwise identifiable, are required.
3. A thorough discussion of direct, indirect, and cumulative impacts expected to adversely affect biological resources. All facets of the project should be included in this assessment. Specifically, the DEIR should provide:
 - a. Specific acreage and descriptions of the types of wetlands, coastal sage scrub, and other sensitive habitats that will or may be affected by the proposed project or project alternatives. Maps and tables should be used to summarize such information.

- b. Discussions regarding the regional setting, pursuant to the CEQA Guidelines, Section 15125(a), with special emphasis on resources that are rare or unique to the region that would be affected by the project. This discussion is critical to an assessment of environmental impacts.
 - c. Detailed discussions, including both qualitative and quantitative analyses, of the potentially affected listed and sensitive species (fish, wildlife, plants), and their habitats on the proposed project site, area of impact, and alternative sites, including information pertaining to their local status and distribution. The anticipated or real impacts of the project on these species and habitats should be fully addressed.
 - d. Discussions regarding indirect project impacts on biological resources, including resources in nearby public lands, open space, adjacent natural habitats, riparian ecosystems, and any designated and/or proposed NCCP reserve lands. Impacts on, and maintenance of, wildlife corridor/movement areas, including access to undisturbed habitats in adjacent areas, should be fully evaluated and provided. A discussion of potential adverse impacts from lighting, noise, human activity, exotic species, and drainage. The latter subject should address: project-related changes on drainage patterns on and downstream of the project site; the volume, velocity, and frequency of existing and post-project surface flows; polluted runoff; soil erosion and/or sedimentation in streams and water bodies; and post-project fate of runoff from the project site.
 - e. Discussions regarding possible conflicts resulting from wildlife-human interactions at the interface between the development project and natural habitats. The zoning of areas for development projects or other uses that are nearby or adjacent to natural areas may inadvertently contribute to wildlife-human interactions.
 - f. An analysis of cumulative effects, as described under CEQA Guidelines, Section 15130. General and specific plans, and past, present, and anticipated future projects, should be analyzed concerning their impacts on similar plant communities and wildlife habitats.
 - g. An analysis of the effect that the project may have on implementation of regional and/or subregional conservation programs. We recommend that the Lead Agency ensure that the development of this and other proposed projects do not interfere with the goals and objectives of established or planned long-term preserves and that projects conform with other requirements of the NCCP program.
4. Mitigation measures for unavoidable adverse project-related impacts on sensitive plants, animals, and habitats. Mitigation measures should emphasize avoidance, and where avoidance is infeasible, reduction of project impacts. For unavoidable impacts, off-site mitigation through acquisition and preservation in perpetuity of the affected habitats should be addressed. We generally do not support the use of relocation, salvage, and/or

transplantation as mitigation for impacts on rare, threatened, or endangered species. Studies have shown that these efforts are experimental in nature and largely unsuccessful.

Specific Comments

1. The DEIR should include a map that shows vegetation types, sensitive species locations, potential project impacts, and project footprint.
2. Ruderal is not an identified habitat type in San Diego Gas and Electric's (SDG&E) Subregional Natural Community Conservation Plan (NCCP). We recommend that areas mapped as ruderal be reevaluated and classified as a recognized habitat type found in the SDG&E NCCP.

Herron, Christy

From: Sam Couch <scouch@ranchomv.com>
Sent: Friday, February 22, 2013 4:33 PM
To: Herron, Christy
Subject: Notice of Preparation for South Orange County Reliability Enhancement (SOCRE) Project Environmental Impact Report
Attachments: NOP Resp SOCRE Project 2.22.13 Ltr.pdf

Please find the subject project comments from **Rancho Mission Viejo** attached, the original letter and attachment are being mailed.

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RANCHO MISSION VIEJO

February 22, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
Re: SOCRE Project
c/o Ecology and Environmental, Inc.
505 Sansome Street, Suite #300
San Francisco, CA 94111

Reference: Notice of Preparation for South Orange County Reliability Enhancement
(SOCRE) Project Environmental Impact Report

Subject: Rancho Mission Viejo Comments

Dear Mr. Barnsdale:

Thank you for providing Rancho Mission Viejo with the opportunity to review and comment on the referenced Notice of Preparation (NOP). Rancho Mission Viejo has reviewed the NOP and offers the following comments for your consideration.

Rancho Mission Viejo is the landowner and developer of approximately 23,000 acres in vicinity of the proposed SOCRE Project. The location of the Rancho Mission Viejo holdings and development is depicted on the attached exhibit.

It appears from Figure 1 of the NOP that the proposed SOCRE Project may run adjacent and affect certain agricultural uses such as cattle operations (fencing relocations, etc.) and an existing lease green-waste recycling operation located along La Pata Avenue within Rancho Mission Viejo. We request the draft EIR analyze these two areas of concern.

Again, thank you for the opportunity to provide these comments. Should you have any questions about Rancho Mission Viejo or these comments, please feel free to contact me at (949) 240-3363 Ext 286.



Sincerely,

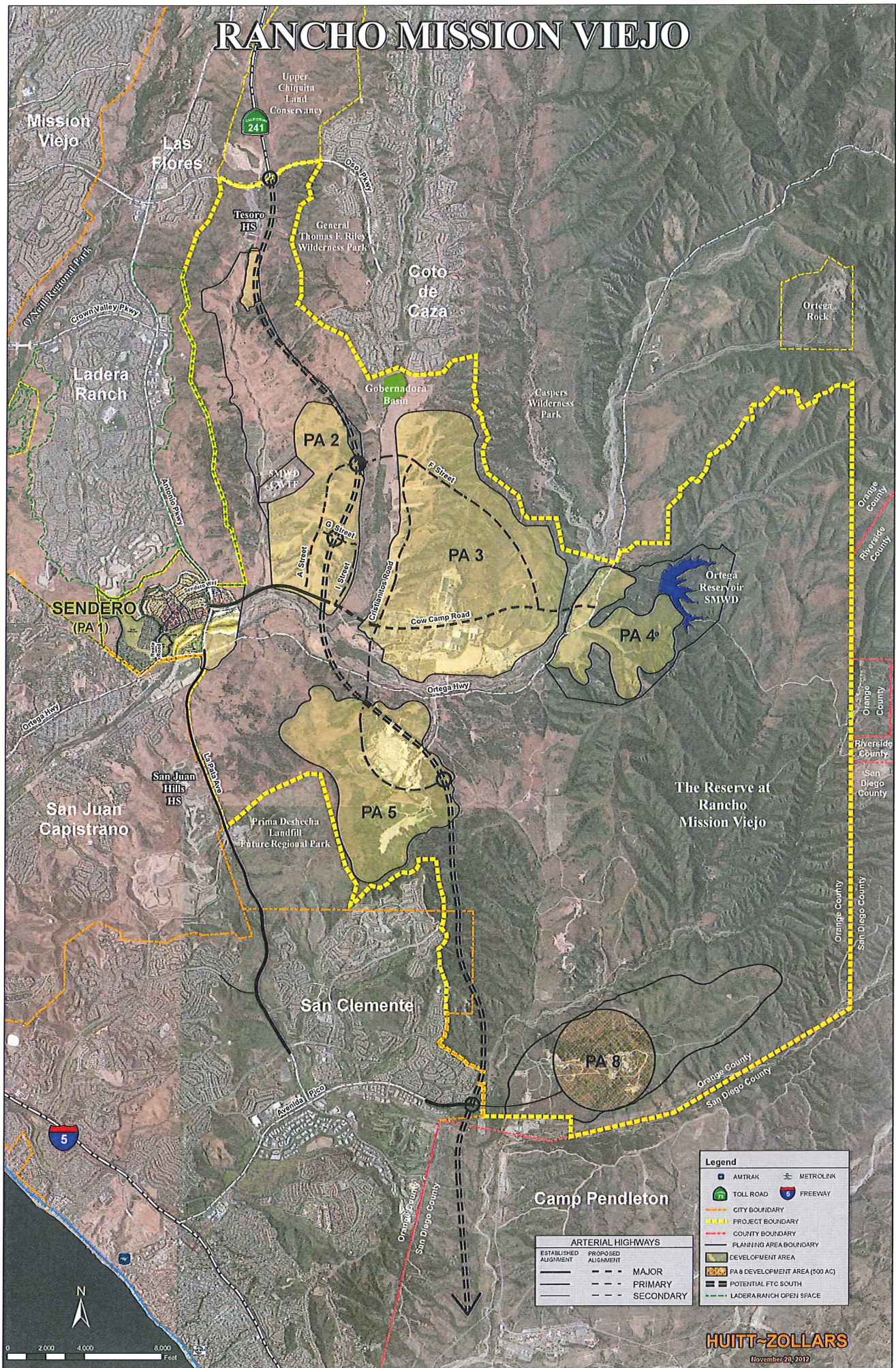
A handwritten signature in blue ink that reads "Sam Couch". The signature is fluid and cursive, with the first name "Sam" and last name "Couch" clearly distinguishable.

Sam Couch
Vice President, Planning & Entitlement
Rancho Mission Viejo

Attachment

Cc: Richard Broming, RMV

RANCHO MISSION VIEJO



ARTERIAL HIGHWAYS	
	ESTABLISHED ALIGNMENT
	PROPOSED ALIGNMENT
	MAJOR
	PRIMARY
	SECONDARY

Legend	
	AMTRAK
	METROLINK
	TOLL ROAD
	FREEWAY
	CITY BOUNDARY
	PROJECT BOUNDARY
	COUNTY BOUNDARY
	PLANNING AREA BOUNDARY
	DEVELOPMENT AREA
	PA 8 DEVELOPMENT AREA (500 AC)
	POTENTIAL FTC SOUTH
	LADERA RANCH OPEN SPACE

Herron, Christy

From: Dolores Duarte <Dolores.Duarte@wildlife.ca.gov>
Sent: Friday, February 22, 2013 7:54 AM
To: Herron, Christy
Cc: State Clearinghouse State Clearinghouse; David Mayer; Jennifer Edwards; Marilyn Fluharty
Subject: Copy of Comment Letter Re:So Orange Co Reliability Enhancement Project/SCH 2013011011
Attachments: pdf So Orange Co Reliability Enhancement.pdf

Mr. Barnsdale,
Please see attached copy for your records. Original letter will follow.

If you have any questions, please contact Jennifer Edwards at (858) 467 2717. Thank you!

*Dolores Duarte
Regional Manager's Secretary
(858) 467-2702
(858) 467-4239 - Fax #
Dept. of Fish and Wildlife
South Coast Region -Region 5
3883 Ruffin Road
San Diego, CA 92123
Work hours: 7:30am-4:30pm*

Please note that as of Jan 1, 2013 our new name is the California Department of Fish and Wildlife (CDFW). My new e-mail address is Dolores.Duarte@wildlife.ca.gov

~`><(((*)> ..;`...`><(((*)>`..;`
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State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
South Coast Region
3883 Ruffin Road
San Diego, CA 92123
(858) 467-4201
www.wildlife.ca.gov

EDMUND G. BROWN JR., Governor
CHARLTON H. BONHAM, Director



February 21, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102-3298

Subject: Comments on the Notice of Preparation of a Draft Environmental Impact Report for the South Orange County Reliability Enhancement Project, Orange County, CA (SCH#2013011011)

Dear Mr. Barnsdale:

The California Department of Fish and Wildlife (Department) has reviewed the above-referenced Notice of Preparation (NOP) for the South Orange County Reliability Enhancement Project Draft Environmental Impact Report (DEIR). Department staff have also reviewed sections of the Project Description and Biological Resources Report of the project proponent's (San Diego Gas and Electric; SDG&E) Environmental Assessment for the Application to the California Public Utilities Commission (CPUC) for the Certification of the proposed Southern Orange County Reliability Enhancement Project (SOCRE).

The following statements and comments have been prepared pursuant to the Department's authority as Trustee Agency with jurisdiction over natural resources affected by the project (California Environmental Quality Act, [CEQA] Guidelines §15386) and pursuant to our authority as a Responsible Agency under CEQA Guidelines section 15381 over those aspects of the proposed project that come under the purview of the California Endangered Species Act (Fish and Game Code §2050 et seq.) and Fish and Game Code section 1600 et seq. The Department also administers the Natural Community Conservation Planning (NCCP) program. The proponent of the SOCRE Project participates in the NCCP program by implementing its approved Subregional SDG&E NCCP.

The purpose of the proposed SOCRE project is to increase the reliability and operational flexibility of the SDG&E South Orange County 138-kilovolt (kV) system to reduce the risk of electrical outages. The project would also upgrade aging electrical infrastructure in the South Orange County area, including SDG&E's Capistrano substation in the City of San Juan Capistrano.

The existing 230-kV transmission network at SDG&E's Talega Substation, located on Marine Corps Base Camp Pendleton, provides power for the South Orange County service area. Power supplied by the Talega Substation is transmitted to seven distribution substations (Capistrano, Laguna Niguel, Margarita, Pico, San Mateo, Rancho Mission Viejo, and Trabuco) over a 138-kV transmission network. The SOCRE project would improve reliability by providing a second 230-kV power source to SDG&E's South Orange County service area and modernizing aging infrastructure, including rebuilding the Capistrano Substation, which was constructed in the 1960's, and upgrading components of the Talega Substation. Once upgraded, Capistrano Substation would be known as the San Juan Capistrano Substation. The new substation would accommodate two new 230-kV lines and two additional 138-kV lines that

would be rerouted to the upgraded substation. An existing 18-kV line would be routed to Talega substation. Approximately 140 transmission and distribution line structures would be removed and approximately 120 would be installed. Approximately 0.30 mile of new right-of-way (ROW) would be acquired by SDG&E for the proposed transmission lines. Construction of the SOCRE project is anticipated to begin in November 2013 and would last approximately 4 years.

Affected habitats include coastal sage scrub (121.6 acres), disturbed coastal sage scrub (61.19 acres), coastal freshwater marsh (0.20 acre), southern willow scrub (9.18 acres), disturbed southern willow scrub (0.78 acre), riparian scrub (2.65 acres), ruderal (139.55 acres), and disturbed (28.89 acres). Other land types that the project impacts include dirt roads (20.42 acres), ornamental landscaping (63.34 acres), and developed lands (121.13 acres). Mitigation measures and Best Management Practices (BMPs) to minimize impacts to these habitats were not discussed in detail.

The Department offers the following comments and recommendations to assist the CPUC in avoiding or minimizing potential project impacts on biological resources.

Specific Comments

1. Native habitat (including non-native grassland) and open space are located adjacent to the proposed project areas. The DEIR should provide a complete assessment of the flora and fauna within and adjacent to the project area, with particular emphasis upon identifying endangered, threatened, sensitive, and locally unique species and sensitive habitats. The following information should be included:
 - a. Per CEQA Guidelines, section 15125(c), information on the regional setting that is critical to an assessment of environmental impacts, with special emphasis placed on resources that are rare or unique to the region.
 - b. A thorough assessment of rare plants and rare natural communities, following the Department's Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities (see <http://www.dfg.ca.gov/habcon/plant/>). A hard copy is available upon request.
 - c. A current inventory of the biological resources associated with each habitat type on-site and within the area of potential effect. The Department's California Natural Diversity Data Base (CNDDDB) in Sacramento should be contacted at www.dfg.ca.gov/biogeodata/ to obtain current information on any previously reported sensitive species and habitat, including Significant Natural Areas identified under Chapter 12 of the Fish and Game Code.
 - d. An inventory of rare, threatened, and endangered, and other sensitive species on-site and within the area of potential effect. Species to be addressed should include all those which meet the CEQA definition (see CEQA Guidelines, §15380). This should include sensitive fish, avian, reptile, and amphibian species. Seasonal variations in use of the project area should also be addressed. Focused species-specific surveys, conducted at the appropriate time of year and time of day when the sensitive species are active or otherwise identifiable, are required. Acceptable species-specific survey procedures should be developed in consultation with the Department and the U.S. Fish and Wildlife Service.
 - e. Habitat assessment and seasonally-appropriate surveys for the following species are recommended based on suitable habitat and known occurrences in the area: least Bell's

vireo (*Vireo bellii pusillus*), coastal California gnatcatcher (*Polioptila californica californica*), southwestern willow flycatcher (*Empidonax traillii extimus*), burrowing owl (*Athene cunicularia*), arroyo toad (*Anaxyrus [Bufo] californicus*), western spadefoot toad (*Spea hammondi*), and thread-leaved brodiaea (*Brodiaea filifolia*).

2. In addition to assessment of impacts to individual species, the Project Description for the project states that, "approximately 0.3 mile of new right-of-way would be acquired by SDG&E for the proposed transmission lines," (page 2). The habitat type and quality of this area should be evaluated and mitigated for at an appropriate ratio as outlined in SDG&E's NCCP.
3. The DEIR should clearly delineate the areas of the project footprint covered by SDG&E's NCCP.
4. The DEIR should specify the acres of temporary impacts versus permanent impacts, and indicate the duration of the temporary impacts.
5. According to information obtained at SDG&E's website (<http://www.sdge.com/regulatory-filing/3404/sdge-south-orange-county-reliability-enhancement-socre-project>), directional drilling will be utilized to allow power lines to cross under existing railroad tracks. Proximity to various waterways increases our concerns about directional drilling. While the directional drilling method generally creates fewer impacts than traditional trenching, the use of a clay lubricant, specifically bentonite slurry, can have permanent and lasting impacts on aquatic species and their habitats when hydrofractures (commonly referred to as "frac-outs") occur. Bentonite is often considered non-toxic; however, benthic invertebrates, aquatic plants, fish, and their eggs can be smothered by fine particles of bentonite if it is discharged into waterways. Accordingly, the Department recommends a mitigation measure that focuses on the minimization of direct, indirect, and cumulative impacts that may occur from hydrofractures associated with directional drilling. This mitigation measure should include the following:
 - a. Techniques to reduce potential for hydrofracture and inadvertent returns:
 1. Sufficient earth cover should be used to increase resistance to hydrofracture.
 2. An adequately dense drilling fluid should be used to avoid travel of drilling fluid in porous sands.
 3. The bore should be conducted in a manner that avoids collapse.
 4. Borehole pressure should be maintained low enough to avoid hydrofracture.
 5. Reaming and pullback rates should be maintained at rates slow enough to avoid over-pressurization of the bore.
 6. The surface above the vicinity of the drill head should be visually monitored for surface evidence of hydrofracture.
 7. Drilling methods should be modified to suit site conditions such that hydrofracture does not occur.
 - b. Hydrofractures shall be cleaned immediately after they occur. Necessary response equipment shall be readily accessible and in good working order.
 - c. All field personnel shall understand their responsibility for timely reporting of hydrofractures.

6. All construction, including staging areas and pull sites, and post-construction BMPs, should be located within the development footprint (i.e., included in the impacts analysis as loss of habitat). The DEIR should include a figure depicting the location of BMPs in relation to the development footprint, as well as a description of anticipated long-term maintenance required for BMPs.
7. Ruderal is not a category in the SDG&E NCCP and it should not be used as a vegetation/habitat category in the biological analysis. Where exotic species may form the only ground cover, the habitat should probably be referred to as non-native grassland; however, some areas may be more appropriately categorized as agriculture, depending on the site history.
8. We caution against delineating between coastal sage scrub and "disturbed coastal sage scrub". This distinction is often made from a botanical perspective where plant diversity is particularly low, yet areas which seem botanically of low value may have high value to sensitive species such as California gnatcatchers.

General Comments

1. A complete discussion of the purpose and need for, and description of, the proposed project, including all staging areas and access routes to the construction and staging areas.
2. The Department has responsibility for wetland and riparian habitats and strongly discourage development in wetlands or conversion of wetlands to uplands. We oppose any development or conversion which would result in a reduction of wetland acreage or wetland habitat values, unless, at a minimum, project mitigation assures there will be "no net loss" of either wetland habitat values or acreage. Development and conversion include but are not limited to conversion to subsurface drains, placement of fill or building of structures within the wetland, and channelization or removal of materials from the streambed. All wetlands and watercourses, whether intermittent or perennial, should be retained and provided with substantial setbacks which preserve the riparian and aquatic values and maintain their value to on-site and off-site wildlife populations. Mitigation measures to compensate for impacts to mature riparian corridors must be included in the DEIR and must compensate for the loss of function and value of a wildlife corridor.
 - a. The project area supports aquatic, riparian, and wetland habitats; therefore, a jurisdictional delineation of the creeks and their associated riparian habitats should be included in the DEIR. The delineation should be conducted pursuant to the U. S. Fish and Wildlife Service wetland definition adopted by the Department.¹ Please note that some wetland and riparian habitats subject to the Department's authority may extend beyond the jurisdictional limits of the U.S. Army Corps of Engineers.

¹ Cowardin, Lewis M., et al. 1979. Classification of Wetlands and Deepwater Habitats of the United States. U.S. Department of the Interior, Fish and Wildlife Service.

- b. The Department also has regulatory authority over activities in streams and/or lakes that will divert or obstruct the natural flow, or change the bed, channel, or bank (which may include associated riparian resources) of a river or stream, or use material from a streambed. For any such activities, the project applicant (or "entity") must provide written notification to the Department pursuant to section 1600 et seq. of the Fish and Game Code. Based on this notification and other information, the Department determines whether a Lake and Streambed Alteration Agreement (LSA) with the applicant is required prior to conducting the proposed activities. The Department's issuance of a LSA for a project that is subject to CEQA will require CEQA compliance actions by the Department as a Responsible Agency. The Department as a Responsible Agency under CEQA may consider the local jurisdiction's (lead agency) Environmental Impact Report for the project. To minimize additional requirements by the Department pursuant to section 1600 et seq. and/or under CEQA, the document should fully identify the potential impacts to the stream or riparian resources and provide adequate avoidance, mitigation, monitoring and reporting commitments for issuance of the LSA.²
3. The approved SDG&E NCCP/HCP is expected to provide coverage for state and federal listed species with the potential for occurrence in the project footprint or immediately adjacent lands. However, for any state listed species not covered by the NCCP, the Department would consider adverse impacts, for the purposes of CEQA, to be significant without mitigation. Take of any endangered, threatened, or candidate species that results from the project is prohibited, except as authorized by state law (Fish and Game Code, §§ 2080, 2085, 2800.) Should obtaining a CESA permit be necessary, the Department recommends that the project proponent seek early consultation, as significant modification to a project and mitigation measures may be required in order to obtain a CESA Permit. Furthermore, revisions to the Fish and Game Code, effective January 1998, may require that the Department issue a separate CEQA document for the issuance of an ITP unless the project CEQA document addresses all project impacts to CESA-listed species and specifies a mitigation monitoring and reporting program that will meet the requirements of an ITP.
4. To enable the Department to adequately review and comment on the proposed project from the standpoint of the protection of plants, fish and wildlife, we recommend the following information be included in the DEIR.
 - a. A complete discussion of the purpose and need for, and description of, the proposed project, including all staging areas and access routes to the construction and staging areas.
 - b. A range of feasible alternatives to ensure that alternatives to the proposed project are fully considered and evaluated; the alternatives should avoid or otherwise minimize impacts to sensitive biological resources.

² A notification package for a LSA may be obtained by accessing the Department's web site at www.wildlife.ca.gov/habcon/1600.

Analyses of the Potential Project-Related Impacts on the Biological Resources

5. To provide a thorough discussion of direct, indirect, and cumulative impacts expected to adversely affect biological resources, with specific measures to offset such impacts, the following should be addressed in the DEIR.
 - a. A discussion of potential adverse impacts from lighting, noise, human activity, exotic species, and drainage should also be included. The latter subject should address: project-related changes on drainage patterns on and downstream of the project site; the volume, velocity, and frequency of existing and post-project surface flows; polluted runoff; soil erosion and/or sedimentation in streams and water bodies; and post-project fate of runoff from the project site. The discussions should also address the proximity of the extraction activities to the water table, whether dewatering would be necessary, and the potential resulting impacts on the habitat, if any, supported by the groundwater. Mitigation measures proposed to alleviate such impacts should be included.
 - b. Discussions regarding indirect project impacts on biological resources, including resources in nearby public lands, open space, adjacent natural habitats, riparian ecosystems, and any designated and/or proposed or existing reserve lands (e.g., preserve lands associated with a NCCP). Impacts on, and maintenance of, wildlife corridor/movement areas, including access to undisturbed habitats in adjacent areas, should be fully evaluated in the DEIR.
 - c. The zoning of areas for development projects or other uses that are nearby or adjacent to natural areas may inadvertently contribute to wildlife-human interactions. A discussion of possible conflicts and mitigation measures to reduce these conflicts should be included in the environmental document.
 - d. A cumulative effects analysis should be developed as described under CEQA Guidelines, section 15130. General and specific plans, as well as past, present, and anticipated future projects, should be analyzed relative to their impacts on similar plant communities and wildlife habitats.

Mitigation for the Project-related Biological Impacts

6. The DEIR should include measures to fully avoid and otherwise protect Rare Natural Communities (Attachment) from project-related impacts. The Department considers these communities as threatened habitats having both regional and local significance.
7. The DEIR should include mitigation measures for adverse project-related impacts to sensitive plants, animals, and habitats. Mitigation measures should emphasize avoidance and reduction of project impacts. For unavoidable impacts, on-site habitat restoration or enhancement should be discussed in detail. If on-site mitigation is not feasible or would not be biologically viable and therefore not adequately mitigate the loss of biological functions and values, off-site mitigation through habitat creation and/or acquisition and preservation in perpetuity should be addressed.
8. For proposed preservation and/or restoration, the DEIR should include measures to perpetually protect the targeted habitat values from direct and indirect negative impacts. The objective should be to offset the project-induced qualitative and quantitative losses of wildlife habitat values. Issues that should be addressed include restrictions on access, proposed land dedications, monitoring and management programs, control of illegal

dumping, water pollution, increased human intrusion, etc.

In order to avoid impacts to nesting birds, the DEIR should require that clearing of vegetation, and when biologically warranted construction, occur outside of the peak avian breeding season which generally runs from February 1 through September 1 (as early as January for some raptors). If project construction is necessary during the bird breeding season a qualified biologist with experience in conducting bird breeding surveys should conduct weekly bird surveys for nesting birds, within three days prior to the work in the area, and ensure no nesting birds in the project area would be impacted by the project. If an active nest is identified, a buffer shall be established between the construction activities and the nest so that nesting activities are not interrupted. The buffer shall be a minimum width of 300 feet (500 feet for raptors), shall be delineated by temporary fencing, and shall remain in effect as long as construction is occurring or until the nest is no longer active. No project construction shall occur within the fenced nest zone until the young have fledged, are no longer being fed by the parents, have left the nest, and will no longer be impacted by the project. Reductions in the nest buffer distance may be appropriate depending on the avian species involved, ambient levels of human activity, screening vegetation, or possibly other factors.

9. In the special case of burrowing owls occurring within or adjacent to the project footprint, the Department recommends early consultation to develop a plan to ensure burrowing owls can either be accommodated or relocated (with appropriate mitigation) out of the impact area without adversely affecting owls during the breeding season.
10. The Department generally does not support the use of relocation, salvage, and/or transplantation as mitigation for impacts to rare, threatened, or endangered species. Studies have shown that these efforts are experimental in nature and largely unsuccessful.
11. Plans for restoration and revegetation should be prepared by persons with expertise in southern California ecosystems and native plant revegetation techniques. Each plan should include, at a minimum: (a) the location of the mitigation site; (b) the plant species to be used, container sizes, and seeding rates; (c) a schematic depicting the mitigation area; (d) planting schedule; (e) a description of the irrigation methodology; (f) measures to control exotic vegetation on site; (g) specific success criteria; (h) a detailed monitoring program; (i) contingency measures should the success criteria not be met; and (j) identification of the party responsible for meeting the success criteria and providing for conservation of the mitigation site in perpetuity.

We appreciate the opportunity to comment on the referenced NOP. Questions regarding this letter and further coordination on these issues should be directed to Jennifer Edwards (Department) at (858) 467-2717.

Sincerely,



David A. Mayer
Acting Environmental Program Manager
South Coast Region

Enclosure: Sensitivity of Top Priority Rare Natural Communities in Southern California
ec: Scott Morgan, State Clearinghouse, Sacramento

Herron, Christy

From: Laura Eisenberg <lcoleyeisenberg@ranchomv.com>
Sent: Friday, February 22, 2013 2:45 PM
To: Herron, Christy
Cc: Richard Broming; Jonathan Snyder (jonathan_d_snyder@fws.gov); Toni Peacock; Sam Couch; Jeff Brinton; Dan Ferons; Dan Kelly; Jimenez, Bea Bea (BeaBea.Jimenez@ocpw.ocgov.com); John Arnau (john.arnau@ocwr.ocgov.com); Lissa Freese; Mike Evans
Subject: The Reserve at Rancho Mission Viejo Comments on SOCRE NOP
Attachments: The Reserve at Rancho Mission Viejo Comments on SOCRE NOP 2-22-13.pdf

To Whom It May Concern, please find attached The Reserve at Rancho Mission Viejo's comments on the SOCRE Project NOP. Thank you.

Laura Coley Eisenberg
Vice President, Open Space & Resource Management
Rancho Mission Viejo
(949) 240-3363 Ext 297

Message scanned by the Symantec Email Security service. If you suspect that this email is actually spam, please FORWARD it to spamsamples@messagelabs.com

THE RESERVE
AT
RANCHO MISSION VIEJO



February 22, 2013

Mr. Andrew Barnsdale
California Public Utilities Commission
Re: SOCRE Project
c/o Ecology and Environmental, Inc.
505 Sansome Street, Suite #300
San Francisco, CA 92411

Reference: Notice of Preparation for South Orange County Reliability Enhancement
(SOCRE) Project Environmental Impact Report

Subject: The Reserve at Rancho Mission Viejo Comments

Dear Mr. Barnsdale:

Thank you for providing The Reserve at Rancho Mission Viejo (“The Reserve”) with the opportunity to review and comment on the referenced Notice of Preparation (NOP). The Reserve has reviewed the NOP and offers the following comments for your consideration.

The Reserve at Rancho Mission Viejo is the holder of conservation easements over certain Rancho Mission Viejo (RMV) lands in the vicinity of the proposed SOCRE Project. The location of these easements is depicted on the attached exhibit. These easements were recorded as a result of Rancho Mission Viejo’s implementation of the Southern Subregion Habitat Conservation Plan (SSHCP). The SSHCP is a multi-species habitat conservation plan approved by the U.S. Fish and Wildlife Service (USFWS) in 2007. The plan provides for the protection of 32 Covered Species (seven of which are listed), ten Conserved Vegetation Communities in a habitat reserve of 32,818 acres of which 20,868 belong to RMV. The easement and irrevocable covenant lands shown on the attached figure are the initial RMV dedicated lands.

It appears from Figure 1 of the NOP that the proposed SOCRE Project may affect our recorded conservation easement lands in the vicinity of La Pata Avenue therefore we request that the draft EIR analyze the following:

1. The proposed Project’s effects on the 32 Covered Species set forth in the SSHCP.
2. The proposed Project’s effects on the function and value of the Southern Subregion Habitat Reserve.

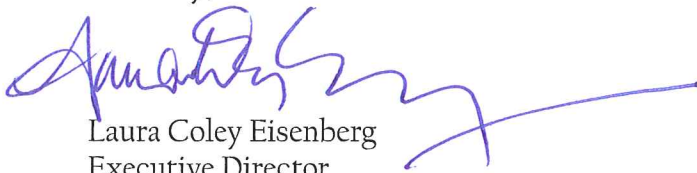
3. The consistency of the proposed Project with the terms of the recorded conservation easement.

If the EIR finds that the proposed Project will result in impacts to the Southern Subregion Habitat Reserve and any Covered Species or Conserved Vegetation Community, we further request the following:

1. The California Public Utilities Commission (CPUC) and/or SDG&E, as applicable, comply with all applicable minimization measures set forth in Appendix U to the SSHCP.
2. The CPUC and/or SDG&E, as applicable, coordinate any and all activities involving the conservation easement lands with this office.

Again, thank you for the opportunity to provide these comments. Should you have any questions about The Reserve or the SSHCP, please feel free to contact me at (949) 240-3363 Ext 297.

Sincerely,

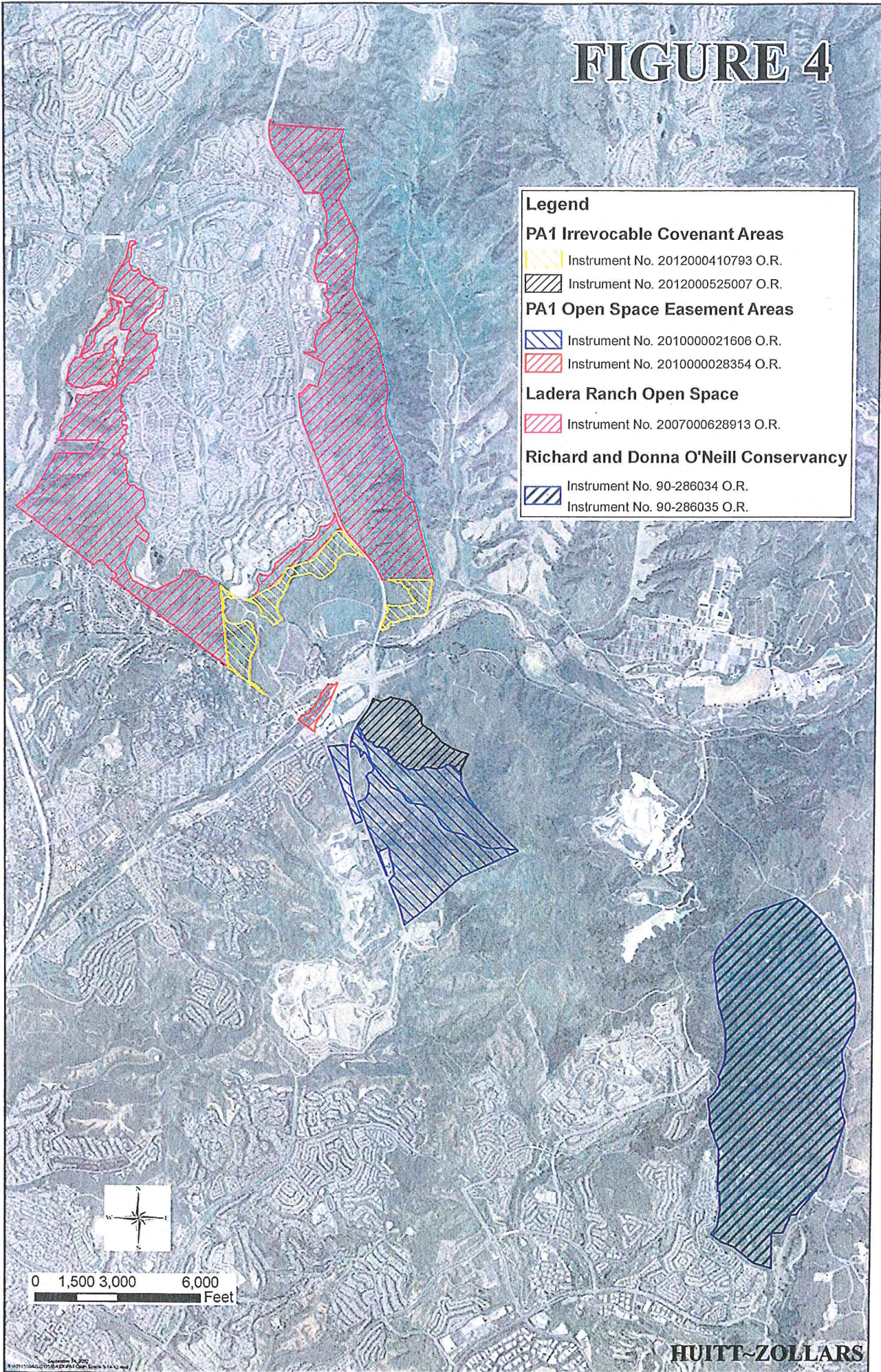


Laura Coley Eisenberg
Executive Director

Attachment

Cc: Board of Directors
Richard Broming, RMV
Jonathan Snyder, USFWS

FIGURE 4



Legend

PA1 Irrevocable Covenant Areas

- Instrument No. 2012000410793 O.R.
- Instrument No. 2012000525007 O.R.

PA1 Open Space Easement Areas

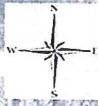
- Instrument No. 2010000021606 O.R.
- Instrument No. 2010000028354 O.R.

Ladera Ranch Open Space

- Instrument No. 2007000628913 O.R.

Richard and Donna O'Neill Conservancy

- Instrument No. 90-286034 O.R.
- Instrument No. 90-286035 O.R.



0 1,500 3,000 6,000
Feet



ecology and environment, inc.

Global Environmental Specialists

505 Sansome Street, Suite 300
San Francisco, California 94111
Tel: (415) 398-5326, Fax (415) 398-5326

18 de Enero, 2013
Senora Medrano
31096 Calle Santa Rosalia
San Juan Capistrano, CA 92675

Estimada Sra. Medrano,

Gracias por su interés en el proyecto Mejora de Confiabilidad al Sur del Condado de Orange. Adjunto podrá encontrar dos hojas informativas del proyecto, y la Notificación de Preparación del Informe De Impacto Ambiental del proyecto.

Si tiene preguntas específicas sobre el proyecto, la CPUC invita cordialmente a los interesados a participar en las siguientes reuniones públicas de determinación del alcance para el proyecto SOCRE, con la finalidad de aprender más sobre el proyecto, hacer preguntas y ofrecer comentarios:

Miércoles 23 de enero, 2013

San Juan Capistrano Community Hall
25925 Camino Del Aviión
San Juan Capistrano, CA 92675

Jueves 24 de enero, 2013

Bella Collina Towne and Golf Club
200 Avenida La Pata
San Clemente, CA 92673

Recepción General: 6:30 p.m. a 7:00 p.m.
Presentación y Sesión de Comentarios del Público: 7:00 p.m.

Yo estaré disponible durante las reuniones para responderle sus preguntas.

Los comentarios al alcance también se pueden enviar a la CPUC por escrito por medio de correo postal, fax, o correo electrónico durante el período de recepción de comentarios.

Gracias de nuevo por su interés en el Proyecto.

Atentamente,

Christy Herron por parte de Andrea Castillo

Ecology and Environment, Inc.

October 27, 2014

Attn: SOCREE Project CA Public Utilities Commission

C/O Ecology and Environment, Inc.

505 Sansome St Suite #300

San Francisco, CA 94111

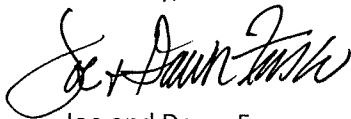
To Whom This May Concern;

We understand that SDGE has applied to the California Public Utilities Commission to build a 3 story building and increase power at their facility directly across Calle Bonita which is across from our home in San Juan Capistrano.

We are requesting the CPUC to move this entire project to a less populated location.

We believe that this project if implemented will have an effect on our property values and possibly our health. We know that this would not be an issue if it was located in Newport Beach.

Sincerely,

A handwritten signature in black ink, appearing to read "Joe + Dawn Fusco". The signature is stylized and cursive.

Joe and Dawn Fusco

31092 Via Santo Tomas

San Juan Capistrano, CA 92675

949-489-5503

The Crows
31132 Via Santo Tomas
San Juan Capistrano, CA 92675

SANTA ANA CA 9265

27 OCT 2014 PM 6 L



Attn: SOCRE Project CA
Public Utilities Comm.

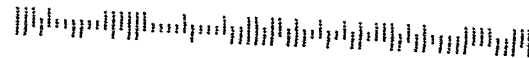
RECEIVED OCT 29 2014

c/o Ecology + Environment, Inc.

505 Sansome St. suite 300

San Francisco, CA 94111

94111310699



To whom it may concern,

My wife, Cassie and I just moved in to a beautiful house in the Las Brisas development in San Juan Capistrano. One of the main reasons was the "historic" feel that San Juan maintains, which include the Mission, farmers markets and specifically in the residential areas the lack of industry/commerce. We wanted to feel a community with a neighbors and have only other beautiful families and houses around us. We've heard SDG+E will be creating a facility smack dab in the middle of multiple neighborhoods, which was exactly what we didn't want near us. We urge you to please withhold from building in the Calle Bonita area, near Las Brisas. Thank you for your consideration

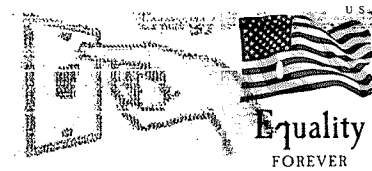
Lindon + Cassie Crow

- 31132 Via Santo Tomas
Las Brisas, SJC.

Suits
3115 Calle Santa Rosalia
SSC, CA 92675

SANTA ANA CA 926

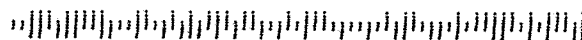
28 OCT 2014 PMS L



RECEIVED OCT 30 2014

Attn: SOCRE Project CA Public Utilities Comm.
c/o Ecology and Environment, Inc.
505 Sansome St., Suite 300
San Francisco, CA 94111

9411183155



October 23, 2014

ATTN: SOCRE Project CA Public Utilities Comm.
c/o Ecology and Environment, Inc.
505 Sansome Street, Suite 300
San Francisco, CA 94111

RE: SDG&E building

To Whom It May Concern:

We are homeowners in the Capistrano Garden Homes of San Juan Capistrano, California and reside here with our 3 young sons. We absolutely love our neighborhood, community and historic town and plan on raising our sons here for years and years to come.

It has come to our attention that a plan to build a 3-story power building directly across from our home is being proposed and we couldn't be more disappointed in this news. Our neighborhood is densely populated with families and children and in no way does a project such as this belong anywhere near this area. Not to mention the fact that we are in such a historic city; the oldest in Orange County; and home to the "Jewel of the Missions" in our beautiful San Juan Capistrano Mission.

There are many more options for this project elsewhere in outer lying areas that are less populated. When the building that stands there now was built last century there were no people, parks or schools in the area. Times have changed and we are a community.

We urge you to move the project to a less populated area. Please think, would you want this building directly across from your home? If the answer is no, which it would obviously be, then there is no other decision to make than to move the new plan elsewhere.

We thank you for your attention to this matter and appreciate your time.

Sincerely,


Greg & Tammy Suits

Crows
3132 Via Santo Tomas
SANTA ANA CA 92686
San Juan Cap CA 92675
31 OCT 2014 PMS 1



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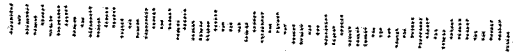
Attn: SOCRE Project CA Public
Utilities Comm.

c/o Ecology and Environment, Inc.

505 Sansome St.
Suite 300

San Francisco CA 94111

131575



10/2014

To whom it may concern;

Thank you so much for
considering having SDG+E.
build their 3-story building
in a less populated area
in the community right next
to their current facility on
La Bonita in San Juan
Capistrano. We are a tight
little community and it would
be best for us if it were
not built here.

Thank you for considering
other options. Cassie + Londen
Crow


STATIONERY

TU6071

© HALLMARK LICENSING, INC.
MADE IN CHINA

Hallmark.com



· thank you ·



O'Connor, Bonny

From: Stacey Osborne <stacey@lozeaudrury.com>
Sent: Thursday, April 25, 2013 12:38 PM
To: 'Barnsdale, Andrew'
Cc: Herron, Christy
Subject: RE: SOCRE Project Status

Thanks very much.

From: Barnsdale, Andrew [<mailto:andrew.barnsdale@cpuc.ca.gov>]
Sent: Thursday, April 25, 2013 11:43 AM
To: Stacey Osborne
Cc: cherron@ene.com
Subject: RE: SOCRE Project Status

We're working on the analysis etc.

I'm hoping we'll have a DEIR out for comment by late summer.

*Andrew Barnsdale
Infrastructure Permitting and CEQA
Energy Division
California Public Utilities Commission
415-703-3221*

From: Stacey Osborne [<mailto:stacey@lozeaudrury.com>]
Sent: Thursday, April 25, 2013 11:40 AM
To: Barnsdale, Andrew
Subject: SOCRE Project Status

Hi Andrew,

I'm updating my research on the SOCRE project. Do you have any information you can share about the status of the project's environmental review? It looks like the comment period for the NOP was extended to February 22nd. Care you share any information about when the draft EIR might be completed?

Thanks very much for your time.

Stacey Osborne
Paralegal
Lozeau | Drury LLP
410 12th Street, Suite 250
Oakland, CA 94607
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**Jason and Tara Bollback
31132 Via Santo Tomas
San Juan Capistrano, CA 92675**

July 1, 2013

Andrew Barnsdale
CPUC Re: SOCRE Project
c/o Ecology and Environment Inc.
505 Sansome St, #300
San Francisco, CA 94111

Dear Mr. Barnsdale:

We are writing this letter to you as a request to stop the proposed SDG&E project that is being considered for the future of the intersection at Camino Capistrano and Calle Bonita in San Juan Capistrano. We are a part of the Capistrano Garden Homes HOA 2 "Las Brisas" which borders the current SDG&E site. We are concerned about the health of our daughters, our neighbors and our community as we consider the effects of a larger electrical facility replacing the current electrical towers. As you know, many years ago when the facility was built this area was open land in comparison to what it now contains. We do believe that the well-being of the people of this community far outweighs the convenience of making this facility larger and more productive. For all of the reasons there are to have the enlarged facility to be located at this specific location, or at any other sites similar to this one, we believe that as difficult as it is, the facility needs to be relocated.

Second, one of our favorite parts of our community is the historic building that stands on this current site with the diversity it brings to the building-styles within our community. This is a part of history that we would like our two daughters to see and to have as a part of their upbringing. Ideally it would be even better if the building was open and available for them to experience as a fuller sense of the reality of times past.

We do know this request is inconvenient, however, we do ask for you to consider the best well-being for all of us who live in this community and consider it our home – safe and sound. Please find another and all-around safer place for this needed facility.

Thank you for considering our request, Mr. Barnsdale.

Sincerely,



Tara C Bollback

October 21, 2014

Andrew Barnsdale, CPUC
Attn: SOCRE Project, CPUC
% Ecology and Environment, Inc
505 Sansome St. Suite 300
San Francisco, Ca 94111


Mr. Barnsdale, CPUC Manager:

Concerning the SDG&E Enhancement program in San Juan Capistrano on behalf of the Las Brisas HOA which is directly across Calle Bonita from the project, I would like you to note the following:

This plant was started at the beginning of the last century when surrounded by open space. We believe it is now time to move it to another open space area. It is now surrounded by hundreds of homes with families, two parks, and two schools near our Historic Town Center and at the North entrance to our downtown.

When we last met with SDG&E they could not tell us what the health hazards of the new plant would be. It seems the perfect time to move it out of the area and away from developing children and all residential activities. Also, it would likely decrease our property values,

Please consider our concerns for our family oriented neighborhood.

Sincerely,

Kathleen Petersen,
HOA President Las Brisas aka Capo Garden HOA2.

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Appendix B

Alternatives Screening Report

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CEQA ALTERNATIVES SCREENING REPORT

SAN DIEGO GAS & ELECTRIC COMPANY'S
SOUTH ORANGE COUNTY RELIABILITY ENHANCEMENT PROJECT

APPLICATION No.: A.12-05-020
SCH No.: 2013011011

October 2014

California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
Contact: Andrew Barnsdale



Prepared by:

ECOLOGY AND ENVIRONMENT, INC.
505 Sansome Street, Suite 300
San Francisco, CA 94111

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List of Abbreviations, Acronyms, and Technical Terminology

ACSR	Aluminum Conductor Steel Reinforced
ACSS	Aluminum Conductor Steel Supported
CAISO	California Independent System Operator
Camp Pendleton	U.S. Marine Corps Base Camp Pendleton
Category B event	Contingencies that involve the loss of a single element of a bulk electric system
Category C event	Contingencies that involve the loss of two or more elements of a bulk electric system
Category D event	Extreme contingencies (catastrophic failures) that involve the loss of two or more elements of a bulk electric system
CEC	California Energy Commission
CEQA	California Environmental Quality Act
Circuit 315	Distribution line (12 kV) from Capistrano Substation to the San Juan Hills High School and Rancho San Juan residential development area
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
E & E	Ecology and Environment, Inc.
EIR	Environmental Impact Report
FERC	Federal Energy Regulatory Commission
I-5	Interstate 5
kcmil	thousand circular mils (conductor diameter)
kV	kilovolt
MW	megawatts
MVA	megavolt ampere
MVAR	megavolt ampere reactive
NERC	North American Electric Reliability Corporation
N-1 contingency	Refers to a Category B event
N-1-1 contingency	A type of Category C event that ensues when a Category B event (N-1 contingency) is followed by a system adjustment and then a subsequent failure of a bulk electric system element prior to correcting the initial N-1 contingency
N-2 contingency	A type of Category C event that involves the simultaneous or nearly simultaneous loss of multiple elements of a bulk electric system
PEA	Proponent's Environmental Assessment

List of Abbreviations and Acronyms (cont.)

proposed project	South Orange County Reliability Enhancement Project
PVC	polyvinyl chloride
ROW	right-of-way
SCE	Southern California Edison
SDG&E	San Diego Gas and Electric
SOCRE project	South Orange County Reliability Enhancement Project
SOCRUP	South Orange County Reliability Upgrade Project
SONGS	San Onofre Nuclear Generating Station (retired in 2013)
STATCOM	static synchronous compensator
SR	State Route
TL13812	San Mateo–Talega 138-kV Transmission Line (now part of TL13846 as configured in 2013)
TL13816	Pico–Capistrano 138-kV Transmission Line
TL13831	Rancho Mission Viejo–Talega 138-kV Transmission Line
TL13833	Trabuco–Pico 138-kV Transmission Line (as reconfigured in 2013)
TL13835	Laguna Niguel–San Mateo–Talega 138-kV Transmission Line (as reconfigured in 2013)
TL13836	Pico–Talega 138-kV Transmission Line
TL13846	Pico—San Mateo –Talega 138-kV Transmission Line (as reconfigured in 2013)
TPL-002-0	NERC standard for system performance following the loss of a single bulk electric system element
TPL-003-0	NERC standard for system performance following the loss of two or more bulk electric system elements
TPL-004-0	NERC standard for system performance following extreme bulk electric system events
TRB	Transportation Research Board
USEIA	United States Energy Information Administration
VAR	volt-amperes reactive
WECC	Western Electricity Coordinating Council

Executive Summary

The California Public Utilities Commission (CPUC) is lead agency for review of San Diego Gas & Electric Company's (the applicant's or SDG&E's) proposed South Orange County Reliability Enhancement Project (SOCRE project or proposed project) pursuant to the California Environmental Quality Act (CEQA). Per the requirements of CEQA, the CPUC is preparing a Draft Environmental Impact Report (EIR) to assess the environmental impacts of the proposed project, which will include the comparison and analysis of alternatives to the project. This report presents the results of the CPUC's screening analysis of project alternatives.

Ten of the 12 project alternatives identified would fulfill three fundamental requirements established by CEQA for project alternatives to be analyzed in an EIR: the alternatives would meet most of the basic objectives of the proposed project; would be feasible; and would substantially lessen one or more potentially significant effects of the proposed project (CEQA Guidelines Section 15126.6(c)). Therefore, the CPUC will carry forward these ten alternatives for further analysis in the EIR. The No Project Alternative will also be evaluated in the EIR (CEQA Guidelines Section 15126.6(e)).

The following alternatives are evaluated in this report and are described in Chapter 3:

- Alternative A: No Project
- Alternative B1: Reconductor Laguna Niguel–Talega 138-kV Line
- Alternative B2: Use of Existing Transmission Lines (Additional Talega–Capistrano 138-kV Line)
- Alternative B3: Phased Construction of Alternatives B1 and B2
- Alternative B4: Rebuild South Orange County 138-kV System
- Alternative C1: SCE 230-kV Loop-in to Capistrano Substation
- Alternative C2: SCE 230-kV Loop-in to Capistrano Substation Routing Alternative
- Alternative D: SCE 230-kV Loop-in to Reduced-Footprint Substation at Landfill
- Alternative E: New 230-kV Talega–Capistrano Line Operated at 138 kV
- Alternative F: 230-kV Rancho Mission Viejo Substation
- Alternative G: New 138-kV San Luis Rey–San Mateo Line and San Luis Rey Substation Expansion
- Alternative H: New 230-kV Line from Escondido to Capistrano
- Alternative I: Other Substation Alternatives

Basic Objectives: CEQA requires that EIRs include a statement of objectives of the proposed project, and that the statement of objectives should include the underlying purpose of the project (CEQA Guidelines 15124). To determine whether an alternative would meet most of the basic objectives of the proposed project, the CPUC reviewed documentation published by the California Independent

System Operator (CAISO) and SDG&E's application and Proponent's Environmental Assessment (PEA) that describe the purpose of the proposed project. The CPUC also reviewed the applicant's electrical load forecast and power flow data applicable to the 10-year planning horizon (2014–2024). The underlying purpose of the proposed project is to increase the reliability of the applicant's South Orange County 138- kilovolt (kV) electrical system by reducing the risk of instances that could result in the loss of power to customers through the 10-year planning horizon. Each of the alternatives to be carried forward for further consideration in the EIR would achieve the project's underlying purpose.

Feasibility: To evaluate the feasibility of each alternative, the CPUC reviewed the applicant's PEA, conducted an independent engineering review, and met with the applicant (including a site visit held in 2010). Four of the alternatives described in this report were identified by the applicant in their PEA or in responses to requests made by the CPUC for further information about the proposed project. Each of the other alternatives identified by the CPUC were developed based on components of the proposed project, or on modified alternatives that originated from the PEA, with the exception of Alternative B2, which is based, in part, on information gathered during the 2010 site visit with the applicant. Each of the alternatives to be carried forward for further consideration in the EIR are potentially feasible from a technological, legal, and economic perspective pursuant to CEQA Guidelines Section 15126.6.

Significant Effects: Significant environmental effects that may result from construction and operation of the proposed project include, among others, impacts related to visual resources, air quality (including cumulative effects), biological resources, cultural resources, increased risk of wildland fire, transportation and traffic, and construction noise. Ten of the alternatives evaluated in this report and the No Project Alternative would each reduce one or more significant effect that may result from the proposed project.

Alternatives to New Transmission Facilities: California Public Utilities Code Section 1002.3 requires that the CPUC consider cost-effective alternatives to transmission facilities when evaluating project applications for a Certificate of Public Convenience and Necessity (CPCN). Alternatives A, B1, B2, and B3 would be cost-effective alternatives that meet Section 1002.3 requirements.

No Project Alternative and Environmentally Superior Alternative: Disturbance area is among the most basic considerations when evaluating the environmental effects of alternatives in comparison to the proposed project. The No Project Alternative (Alternative A in this report) typically results in less land disturbance and, in this respect, is often considered environmentally superior in comparison to a proposed project. However, when the Environmentally Superior Alternative is the No Project Alternative, an EIR must also identify an Environmentally Superior Alternative among the other alternatives (CEQA Guidelines Section 15126.6).

Alternatives B1, B2, and B3 would also disturb less land than proposed project. These alternatives would reconductor existing 138-kV lines or, to the extent feasible, make use of transmission lines that are currently not in use. Under Alternative B2, for example, a 138-kV line currently energized for use as a 12-kV distribution line would be repurposed to create a new 138-kV line from Talega Substation to Capistrano Substation. A replacement 12-kV distribution line would be installed as proposed by the applicant. This alternative may require three fewer miles of transmission line construction and may not require that Capistrano Substation be rebuilt.

Other alternatives evaluated in this report would also result in a smaller area of land disturbance than the proposed project, and have the potential to reduce a number of potentially significant effects of the proposed project. Alternatives B1, B2, B3, or one of the other seven alternatives to be carried forward for further analysis in the EIR could ultimately be selected as the Environmentally Superior Alternative at the conclusion of the CPUC's CEQA review process.

1

Introduction

San Diego Gas & Electric (the applicant or SDG&E) initially submitted a transmission project to address electrical system reliability issues in South Orange County to the California Independent System Operator (CAISO) in 2008. Over the course of several years, the project was refined and modified, and in 2011, the CAISO included the project in their adopted 2010–2011 Transmission Plan (CAISO 2011a), and in May 18, 2012, the applicant filed application A.12-05-020 with the CPUC for a CPCN to construct the South Orange County Reliability Enhancement Project (SOCRE project or proposed project). The CPUC is the lead agency for review of the proposed project pursuant to the California Environmental Quality Act (CEQA) and is preparing a Draft Environmental Impact Report (EIR) per the requirements of CEQA.

This report presents the results of the CPUC’s process of selection and review of project alternatives to be included for analysis in the EIR. Project alternatives were identified by the applicant in their Proponent’s Environmental Assessment (PEA), formulated by the CPUC, and proposed during public scoping for the EIR. The alternatives screening process identified and reviewed 12 potential alternatives to the proposed project and a No Project Alternative. This report:

- Presents a brief description of the proposed project and the project’s objectives, and a summary of the review of the project by the CAISO and CPUC;
- Describes the approach and methods used for screening each alternative as required by CEQA;
- Describes and discusses the range of alternatives identified and evaluated; and
- Describes each alternative and the results of the screening evaluation (i.e., identifies the alternatives eliminated from further consideration or carried forward for full analysis in the EIR).

The proposed project would serve customers within SDG&E’s South Orange County service area (Figure 1). The project would include a rebuilt 230/138/12-kV substation at the location of an existing 138/12-kV substation site in San Juan Capistrano, California, and the construction of a new double-circuit 230-kV transmission line from this substation to the applicant’s 230/138/69-kV Talega Substation within an existing transmission line corridor. The proposed 230-kV transmission line would be approximately 7.8-miles long. The applicant estimates that construction would take approximately 64 months, which includes four months for restoration activities that would occur throughout construction. If approved and construction began in 2015, the proposed project could be operational in 2020.



EE-003279-0001-04TTO.a.ai 07/21/2014

Figure 1
Project Vicinity and SDG&E South Orange County Service Area
 South Orange County Reliability Enhancement Project

1.1 Proposed Project Overview and Background

This section describes the existing South Orange County electrical system (also referred to as the South Orange County 138-kV system) and provides an overview of the proposed project.

1.1.1 Existing and Proposed South Orange County 138-kV System

SDG&E is a public utility that provides energy service to 3.4 million consumers through 1.4 million electric meters and more than 830,000 natural gas meters in San Diego County and the southern portion of Orange County. All power that flows into SDG&E's South Orange County service area is transmitted through Talega Substation via three 230-kV transmission lines—Talega Substation is therefore described by SDG&E as the main source of power for South Orange County. The South Orange County 138-kV system includes seven 138/12-kV substations, each of which receives its power from Talega Substation, as shown in Figure 2. The proposed project would reconfigure the South Orange County 138-kV system such that both the rebuilt Capistrano Substation and modified Talega Substation would be capable of receiving power through 230-kV transmission lines, and either substation would be capable of providing power to the South Orange County 138-kV system during planned maintenance outages or emergency events that would cause operations at either substation to temporarily cease.

1.1.2 Project Components, Construction, and Operation

The applicant proposes to rebuild their 138/12-kV Capistrano Substation (in the City of San Juan Capistrano) as a 230/138/12-kV substation called San Juan Capistrano Substation. The applicant also proposes to construct a double-circuit 230-kV transmission line to connect the proposed San Juan Capistrano Substation to Talega Substation (in San Diego County, east of the City of San Clemente). The primary components of the proposed project (Figure 3) would include:

1. Rebuilding and upgrading the 138/12-kV 60 megavolt ampere (MVA)¹ air-insulated Capistrano Substation (2 acres) as a 230/138/12-kV 700 MVA gas-insulated substation (6.4 acres) called San Juan Capistrano Substation;²
2. Replacing a single-circuit 138-kV transmission line between the applicant's Capistrano and Talega substations with a new double-circuit 230-kV transmission line (approximately 7.8-miles long);
3. Relocating several transmission line segments (approximately 1.8 miles, total) adjacent to Talega and Capistrano substations to accommodate the proposed San Juan Capistrano Substation and new 230-kV line; and
4. Relocating a 12-kV distribution line³ (approximately 6 miles long) and several distribution line segments into new and existing underground conduit⁴ and overhead on new structures to provide power from the proposed San Juan Capistrano Substation to the San Juan Hills High School and Rancho San Juan residential development area and Prima Deschecha Landfill.

¹ Substation capacity is typically expressed in terms of MVA for alternating current electrical systems.

² If needed in the future, space would be available at the proposed substation site for a total of three 230/138-kV 352 MVA transformers with a combined capacity of 1,050 MVA and four 138/12-kV 30 MVA transformers with a combined capacity of 120 MVA.

³ According to CPUC General Order No. 131-D, *distribution lines* are electrical lines that operate at voltages below 50 kV (CPUC 1995).

⁴ The term *conduit* refers to protective tubing through which electrical transmission and distribution cables and telecommunications cables are installed. PVC (polyvinyl chloride) conduit is typically used for power line installations.

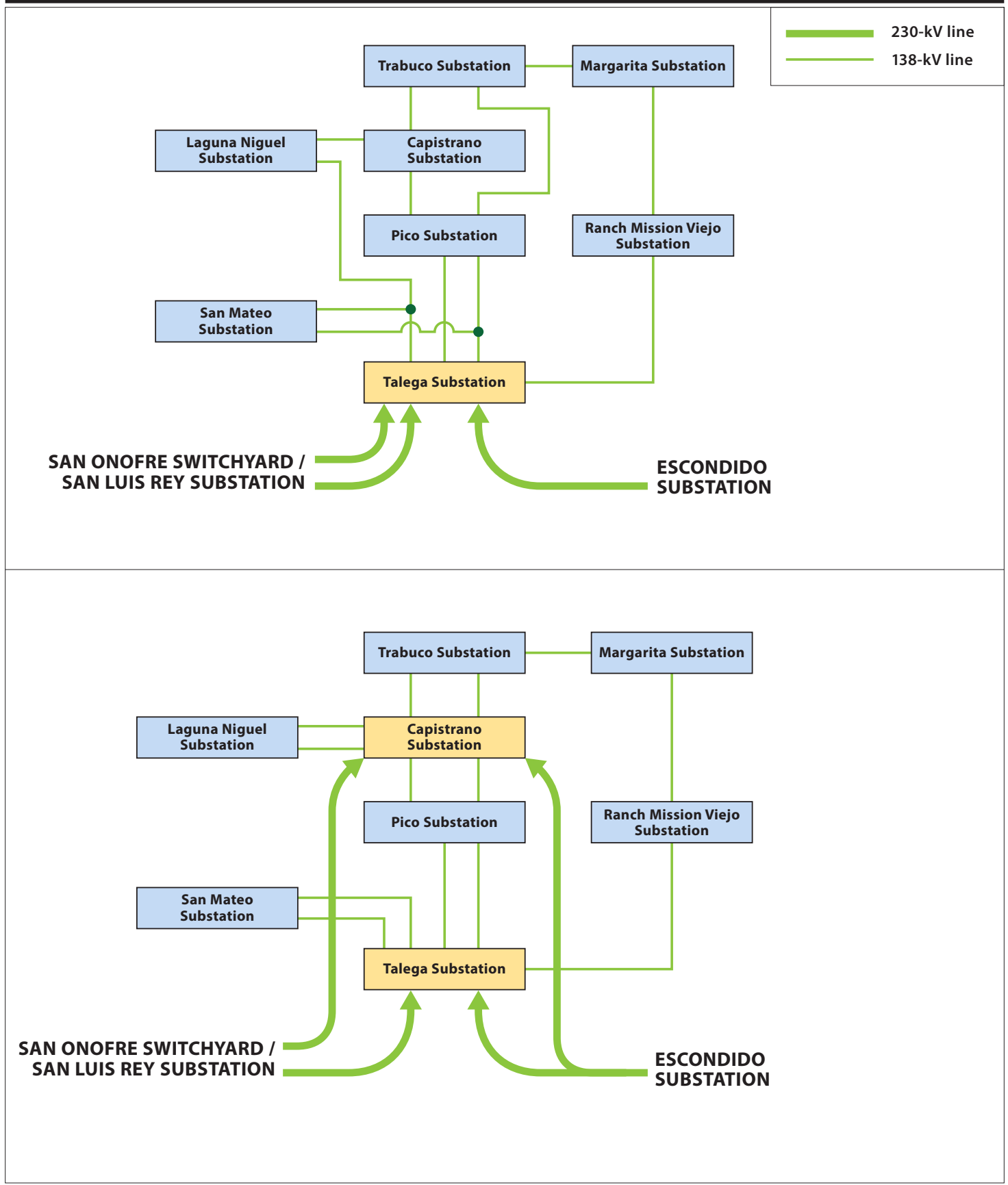
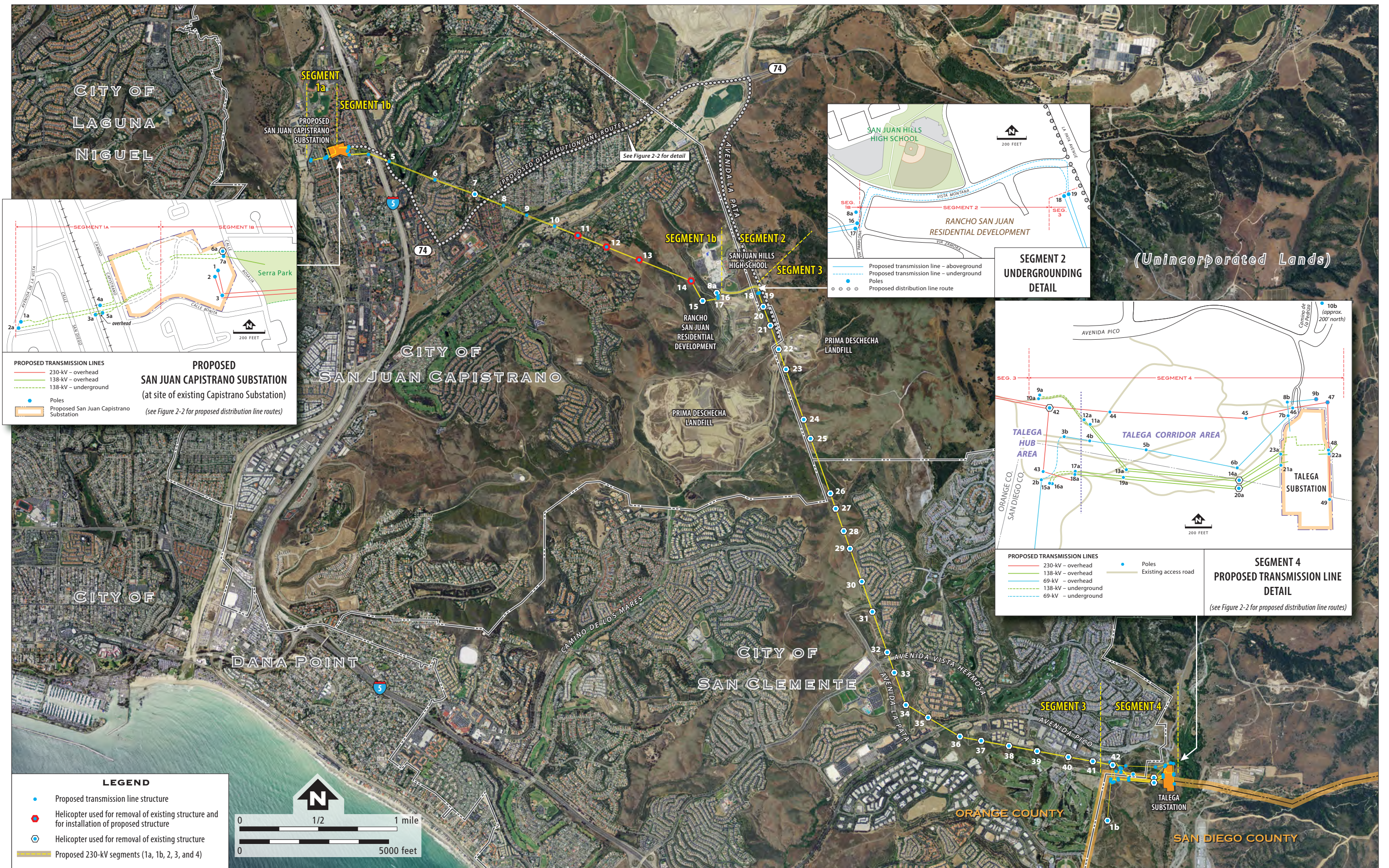


Figure 2

Existing and Proposed SDG&E South Orange County 138-kV System

South Orange County Reliability Enhancement Project



EE-003279-0001-01-01TT0.a.ai (2012 Archives) 07/21/2014

Figure 3 Components of the Proposed Project
South Orange County Reliability Enhancement Project

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To construct the proposed project, approximately 142 transmission and distribution line structures would be removed (125 wood poles, 12 steel poles, and 5 steel lattice towers) and 120 steel structures (82 tubular steel poles and 38 steel distribution line poles) would be installed. Approximately 0.4 miles of the proposed 230-kV transmission line, 0.7 miles of the relocated transmission line segments, and 0.5 miles of the relocated distribution lines would be installed in new underground conduit (approximately 1.6 miles, total).

Figure 4 shows a view of the single-circuit 138-kV transmission line (TL13835) that would be replaced by the proposed double-circuit 230-kV line and provides a simulated view of the proposed 230-kV structures. The proposed transmission line work areas are organized along five route segments (Segments 1a, 1b, 2, 3, and 4) as shown in Figure 3. Figure 4 presents a view of a section of Segment 4 located a few miles northwest of Talega Substation near the intersection of Calle Saluda and Avenida La Pata.

Location of the Proposed Project Components

The components of the proposed project would be primarily located in the applicant's existing rights-of-way (ROWs) within the cities of San Juan Capistrano and San Clemente as well as unincorporated Orange and San Diego counties (Figure 3). A portion of the 138-kV transmission line that would be replaced by the proposed double-circuit 230-kV transmission line crosses Interstate 5 (I-5) east of the Capistrano Substation. The proposed route would continue within existing ROW southeast to the San Juan Hills High School and Rancho San Juan residential development area and then southeast through Prima Deschecha Landfill. From there, the transmission line would continue southeast through the City of San Clemente and unincorporated Orange and San Diego counties to the Talega Substation. Talega Substation is located within San Diego County on land owned by the United States Marine Corps within their Camp Pendleton base. The applicant operates the substation through a lease agreement.

Distribution circuit 315, the 12-kV distribution line that would be relocated as part of the proposed project would be routed from Capistrano Substation in the City of San Juan Capistrano to the San Juan Hills High School and Rancho San Juan residential development area and Prima Deschecha Landfill. It would extend east from Capistrano Substation across I-5; after crossing I-5, it would be installed as underground cable in existing conduit along a route extending south to State Route-74 (SR-74). At SR-74, the distribution line would connect to an existing underground line that would extend along the road to Avenida La Pata; extending south along Avenida La Pata, the distribution line would be installed in an overhead position to the San Juan Hills High School and Rancho San Juan residential development area and Prima Deschecha Landfill (Figure 3).

Rights-of-Way

Electrical lines between Capistrano Substation and Talega Substation are located within a transmission line corridor that includes multiple SDG&E and Southern California Edison (SCE) lines of various voltages. The applicant acquired the easement within the transmission corridor between Talega and Capistrano substations in the 1960s. Southern California Edison owns and operates 220-kV transmission lines within the transmission corridor. The average width of the applicant's easement within the corridor is 150 feet. The applicant owns the Capistrano Substation property and has easements for Talega Substation and the areas west of Talega Substation known as the Talega Hub and the Talega Corridor. The applicant would acquire new ROW for approximately 0.3 miles of the proposed transmission lines.

The applicant estimates that 0.1 acres of new ROW would be acquired south of the intersection of Vista Montana and Via Pamplona for installation of the proposed 230-kV transmission lines underground. The ROW would be acquired from the Woodbridge Homes company, the developer of

the Rancho San Juan residential area. Within the Talega Hub/Corridor area west of Talega Substation, 9.6 acres of new ROW would be acquired for installation of the proposed 230-kV transmission lines and 0.4 acres for the relocation of 138-kV and 69-kV transmission lines. The ROW would be acquired from the Talega Home Owners Association and the Transportation Corridor Agencies. In total, the applicant estimates that 10.1 acres of new ROW along 0.3 miles of the proposed transmission line would be acquired for the proposed project.

Existing Capistrano Substation and Proposed San Juan Capistrano Substation

The 138/12-kV Capistrano Substation is located on approximately 2 acres of a 6.4-acre site within an urbanized area in the City of San Juan Capistrano. The substation is *open-air insulated*—its switchgear is insulated by open space rather than being enclosed and insulated by sulfur hexafluoride gas. The substation site is bounded by residential property to the north and streets to the west, east and south (Camino Capistrano, Calle Santa Rosalia, and Calle Bonita, respectively). It is located approximately 700 feet west of I-5. Along the southeastern border of the site, a number of camper and recreational-use trailers and motorhome vehicles are stored within a parking/storage lot. Serra Park, a City of San Juan Capistrano park, is located east of the substation site across Calle Santa Rosalia.

The proposed San Juan Capistrano Substation, including access roads, fencing, and masonry wall, would require the development and use of the entire 6.4-acre site. The main components of the existing and proposed substations are presented in Table 1.

Table 1 Existing Capistrano Substation and Proposed San Juan Capistrano Substation Components

Capistrano Substation	San Juan Capistrano Substation
<ul style="list-style-type: none"> - 60 MVA electrical capacity - All open-air insulated switchgear - Three 138-kV transmission lines - Seven 12-kV distribution lines - Two 138/12-kV 30 MVA transformers - Capacitor banks - Concrete control shelter 	<ul style="list-style-type: none"> - 700 MVA electrical capacity ¹. - Gas-insulated 230-kV and 138-kV switchgear - Two 230-kV transmission lines - Six 138-kV transmission lines - Seven 12-kV distribution lines - Two 230/138-kV 352 MVA transformers - Three 138/12-kV 30 MVA transformers - Capacitor banks - Two concrete control shelters - Two switchgear buildings with metal siding ².

Source: SDG&E 2012

Key: MW = megawatts, MVA = megavolt ampere

Notes:

¹ If needed in the future, space would be available at the proposed substation site for a total of three 230/138-kV 352 MVA transformers with a combined capacity of 1,050 MVA and four 138/12-kV 30 MVA transformers with a combined capacity of 120 MVA.

² The proposed gas-insulated switchgear would be housed in two buildings. One would be approximately 65-feet wide, 180-feet long, and 50-feet tall and the other would be approximately 85-feet wide, 150-feet long, and 45-feet tall.

Upper and Lower Yard Areas

The Capistrano Substation site has an upper yard area and lower yard area. The substation’s existing facilities are located on approximately 2 acres of land on the upper yard. A concrete structure (approximately 5,200 square feet) is located on the lower yard. This building, built in 1918 and referred to in this report as the “former utility structure,” was previously used for electrical utility purposes and is currently used by a leaseholder for storage. The difference in elevation between the upper and lower yard areas is approximately 47 feet.



Existing view from Calle Saluda at Prima Desecha Trail looking northwest



Visual simulation of proposed 230-kV transmission line at proposed pole site No. 30

Figure 4

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For the proposed San Juan Capistrano Substation, new 138-kV facilities would be installed within the lower yard area. Once the new facilities are operational, the existing 138-kV facilities would be removed from the upper yard area, and the proposed 230-kV substation facilities would be constructed on the upper yard area and a section of the lower yard area.

Perimeter Masonry Wall and Fencing

The proposed substation would be partially enclosed by a 10-foot-tall masonry wall along the western, northern, and southern sides of the substation property, which would partially screen the substation facilities from view. Landscaping would also be installed to soften the visual appearance of the masonry wall. An 8-foot-tall chain link fence topped with two feet of barbed wire would be installed to replace the existing chain link fence located along the eastern boundary of the substation site. The chain links would have vinyl privacy slats woven between the links. A 6- to 8-foot-tall chain link fence without barbed wire would be installed along the northern side of the substation site adjacent to private residences. In these areas, the masonry wall would be set back a minimum of 10 feet from the property line to provide a landscaped buffer zone between the wall and residential properties.

The applicant hosted a two-hour meeting (a design charrette) with the local community and City of San Juan Capistrano officials at the San Juan Hills Golf Club on April 18, 2012 to identify an architectural design theme for the proposed San Juan Capistrano perimeter wall. The applicant is working with the City to finalize the proposed design.

Talega Substation

The applicant's 230/138/69-kV Talega Substation is located within San Diego County on Camp Pendleton on approximately 6.1 acres of land owned by the United States Marine Corps. Three 230-kV transmission lines, four 138-kV transmission lines, and one 69-kV transmission line connect to Talega Substation. The substation has five transformers: two 230/138-kV 392 MVA transformers, one 230/138-kV 168 MVA transformer, one 230/138-kV 150 MVA transformer; and one 138/69-kV 25 MVA transformer, as well as two 230-kV capacitor banks, one Static Synchronous Compensator (STATCOM),⁵ and a concrete control shelter. The normal operating capacity of the substation is 1,100 MVA.

A number of 230-kV, 138-kV, and 69-kV transmission line structures within and in proximity to Talega Substation would be relocated and replaced to allow for installation of the proposed new double-circuit 230-kV line.

Transmission and Distribution Line Construction

The proposed 230-kV and 138-kV transmission line poles would be steel, range in height from 80 to 160 feet, and be 4-feet to 6-feet wide. The proposed 69-kV and 12-kV poles would be steel, range in height from 50 to 80 feet, and be 3-feet to 4-feet wide. The proposed steel poles would be delivered in two or more sections to each structure installation site by flatbed truck or helicopter. The proposed double-circuit poles would have six cross arms (three on each side) that would support three conductors (electrical wires) on each side of the pole. Each set of three conductors creates a single alternating-current circuit. After assembly on site, a large crane or helicopter would be used to lift and install each pole section into place on the anchor bolts embedded in the concrete foundation or

⁵ A STATCOM is a regulating device used to optimize the power transfer capability of alternating current transmission systems. Reactive power (volt-amperes reactive or VARs) is regulated in AC transmission systems to maintain required voltage levels. STATCOMs are one option for regulating reactive power. Talega Substation has a STATCOM rated for 100 megavolt-amperes reactive power, which may be referred to as 100 Mega VARs or 100 MVARs. It is connected to SDG&E's 138-kV system.

directly into the ground if direct buried. After installation, trucks would be used to access the structures for modifications as needed.

Prior to stringing conductor on the new structures, the applicant would install temporary, wood, H-frame guard structures at each side of roadway crossings near the curb, railway crossings, and other locations where the new conductor could come in contact with existing electrical and communication facilities, vehicles, or pedestrians should the conductor accidentally fall during stringing operations. Guard structures would also be installed at each side of waterway crossings.

In some cases, the applicant may use flaggers to stop traffic temporarily while overhead line is installed at road crossings, and not install guard structures. Typically, guard structures are used for installing overhead conductor across large roadways, sensitive waterways, and utility corridors. Traffic control is typically used for small roadway crossings. For very large roadway crossings, such as freeways, both guard structures and traffic control are typically used.

Transmission-Line Stringing (Wire Stringing)

Wire stringing operations begin with the installation of travelers (rollers) on the transmission line structures using helicopters or bucket trucks. The rollers allow conductor to be pulled through structure cross arms. Following installation of the rollers, a sock line (a small cable used to pull the conductor) is pulled onto the rollers from structure to structure using helicopters or bucket trucks. Once the sock line is in place, it is attached to the conductor and used to pull (or string) the conductor into place on the rollers using pulling equipment. It generally takes about 5 hours to pull three conductor cables (one complete circuit) through one side of the double-circuit structures along a typical segment (up to 12,000-foot section) of a transmission line route. Helicopters would be used for transmission-line stringing depending on proximity to residences, site accessibility, and safety considerations. Helicopters would not be used for distribution-line stringing.

Underground Installations

Where underground conduit would be installed, the majority of the conduit would be placed using open-cut trenching techniques. Single-circuit transmission line trenches would generally be 7-foot deep and 3-foot wide, and trenches for double-circuit installations would generally be 8-foot deep and 3-foot wide. Trench depth could vary somewhat depending on soil stability and the presence of existing substructures. A jack-and-bore underground construction method would be used to install new underground conduit beneath Camino Capistrano and under the railroad tracks west of the proposed San Juan Capistrano Substation. The jack-and-bore method pushes a steel casing laterally through the soil, removing excess soil with a rotating auger. After conduit installation is complete, conductor would be pulled through.

Removal of Existing Structures

Existing transmission line poles and components (e.g., cross arms and insulators) would be dismantled by crane or helicopter and hauled away by truck. After the poles have been removed, concrete foundations (where present) would be jack hammered to below grade and debris would be removed. Where the pole is direct buried and no foundation is present, the poles would be completely removed. If a pole cannot be pulled from the ground, it would be cut into sections from the top down to a point located 6 to 12 inches below the surface. If necessary, poles may be cut at or slightly above ground level to avoid impacts to sensitive resources. The remaining hole would be backfilled with clean fill soil or ground materials similar to those in the immediate area of the hole, and the site would be restored.

The applicant would remove conductor using methods similar to those used during the conductor installation process but reversed. Old conductor would be wound onto wooden spools. Old poles,

associated hardware, conductor, and debris would be removed from the site using flatbed trucks, and would be recycled or disposed in accordance with all applicable laws and regulations.

Operation and Maintenance

The applicant does not anticipate that operations and maintenance activities, including the routine inspection, maintenance, and repair of its transmission, distribution, and telecommunications lines and substations, would increase in intensity, frequency, or duration because the proposed project would be constructed within the applicant's existing substation sites and transmission and distribution line corridors.

The proposed San Juan Capistrano Substation and upgraded Talega Substation would be unstaffed. No new staff would be required for operation and maintenance of the proposed San Juan Capistrano Substation, proposed modifications at Talega Substation, or proposed transmission lines and 12-kV distribution lines.

1.2 CAISO and CPUC Review of the Proposed Project

The CAISO manages the flow of electricity across the high-voltage, long-distance power lines that make up 80 percent of California's and a small part of Nevada's bulk-electric power grid. Transmission projects that would connect to the bulk-electric power grid managed by the CAISO are proposed by investor-owned utilities such as SDG&E for inclusion in the CAISO's annual transmission planning process. If a project is approved by the CAISO, the applicant then submits the project for subsequent review and approval by the CPUC, if CPUC approval is required. CPUC approval is required for the proposed project because it meets the requirements specified in General Order 131-D for a CPCN (CPUC 1995). CAISO review and approval of the proposed project and subsequent review by the CPUC pursuant to CEQA are summarized in this section. The following transmission planning terms are applied in this section and subsequent sections of this report:

- *Load shedding* refers to the deliberate disconnection of electric current from specific lines. Load shedding (specifically, involuntary load shedding, where a utility such as SDG&E drops customer load without customer permission or notification) is used to maintain reliability when there is a system emergency, such as an unplanned outage of a transmission line or transformer, which forces operators to take action to reduce power flows. Load shedding is used sparingly by transmission system operators to prevent damage to equipment and to remain in compliance with regulatory requirements. It should not be confused with "dispatchable demand" or "demand side management" that calls upon customers to reduce power consumption and the customers, in return, receive compensation (SDG&E 2012). Where load shedding occurs or is planned for in compliance with all applicable transmission planning standards, it is commonly referred to as *non-consequential load shedding*, which indicates it is allowable without regulatory approval.
- *Category B events* are contingencies that involve the loss of a single generation or transmission element, such as a substation transformer or a single circuit of an existing transmission line, of a bulk electric system (e.g., the electrical grid managed by the CAISO). This type of event is often referred to as an *N-1 contingency* by transmission planners. Load shedding is not allowed after Category B events (NERC 2005a, 2007, SDG&E 2014a).
- *Category C events* are contingencies that involve the loss of two or more generation or transmission elements of a bulk electric system. The failure of two generation or transmission elements is often referred to as an *N-2 contingency* by transmission planners. Load shedding, when planned for and controlled in compliance with all applicable transmission planning standards, is allowable after Category C events (NERC 2005b, 2007, SDG&E 2014a).

- *Category D events* are extreme contingency events (catastrophic failures) that involve the loss of two or more bulk electric system elements, e.g., an entire substation (NERC 2005c, SDG&E 2014a)
- An *N-1-1 contingency* is a type of Category C event that ensues when a Category B (N-1) event is followed by a system adjustment (e.g., load shedding) and then a subsequent generation or transmission element failure event prior to correcting the initial N-1 contingency. For comparison, N-2 contingencies typically involve multiple failures that occur simultaneously or nearly simultaneously (rather than subsequently). Load shedding, in general, is allowable after a Category C, N-1-1 event depending on the amount of load to be shed and other system-specific factors (FERC 2013, NERC 2007, SDG&E 2014a).
- A *common mode failure* can be defined as the failure of multiple parts of a transmission system caused by a single fault, particularly a random fault due to environmental conditions (e.g., fire) or aging. The loss of a single tower that supports a double-circuit transmission line is an example of a common mode failure (and is also an example of an N-2 contingency). Within the South Orange County 138-kV system, a number of 138-kV lines share structures. One example is the double-circuit transmission line that supports both the Pico–Talega 138-kV Line (TL13836) and Pico–Talega–San Mateo 138-kV Line (TL13846).
- *Special Protection Systems* (also referred to as Remedial Action Schemes) are automatic protection systems designed to detect abnormal or predetermined system conditions (e.g., the outage of a specific transmission line segment) and implement corrective action to ensure that system reliability is maintained. Such action may include changes on the demand side, in power or reactive power generation, or in system configuration to maintain system stability, acceptable voltage, or power flows. Implementing Special Protection Systems instead of building new transmission facilities may be recommended because these systems can generally be implemented faster and for much a lower cost. As the number of Special Protection Systems in place increases, maintenance outages become more difficult to schedule, and it becomes difficult to assess the interdependency of these various protection schemes on system reliability (CAISO 2011a, NERC 2013a).
- *Peak electrical load* (or peak demand) generally refers to a single hour (or single 15-minute or half-hour period) that represents the period of highest customer consumption of electricity. On a daily basis, peak demand typically occurs about 5:30 p.m. when a high percentage of businesses and households demand electricity at the same time. On an annual basis, peak demand periods typically occur from June through September in South Orange County (Grigsby 2001, SDG&E 2012).

1.2.1 CAISO Transmission Planning and Approval of the Proposed Project (2008–2011)

The CAISO conducts its transmission planning process on an annual basis. During this process, the CAISO requests project proposals, performs technical studies and a transmission plan, and may request competitive proposals to sponsor transmission projects identified in the approved plan. Among the types of transmission projects identified in the plan are *reliability projects* and *policy-driven/economically-driven projects*. Policy-driven projects approved by the CAISO are those that the CAISO determines would be required to meet state policy and economic objectives. CAISO-approved reliability projects are those that CAISO technical studies show are needed to maintain compliance with North American Electric Reliability Corporation (NERC), Western Electricity Coordinating Council (WECC), and CAISO transmission planning standards or are otherwise found to address important reliability concerns (CAISO 2013a).

During a preliminary review of a conceptual version of the proposed project in 2008, the CAISO classified the proposed project as a reliability project. During its 2008 and 2009 review processes, the CAISO stated that the proposed project would require further review and would need CAISO Board approval because it would cost more than \$50 million. The conceptual version of the proposed project described was referred to as the Orange County Long-Term Expansion Plan in 2008 and Capistrano–Talega Reliability Upgrade in 2009 (CAISO 2008, 2009).

In 2010, CAISO technical studies identified a potential Category B, N-1 event that would overload the Talega Tap–Laguna Niguel 138-kV Line (TL13835) with the loss of the Talega–Pico 138-kV Line (TL13836) that could occur within the 10-year planning horizon. The potential overload would require load shedding that would not be in compliance with NERC, WECC, or CAISO standards. The CAISO found that while conceptual versions of the proposed project would mitigate this potential contingency, it recommended a much less expensive mitigation that included implementation of a Special Protection System and reconductoring of the Talega–San Mateo 138-kV Line. The applicant proposed to reductor TL13835 as an alternate mitigation,⁶ but the CAISO found that this would cost substantially more than the Special Protection System and smaller 138-kV reconductoring project. The CAISO also noted that TL13835 could ultimately be upgraded as part of a larger conceptual version of the proposed project, if approved in the future (CAISO 2010).

The same potential Category B event was identified by the CAISO in 2011, but technical studies found that the overload would only be by 1 percent. The CAISO recommended further review of the potential Category B event in future planning cycles (CAISO 2011a). The CAISO did not identify this Category B event or other events with the potential to result in noncompliance with a mandatory NERC, WECC, or CAISO standards when reviewing the need for the proposed project (CAISO 2011a, CAISO 2014c). Category B events are discussed further in this report in Section 1.2.2 under the heading “Applicability of Transmission Planning Standards,” and subheading, “NERC Standard TPL-002-0.”

A number of potential Category C events (40 or more) that could impact TL13835 were also identified in CAISO’s 2010 and 2011 studies, but the CAISO determined that load shedding could occur if needed and compliance with NERC, WECC, and CAISO standards would be maintained (CAISO 2010, 2011a).

In 2011, a version of the proposed project called the South Orange County Reliability Upgrade Project (SOCRUP) was formally proposed for CAISO review and approval and was classified as a reliability project. The CAISO worked with the applicant to develop alternatives to the SOCRUP project and ultimately approved SOCRUP Alternative 3 in 2011. SOCRUP Alternative 3 is largely the same as the proposed project described in this report.⁷ The CAISO determined that SOCRUP Alternative 3 would provide similar reliability benefits to the SOCRUP but would be considerably less expensive. The CAISO estimated an in-service date of June 2015 for the proposed project (CAISO 2011a).

⁶ “Mitigation” in this case is a specific terms used by the CAISO. This mitigation is similar to Alternative B1, which is described in Chapter 3 of this screening report.

⁷ The PEA submitted to the CPUC in 2012 provides much more detail about the proposed project than documentation published by the CAISO about the SOCRUP and SOCRUP Alternative 3. The main transmission components of the proposed project evaluated in this report are assumed to be the same as those approved by the CAISO in 2011. Additional project components, such as the proposed 12-kV distribution line relocation, were not described in the CAISO documentation reviewed during the preparation of this screening report.

The CAISO determined that SOCRUP Alternative 3 was needed to ensure, by 2020, that 40 or more Category C events that could require load shedding on the applicant's 138-kV facilities in southern Orange County would be mitigated (CAISO 2011a, 2014b, 2014c). Some Special Protection Systems that addressed some of the identified Category C events were already in place in the system at the time of CAISO's evaluation. CAISO described the need for the project based on CAISO guidelines that recommend Special Protection Systems not be used to address more than six contingencies that could cause more than four elements to overload and because the large number of potential Category C events identified exceeds this amount (CAISO 2011a, 2011b).⁸ The CAISO also determined that the project is needed because of reliability issues associated with supplying the entire South Orange County electrical system from a single 230-kV substation (Talega Substation).

The CAISO determined that the lack of a second 230-kV source to the South Orange County 138-kV system puts more load at risk than the Category C events identified. To improve the overall reliability of the entire South Orange County electrical system, the CAISO stated that it is important to bring another 230-kV source into the area. Given that it would bring another 230-kV source into the service area for approximately \$364.8 million⁹ and was estimated to be approximately \$90 million less expensive than SOCRUP (\$454.8 million), the CAISO concluded that SOCRUP Alternative 3 would be the most effective, feasible solution to meet the reliability needs of the southern Orange County area (CAISO 2011a).

1.2.2 CPUC Review of the Proposed Project and Potential Alternatives Pursuant to CEQA (2012–2014)

To refine the CEQA project objectives and adequately document the alternatives screening process, the CPUC reviewed data provided by the applicant, including power flow and load forecast data, as well as applicable transmission planning standards. The applicant applied to the CPUC for a CPCN to construct the proposed project in May 2012, and the CPUC began a review of the application for completeness, conducted site visits, and began its technical analysis. The CPUC's CEQA public process began in January 2013 with circulation of a Notice of Preparation of an Environmental Impact Report. In response to CPUC requests for further information about the proposed project and alternatives during the course of CEQA review, the applicant provided power flow and load forecast data. The applicant re-submitted revised power flow and related data that describe their electrical system to the CPUC several times between April 2013 and June 2014. The applicant updated the data to correct technical errors and to account for relatively small South Orange County 138-kV system reconfiguration and reconductoring projects that had been completed. For example, SDG&E tapped (connected) the Laguna Niguel–San Mateo 138-kV Line (TL13835) to Talega Substation; looped in the Talega–Trabuco 138-kV Line (TL13833) to Pico Substation; and connected the Talega–San Mateo 138-kV Line (TL13812) to Pico Substation by tapping TL13833, which created the new San Mateo–Pico–Talega 138-kV Line (TL13846). These and other transmission improvements completed by SDG&E through 2014 reduced the risk of some of the overload conditions identified by the CAISO in 2011 that could occur through the 10-year planning horizon (through 2024).

The CPUC's review of the applicant's power flow data and latest load forecast data (SDG&E 2014c) indicated that no Category B (N-1) events that could require load shedding would occur within the 10-year planning horizon. The CPUC verified that Category C events that could require load shedding could occur within the 10-year planning horizon but also that SDG&E would remain in compliance

⁸ CAISO Planning Guideline ISO SPS6, which was adopted in June 2011, recommends, as a general guideline, that there should be no more than six local contingencies (single or credible double contingencies) that would trigger the operation of a Special Protection System and that the Special Protection System should not be monitoring more than four system elements or variables (CAISO 2011b, 2014b).

⁹ In 2012, the applicant estimated that the proposed project would cost approximately \$473.6 million (SDG&E 2012).

with mandatory NERC, WECC, and CAISO standards even if load shedding was required because of these events. Among the Category C events that could occur is a possible overload of the Talega Tap–Laguna Niguel 138-kV Line (TL13835) because of the loss of 138-kV lines between Pico and Capistrano substations (TL13816) and Pico and Trabuco substations (TL13833) (SDG&E 2012, 2014a).¹⁰

According to the latest load data provided to the CPUC, recorded peak load on the South Orange County 138-kV system has dropped each year since 2007. The existing 138-kV system is capable of handling 400 to 499 megawatts (MW) of power during normal conditions and 500 MW or more during temporary, peak load conditions. The rated capacity of the 138-kV system is approximately 580 MW. In 2013, the recorded peak load was 61 MW (approximately 13 percent) lower than in 2007 (Figure 5). In addition, the load forecast data that supported CAISO’s approval of the proposed project in 2011 indicated that South Orange County electrical system loads could reach 523 MW by 2020 (CAISO 2011a). The applicant’s May 2014 load forecast indicates that peak loads could reach 474 MW by 2020 (Table 2), which represents a 49 MW reduction in the load forecast (about 9 percent). The applicant’s current power flow data do not indicate that system loads may exceed 500 MW until after 2024 (SDG&E 2014c) and loads might not reach 523 MW until 2029 assuming a steady growth rate of approximately 5.7 MW, or about 1 percent, per year (Table 2). The applicant’s latest forecast assumes that continued development of the Rancho Mission Viejo residential complex could add more than 10,000 homes in the vicinity of Rancho Mission Viejo Substation during the next 10 to 20 years (San Juan Capistrano Patch 2013, SDG&E 2012, 2014a, 2014c).¹¹ The applicant does not forecast that any of the 138/12-kV substations within its South Orange County 138-kV system would exceed their operating capacity through 2024 (Table 3).

The CPUC’s review of the proposed project, its objectives, and alternatives includes consideration of the NERC, WECC, and CAISO transmission planning standards that the applicant referenced when defining the need for the proposed project, as discussed in the following section. The objectives of the proposed project as defined by the CPUC for CEQA review purposes (see Section 1.3) are based, in part, on the following review of transmission planning standards.

Applicability of Transmission Planning Standards

Components of the applicant’s South Orange County transmission system that connect to the regional electrical grid managed by the CAISO must be constructed and maintained in compliance with mandatory NERC, WECC, and CAISO standards.¹² In addition, the applicant designs its transmission systems in accordance with additional standards and guidelines established by NERC, WECC, and CAISO that are not mandatory but are recommended as industry best practices. To date, operation of

¹⁰ According to the applicant’s latest load forecast through 2024 for the South Orange County 138-kV system (Table 2), loads are no longer anticipated to increase such that the common mode failure scenarios previously identified would occur within the 10-year planning horizon.

¹¹ In response to a request for further information from the CPUC, the applicant indicated that from 2001 through 2013, the South Orange County 138-kV system load center migrated further east from Capistrano Substation in the direction of the Rancho Mission Viejo residential area and Rancho Mission Viejo Substation. The applicant’s 2014 load forecast projects that the load center will continue to migrate further east from Capistrano Substation through 2024.

¹² As of June 18, 2007, the Federal Energy Regulatory Commission granted NERC the legal authority to enforce Reliability Standards with all users, owners, and operators of the bulk power system in the United States and made compliance with those standards mandatory and enforceable (NERC 2013b). WECC is one of the eight regional electric reliability councils under NERC. Both WECC and CAISO transmission planning standards are based on and in compliance with NERC transmission planning standards (CAISO 2011b, WECC 2003).

the applicant’s South Orange County transmission system and planning for future system conditions has not violated NERC, WECC, or CAISO standards.

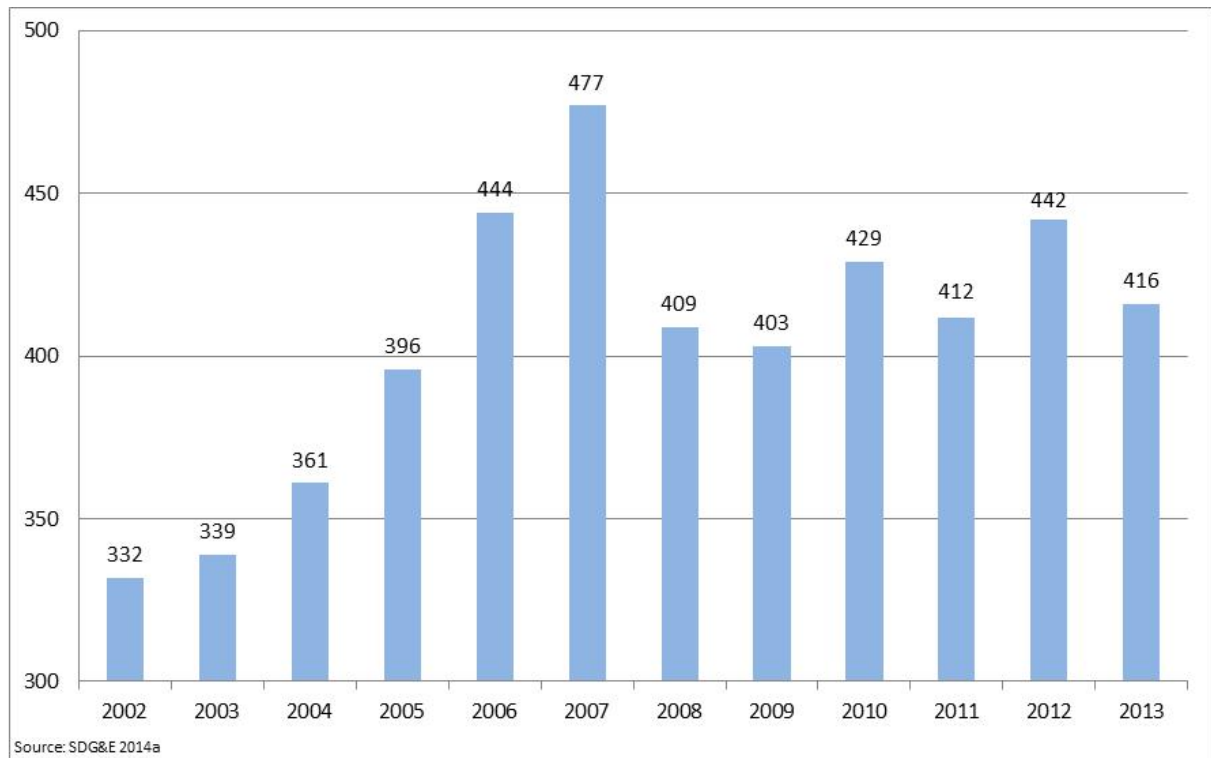


Figure 5 South Orange County 138-kV System Recorded Peak Load (2002–2013) in Megawatts

Table 2 South Orange County 138-kV System Forecast Peak Loads and Peak Loads by Substation for 2014 through 2024 in Megawatts

Substation	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Trabuco	87.5	87.9	88.3	88.8	89.2	89.6	90.0	90.5	90.9	91.3	91.7
Margarita	107.3	107.8	108.4	109.0	109.6	110.2	110.8	111.4	112.0	112.6	113.2
Rancho Mission Viejo	14.7	17.0	20.4	23.8	27.2	30.6	34.0	37.5	40.9	41.1	41.3
Pico	42.2	42.8	43.3	43.8	44.3	44.8	45.4	45.9	46.4	46.9	47.4
San Mateo	35.2	37.0	37.7	38.5	38.9	39.3	39.7	40.0	40.4	40.8	41.2
Laguna Niguel	96.9	96.5	97.0	97.5	98.0	98.4	98.8	99.2	99.6	100.0	100.4
Capistrano	52.0	52.5	53.1	53.6	54.1	54.6	55.2	55.7	56.2	56.7	57.2
Total ¹	435.8	441.5	448.2	455.0	461.3	467.5	473.9	480.2	486.4	489.4	492.4

Source: SDG&E 2014c

Note: ¹ The projections presented in this table are for non-coincident peak loads during a 1-in-10-year heat storm.

Table 3 South Orange County 138/12-kV Substation Peak Loads and Percent Capacity Forecasts for 2024

Substation	Substation Capacity	2024 Peak Load Forecast ¹	2024 Percent Capacity Forecast ¹
Trabuco	120 MW	91.7 MW	76.4%
Margarita	120 MW	113.2 MW	94.3%
Rancho Mission Viejo	60 MW	41.3 MW	68.8%
Pico	60 MW	47.4 MW	79.0%
San Mateo	44 MW	41.2 MW	93.6%
Laguna Niguel	120 MW	100.4 MW	83.7%
Capistrano	60 MW	57.2 MW	95.3%
Totals	584 MW	492.4 MW	84.0%

Source: SDG&E 2014c

Key: MW = megawatts

Note: ¹ The projections presented in this table are for non-coincident peak loads during a 1-in-10-year heat storm.

The following NERC and CAISO standards were identified in the applicant's PEA or in responses to requests for further information from the CPUC: NERC standards TPL-002-0, TPL-003-0, and TPL-004-0, proposed revisions to CAISO's transmission planning standards, and common mode failure standards (CAISO 2014a, SDG&E 2012). This section discusses the applicability of these standards to the proposed project.

NERC Standard TPL-002-0

All components of the applicant's transmission system that connect to the larger electrical grid managed by the CAISO are required to perform as specified in NERC standard TPL-002-0 (NERC 2005a) in the event of a Category B (N-1) contingency (unplanned outage of a single generation or transmission element, e.g., the failure of a single transmission line or single transformer). The standard requires that the applicant design its transmission system such that if a Category B event occurs, electrical load is not shed, i.e., an unplanned blackout does not occur due to the applicant disconnecting transmission system components to avoid overloading and possibly damaging the transmission system. Unplanned load shedding under these circumstances would not be in compliance with NERC standard TPL-002-0.

The applicant's latest load forecast data (Table 2) and the CPUC's analysis of power flow data indicate that construction of the proposed project is not required to avoid Category B events that may require load shedding within the 10-year planning horizon. The CAISO's 2010 and 2011 transmission planning reviews resulted in similar findings: while affirming the need for the proposed project, the CAISO did not identify the potential for noncompliance with mandatory transmission planning standards as an issue (CAISO 2010, 2011a, CAISO 2014c). For these reasons, the ability of the proposed project or an alternative to ensure that the applicant's South Orange County 138-kV system remains in compliance with NERC standard TPL-002-0 does not serve as a useful criterion for the screening of alternatives presented in this report.

NERC Standards TPL-003-0 and TPL-004-0

NERC standard TPL-003-0 addresses transmission system performance following the unplanned outage of multiple transmission elements (Category C events), and TPL-004-0 addresses transmission system performance following an extreme outage event, such as the loss of an entire substation (Category D events) (NERC 2005b, 2005c). These types of contingencies are much less common than the loss of a single generation or transmission element (Category B events). Although some transmission planning components of these standards are mandatory (see TPL-003-0b and TPL-004-0a), the applicant is not required by NERC, WECC, or CAISO to design its transmission system to avoid load shedding during the types of outages addressed by NERC standards TPL-003-0 and TPL-004-0 (CAISO 2011a, NERC 2013c). Category C and D events identified by the applicant and during CAISO's review of the proposed project are important considerations (SDG&E 2012, 2014a, CAISO 2011a); however, construction of the proposed project is not necessary to ensure that the applicant's South Orange County 138-kV system remains in compliance with NERC standards TPL-003-0 and TPL-004-0. For this reason, compliance with NERC standards TPL-003-0 and TPL-004-0 does not serve as a useful criterion for the screening of alternatives presented in this report.

Proposed Revisions to CAISO Transmission Planning Standards

The applicant has indicated that the CAISO's recent draft proposal (also referred to as the straw proposal) for revisions to its transmission planning standards could require the applicant to avoid load shedding after Category C, N-1-1 contingencies starting in 2015. Some of the proposed changes would apply specifically to *High Density Urban Load Areas*, which are *Urbanized Areas* as defined by the United States Census Bureau that also have a population greater than one million persons (CAISO 2014a, 2014b).¹³ According to this definition, it does not appear that the proposed High Density Urban Load Areas standards would apply to the proposed project area in southern Orange County. The proposed project area is within an Urbanized Area defined by the United States Census Bureau as Mission-Viejo-Lake Forest-San Clemente (No. 57709), which has a population of less than 600,000 people (CEC 2007, United States Census Bureau 2010a).

In addition to defining standards for High Density Urban Load Areas, the proposed changes to CAISO's standard for local area long-term planning include provisions for planning on a case-by-case basis for areas not located in High Density Urban Load Areas, such as the applicant's South Orange County service area (CAISO 2014b). The proposed revisions state that case-by-case assessments should take into consideration risk assessment of outages that would activate Special Protection Systems and consider such factors as shared rights-of-way, shared transmission structures and substations, history of fires, restoration time, coordination among parties required to operate pertinent parts of the transmission system, outage history for resources in the area, and other area-specific data (CAISO 2014a, 2014b).

At this time, and prior to adoption of the proposed revisions to CAISO's transmission planning standards, it is unclear to what extent the proposed revisions may be applicable to the proposed project. For the purposes of the CPUC's CEQA review, the proposed revisions to CAISO's transmission planning standards have not yet been adopted and are not considered applicable to the proposed project or alternatives presented in this report. Pursuant to CEQA Guidelines Section 15125, baseline conditions for CEQA review are typically established at the time of circulation of the Notice of Preparation of an EIR. The Notice of Preparation for the proposed project EIR was circulated in 2013. Should the revisions described in the CAISO's 2014 straw proposal be adopted prior to circulation of the Draft EIR, however, the CPUC may elect to reference the adopted revisions in the EIR.

¹³ The United States Census Bureau defines Urbanized Areas as areas with 50,000 or more people (United States Census Bureau 2010b).

Regardless, the CPUC's review of the applicant's power flow and load forecast data indicates that the proposed project and each of the alternatives to be carried forward for further consideration in the EIR would ensure that the South Orange County 138-kV system remains in compliance through the 10-year planning horizon if the CAISO's revisions to the transmission planning standards, as currently proposed, are adopted. For these reasons, the ability of the proposed project or an alternative to ensure that the applicant's South Orange County 138-kV system remains in compliance with the proposed revisions to CAISO's transmission planning standards does not serve as a useful criterion for the screening of alternatives presented in this report.

Planning for Common Mode Failures

In order to further demonstrate a need for the proposed project, the applicant submitted several examples of potential common mode failures in the South Orange County service area to the CPUC for review. The two worst-case common mode failure outages identified by the applicant through the 10-year planning horizon were:

1. Scenario 1: Outage of the Pico–Capistrano 138-kV Line (TL13816) and Pico–Trabuco 138-kV Line (TL13833); and
2. Scenario 2: Outage of the Pico–Talega 138-kV Line (TL13836) and Pico–Talega–San Mateo 138-kV Line (TL13846).

If any of the example common mode failures were to occur, the applicant would be required to shed load to avoid overloading components of their transmission system. The CPUC's review of the applicant's TL13836/TL13846 common mode failure example found that the applicant would be required to shed load in this scenario until reinforcement or remedial action plans are implemented. Shedding load in this instance, however, would likely be allowable and in compliance with NERC, WECC, and CAISO standards for this type of common mode failure. Load shedding in response to events described in the other examples provided by the applicant would also be allowable and in compliance with the standards.

The applicant further indicated that it may not be possible to shed sufficient load quickly enough to protect the South Orange County 138-kV system and maintain compliance with mandatory planning standards for some of the example scenarios provided because of the way their system is currently configured. It is not within the scope of this report to define potential Special Protection Systems or system reconfiguration strategies to address this issue, but each of the alternatives to be carried forward for further consideration in the EIR other than the No Project Alternative would fully mitigate all or the majority of the scenarios identified. The precise number of common mode failure scenarios similar to those identified by the applicant that could still occur after implementation of each alternative remains unclear. However, neither the proposed project nor any of the alternatives would eliminate all possible scenarios that would require load shedding.

For these reasons and based on the latest load forecast data provided by the applicant (Tables 2 and 3), the ability of the proposed project or an alternative to ensure that the applicant's South Orange County 138-kV system remains in compliance with mandatory system performance requirements following a common mode failure does not serve as a useful criterion for comparing any of the alternatives to the proposed project.

1.3 Purpose and Objectives of the Proposed Project

The purpose of the proposed project is to increase reliability of the applicant's South Orange County 138-kV system by reducing the risk of instances that could result in the loss of power to customers through the 10-year planning horizon.

1.3.1 Objectives of the Proposed Project (Developed by the CPUC)

The objectives of the proposed project defined by the CPUC for CEQA review reflect the purpose of the proposed project as described in the PEA and applicant responses to CPUC requests for information (SDG&E 2012). The following three objectives were developed with consideration of the project objectives presented in the PEA (see Section 1.3.2, below) and the outcome of CAISO and CPUC reviews of the proposed project described in Section 1.2. The objectives, as defined by the CPUC, were used as a basis for the development of a reasonable range of alternatives as required by CEQA (see Section 2.2, below). The basic objectives of the proposed project are to:

1. Reduce the risk of instances that could result in the loss of power to customers served by the South Orange County 138-kV system through the 10-year planning horizon;
2. Replace inadequate equipment at Capistrano Substation; and
3. Redistribute power flow of the applicant's South Orange County 138-kV system such that operational flexibility is increased.

Reduce the Risk of Instances that Could Result in the Loss of Power to Customers through the 10-year Planning Horizon

This objective was developed with consideration of the applicant's Objectives I and IV as presented in the PEA (see Section 1.3.2). Loss of power to customers could result from the loss of a transmission line, transformer, power generation facility, or combination of multiple generation or transmission facilities. The loss of one or more generation or transmission facilities could be caused by weather, vehicle accident, or any of a number of natural or human-caused events. The loss of one or more facilities could also be caused by an overload event due to high customer demand. This objective combines elements of the applicant's Objectives I and IV because both objectives describe scenarios that could result in the loss of power to customers.

In drafting this objective, the CPUC first considered the risk of noncompliance with an adopted NERC, WECC, or CAISO transmission planning standard within the 10-year planning horizon. Reviews by both the CAISO and CPUC indicated that the applicant is not at risk for noncompliance with adopted NERC, WECC, or CAISO standards within the 10-year planning horizon (through 2024; see Section 1.2.1). The CPUC then considered other reliability concerns. The reliability issues identified by the CAISO are based on the relatively high number of potential Category C events that would require load shedding and a general concern about the single 230-kV source to the South Orange County 138-kV system (CAISO 2011a, 2014b, 2014c). For the purpose of CEQA review, the CPUC drafted a general objective to reduce instances that could result in the loss of power to customers through the 10-year planning horizon that included elements of the applicant's Objectives I and IV.

Replace Inadequate Equipment at Capistrano Substation

This objective was developed with consideration of the applicant's Objective II as presented in the PEA (see Section 1.3.2). The applicant's Capistrano Substation is approximately 60 years old. To help ensure reliability of electrical service in the San Juan Capistrano area, the applicant proposes to replace aging equipment at the Capistrano Substation and modernize the substation's structural design. The CPUC does not have sufficient data from the applicant to demonstrate which substation equipment is likely to fail within the 10-year planning horizon, and this objective more generally addresses the replacement of substation equipment that can be proven to be inadequate to support the proposed project or one of the project alternatives (if approved for construction).

The replacement of equipment (e.g., transformers) is expected to increase the electrical distribution capacity of Capistrano Substation as well as help ensure substation reliability. It would also allow for the connection of three additional 138-kV transmission lines to the substation.

Redistribute Power Flow of the Applicant's South Orange County 138-kV System Such that Operational Flexibility Is Increased

This objective was developed with consideration of the applicant's Objectives I and III as presented in the PEA (see Section 1.3.2). If a failure were to occur at Talega Substation, power flow could be interrupted to the applicant's South Orange County service area. Currently, Talega Substation is the only substation in South Orange County that is capable of stepping down 230-kV power to 138-kV power, which is required for each of the applicant's 138-kV substations to distribute power to customers in southern Orange County. With the installation of 230/138-kV transformers at Capistrano Substation (i.e., with construction of the proposed San Juan Capistrano Substation) and connection of a new double-circuit 230-kV transmission line, both Capistrano Substation and Talega Substation would be capable of providing power to the entire South Orange County 138-kV system during maintenance or emergency events or to relieve other operational issues with one of the substations. This would increase system reliability and operational flexibility. The connection of two 230-kV source lines to Capistrano Substation and resultant redistribution of power flow within the South Orange County's 138-kV system is illustrated by Figure 3.

1.3.2 Applicant's Stated Objectives

The applicant identified the following five objectives of the proposed project in the PEA:

- I. Provide transmission system reliability;
 - a. Reduce the risk of an uncontrolled outage of all South Orange County load;
 - b. Reduce the risk of a controlled interruption of a portion of the South Orange County load;
 - c. Comply with mandatory North American Electric Reliability Corporation, Western Electric Coordinating Council and California Independent System Operator transmission planning and operations standards;
- II. Rebuild Capistrano Substation to replace aging equipment and increase capacity;
- III. Improve transmission and distribution operating flexibility;
- IV. Accommodate customer load growth in the South Orange County area; and
- V. Locate proposed facilities within existing transmission corridors, SDG&E ROW, and utility owned property (SDG&E 2012).

Elements of applicant Objectives I through IV were integrated into the objectives of the proposed project defined by the CPUC for CEQA review purposes as described in Section 1.3.1. Applicant Objective V was not included in the CPUC's list of objectives. An objective to locate proposed facilities within existing transmission corridors, applicant ROW, and utility-owned property does not identify a specific need for the proposed project and is not applicable as a criterion for comparing the proposed project to alternatives.

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2

Overview of the Alternatives Screening Process

2.1 Alternatives Screening Methodology

Each of the potential alternatives to the proposed project identified by the CPUC for review was screened using the following three-step process:

- Step 1:** Clarify the description of the alternative to allow for comparative evaluation.
- Step 2:** Briefly evaluate the alternative by comparing it with the proposed project and the CEQA requirements for the evaluation of alternatives (Section 2.2, below).
- Step 3:** Determine the suitability of each alternative for full analysis in the EIR based on the results of Step 2. If the alternative is unsuitable, eliminate it from further consideration.

2.2 CEQA Requirements for the Consideration of Alternatives

An important aspect of EIR preparation is the identification and assessment of alternatives to the proposed project that have the potential to avoid or substantially lessen potentially significant effects. In addition to mandating consideration of the No Project Alternative, the CEQA Guidelines (Section 15126.6(e)) emphasize the selection of a reasonable range of feasible alternatives and adequate assessment, which allows decision makers to use a comparative analysis. CEQA Guidelines (Section 15126.6(a)) state:

An EIR shall describe a reasonable range of alternatives to the project, or to the location of the project, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and evaluate the comparative merits of the alternatives. An EIR need not consider every conceivable alternative to a project. Rather it must consider a reasonable range of potentially feasible alternatives that will foster informed decision making and public participation.

To comply with CEQA requirements for the evaluation of alternatives, each alternative identified was evaluated according to three criteria:

1. Would the alternative accomplish most of the basic project objectives?
2. Would the alternative be feasible (from a technological, economic, and legal perspective)?
3. Would the alternative avoid or substantially lessen any significant effects of the proposed project (including whether the alternative itself could create significant effects potentially greater than those of the proposed project)?

2 Overview of the Alternatives Screening Process

The CEQA Guidelines require the consideration of alternatives capable of eliminating or reducing significant environmental effects even though they may “impede to some degree the attainment of project objectives or would be more costly” (Section 15126.6(b)).

2.2.1 Consistency with the Objectives of the Proposed Project

A project’s statement of objectives describes the underlying purpose of the project and the reasons for undertaking the project. The evaluation of the alternatives includes an assessment of each project alternative according to whether it fulfils the objectives.

2.2.2 Feasibility

According to the CEQA Guidelines (Section 15126.6(f)(1)), among the factors that may be taken into account when addressing the feasibility of alternatives include site suitability, economic viability, availability of infrastructure, general plan consistency, other plans or regulatory limitations, jurisdictional boundaries, and proponent control over alternative sites in determining the range of alternatives to be evaluated in the EIR. For the screening analysis, the feasibility of potential alternatives was assessed using the following considerations:

- **Technological Feasibility.** Is the alternative feasible from a technical perspective, considering available technology? Are there any construction, operation, or maintenance constraints that cannot be overcome?
- **Legal Feasibility.** For example, do legal protections on lands preclude or substantially limit the feasibility of constructing high-voltage transmission lines and substations? Do regulatory restrictions substantially limit the feasibility of high-voltage transmission lines and substations? Is the alternative consistent with regulatory standards for transmission system design, operation, and maintenance?
- **Economic Feasibility.** Is the alternative so costly that its costs would prohibit its implementation?

2.2.3 Potential to Avoid or Lessen Significant Environmental Effects

CEQA requires that alternatives to a proposed project have the potential to avoid or substantially lessen one or more significant effects of the project (CEQA Guidelines Section 15126.6). Prior to development of the EIR, it is not possible to identify and evaluate all of the significant effects of the proposed project and alternatives with certainty, and it may not be possible to quantify each effect. For the purposes of alternatives screening, elements of the proposed project and alternatives that could cause a significant environmental effect are identified on a preliminary basis and discussed, to the extent possible, with regard to general conditions in the proposed project area. Table 4 presents a summary of the potentially significant effects of the proposed project. It does not include the detailed analysis that will be included in the EIR.

Table 4 Summary of Potentially Significant Effects of the Proposed Project

Resource Area	Potentially Significant Effects
Aesthetics (Visual Resources)	San Juan Capistrano Substation would present an appearance that would be very different from the current view of the site (primarily, the former utility structure). A wall would be constructed around most of the site, and the height of the buildings within the site would be greater than the current substation profile, affecting views from Camino Capistrano. The appearance of the proposed substation may conflict with community goals for the appearance and design of new structures.

2 Overview of the Alternatives Screening Process

Table 4 Summary of Potentially Significant Effects of the Proposed Project

Resource Area	Potentially Significant Effects
Air Quality	Temporary violations of thresholds for fugitive dust (particulate matter of 10 micrometers or less and 2.5 micrometers or less) may occur during construction of the proposed substation due to the use of heavy construction equipment, grading, travel on unpaved roads, and materials handling. Nitrogen dioxide emitted by heavy construction equipment may also exceed significance thresholds.
Biological Resources	<p>Temporary and permanent effects on sensitive species habitat and designated reserve areas would likely result from construction and operation of the proposed transmission lines and distribution lines.</p> <p>Temporary and permanent effects on federally protected wetlands (e.g., Prima Deshecha Canada or its tributaries) as defined by Section 404 of the Clean Water Act could result from construction and operation activities along proposed Transmission Line Segment 3.</p>
Cultural Resources	The project would result in the demolition of the former utility structure, a potential historic resource.
Hazards and Hazardous Materials (Risk of Wildland Fire)	Increased fire risk could occur on a temporary or permanent basis during construction or operation of the proposed project along Transmission Line Segments 3 and 4, the proposed overhead 12-kV distribution line route, and at Talega Substation, which are within or adjacent to Very High Fire Hazard Severity Zones.
Transportation and Traffic	<p>Potentially significant effects on roadways that operate at substandard levels of service (e.g., Avenida Pico in proximity to Interstate 5 [I-5]) may occur due to construction trips associated with the proposed project and where the proposed 230-kV transmission line would be installed across I-5 and State Route 74 (SR-74).</p> <p>Vista Montana Road serves as the main entrance to San Juan Hills High School and the Rancho San Juan residential community. During peak periods, the four-lane roadway becomes highly congested. Installation of the proposed 230-kV transmission line underground within Vista Montana Road would require closure of two of the four lanes for approximately 8 months. This would result in a temporary but potentially significant effect with regard to level of service and emergency access.</p>
Noise	Temporary effects on nearby sensitive receptors could result from construction equipment and activities, including helicopter use that would exceed local noise standards, substantially increase temporary ambient noise levels, and generate substantial groundborne vibrations during construction.
Growth Inducement	CEQA Guidelines Section 15126.2, "Consideration and Discussion of Significant Environmental Impacts," states in part (d) that projects that would remove obstacles to growth (such as a major expansion of a waste water treatment plant) might allow for more construction in service areas. The additional construction may, subsequently, tax existing community service facilities, requiring the construction of other new facilities that could cause significant environmental effects. Similarly, the proposed project would add a substantial amount of electrical capacity to the South Orange County 138-kV system. The amount of capacity added may not be required to accommodate demand forecast by the applicant through 2024 (SDG&E 2014c). The surplus electrical capacity may remove an obstacle for growth beyond forecast levels in the South Orange County service area and may, indirectly, induce growth.

2 Overview of the Alternatives Screening Process

Table 4 Summary of Potentially Significant Effects of the Proposed Project

Resource Area	Potentially Significant Effects
Cumulative Effects	<p>Construction of the proposed project could result in a temporary, cumulatively considerable net increase in particulate matter and nitrogen dioxide emissions, and may result in effects on traffic. Known projects, the construction of which may overlap with construction of the proposed project (and which may contribute to a potentially significant air quality or traffic impact), include the following:</p> <ul style="list-style-type: none">• La Pata Avenue Gap Closure and Camino Del Rio Extension;• SR-241 Tesoro Extension (Oso Parkway to North of SR-74); and• SR-241 Extension in Full (Oso Parkway to I-5).

Sources: CALFIRE 2011, Orange County Public Works 2014, Orange County Transportation Authority 2013, SDG&E 2012, 2014c
Transportation Corridor Agencies 2013a, 2013b

Key:

LOS F = Level of Service F. There are six LOSs with letter designations ranging from A to F. LOS A represents the best operating conditions from the traveler's perspective (i.e., free flow with little delay), and LOS F represents the worst conditions from the traveler's perspective (i.e., heavy congestion and long delays) (TRB 2010).

3

Alternative Descriptions and Screening Evaluation

This section describes each of the alternatives identified by the CPUC and explains why they were retained for further consideration in the EIR or eliminated. If the results of the screening analysis showed that a potential alternative would be unable to meet most of the project objectives, would be infeasible, or would not avoid or substantially lessen a potentially significant effect of the proposed project, it was eliminated from further consideration. Each alternative determined to meet the CEQA requirements for the evaluation of alternatives (Section 2.2, “CEQA Requirements for the Consideration of Alternatives”) was retained for further consideration in the EIR. The following alternatives are evaluated in this report:

- Alternative A: No Project
- Alternative B1: Reconductor Laguna Niguel–Talega 138-kV Line
- Alternative B2: Use of Existing Transmission Lines (Additional Talega–Capistrano 138-kV Line)
- Alternative B3: Phased Construction of Alternatives B1 and B2
- Alternative B4: Rebuild South Orange County 138-kV System
- Alternative C1: SCE 230-kV Loop-in to Capistrano Substation
- Alternative C2: SCE 230-kV Loop-in to Capistrano Substation Routing Alternative
- Alternative D: SCE 230-kV Loop-in to Reduced-Footprint Substation at Landfill
- Alternative E: New 230-kV Talega–Capistrano Line Operated at 138 kV
- Alternative F: 230-kV Rancho Mission Viejo Substation
- Alternative G: New 138-kV San Luis Rey–San Mateo Line and San Luis Rey Substation Expansion
- Alternative H: New 230-kV Line from Escondido to Capistrano
- Alternative I: Other Substation Alternatives

Although not required by mandatory standards to mitigate the risk of load shedding after Category C events, the proposed project and each of the alternatives to be carried forward for further consideration in the EIR would ensure that load shedding is not required for the majority of the potential Category C events identified (Alternatives A through G). Construction of the proposed project, for example, would eliminate the risk of all but two of the Category C events that the applicant identified could require load shedding through 2024 (SDG&E 2012, 2014a).

3 Alternative Descriptions and Screening Evaluation

CAISO's transmission plans published from 2008 through 2011 indicate that Special Protection Systems and 138-kV line reconductoring would likely be effective mitigation for a number of the Category C events identified by the applicant. Some reconductoring projects considered by the CAISO and included in the applicant's PEA (SDG&E 2012) as potential project alternatives are considered as components of some of the alternatives described in this report (see Alternatives B1, B3, and B4). The CAISO's additional reliability concerns regarding the single source of 230-kV power from Talega Substation that currently supplies the South Orange County 138-kV system are also addressed by several of the alternatives. The need for an additional 230-kV source is the basis of one of the project objectives defined by the CPUC (see Section 1.3.1). Alternatives to the proposed project described in this report would meet this objective by interconnecting with SCE 230-kV transmission facilities (Alternatives C1, C2, and D) or upgrading Rancho Mission Viejo Substation and connecting it to a new double-circuit 230-kV line from Talega Substation (Alternative F).

3.1 Alternatives to Transmission Facilities

Pursuant to California Public Utilities Code Section 1002.3, the CPUC must consider cost-effective alternatives to transmission facilities that meet the need for an efficient, reliable, and affordable supply of electricity. Alternatives A, B1, B2, and B3 discussed in this report are considered alternatives to transmission facilities pursuant to California Public Utilities Code Section 1002.3 because they include methods for meeting project objectives that would not require new transmission facilities that would operate at voltages equal to or greater than 200 kV and would incorporate energy conservation and efficiency improvement measures. Alternative A would not include the construction of new or upgraded transmission lines. Alternatives B1, B2, and B3 would reductor existing 138-kV transmission lines or, to the extent feasible, make use of transmission lines that are currently not in use. It is anticipated that each of these alternatives could be constructed with minimal structure replacement but further data from the applicant are required to make this determination. Existing, unused transmission facilities and rights-of-way (ROWs) would be used under Alternative B2.

Alternatives A, B1, B2, and B3 include cost-effective demand-side alternatives, e.g., targeted energy efficiency, demand reduction measures (demand response and load management), and local generation, that may be implemented within the 10-year planning horizon. Local generation refers to small-scale, customer-level distributed generation resources within an electrical service area, e.g., rooftop solar photovoltaic (PV) generation on single-family homes. Alternatives to transmission facilities may include other types of distributed generation installations (e.g., rooftop solar PV generation on commercial facilities, combined heat and power units, and biomass facilities as well as small wind and other small-scale, often community-based facilities; CEC 2009) and larger-scale renewable and conventional generation facilities (e.g., solar fields and natural gas power plants).

3.2 Alternative A – No Project

Alternative A is identified as the No Project Alternative in this report. CEQA requires that a No Project Alternative be considered in EIRs (CEQA Guidelines Section 15126.6(e)). The No Project Alternative is the circumstance under which the proposed project does not proceed (CEQA Guidelines Section 15126.6(e)(3)(B)). The purpose of describing and analyzing a No Project Alternative is to allow decision-makers to compare the effects of approving the proposed project with the effects of not approving the proposed project.

3 Alternative Descriptions and Screening Evaluation

The components of the No Project Alternative described in this report were defined by the CPUC with input from the applicant. Regardless of whether the proposed project is constructed, it is reasonably foreseeable that the following would occur prior to 2018 (SDG&E 2012, CAISO 2014d):

- Talega Substation's STATCOM would be replaced; and
- Between 2015 and the end of 2017, two new, dynamic synchronous condensers (approximately 700 MVARs at 230 kV)¹⁴ would be installed in locations within the South Orange County service area as approved by the CAISO to provide additional reactive power support in the proposed project area.

The applicant would replace the STATCOM at the Talega Substation because the original STATCOM was a prototype model that is now obsolete. The existing and planned STATCOM units are connected to the applicant's 138-kV transmission system (SDG&E 2012). In addition, the CAISO approved the installation of two, new dynamic synchronous condensers as part of the South Orange County Dynamic Reactive Support and Talega Area Dynamic Reactive Support reliability projects (CAISO 2013b). One dynamic synchronous condenser would be installed at Talega Substation and the other would be installed at or in proximity to the San Onofre Nuclear Generating Station (SONGS) switchyard. The two dynamic synchronous condensers would be connected to the applicant's 230-kV transmission system. Their installation was approved by the CAISO in 2013, primarily because of the retirement of SONGS. According to CAISO technical study results, the retirement of SONGS may cause voltage reduction issues on the 230-kV transmission systems that transmitted power generated at SONGS (CAISO 2013b, 2014d).

No other improvements to the applicant's 138-kV and 230-kV transmission systems in addition to the STATCOM and dynamic synchronous condenser installations are included as part of the No Project Alternative. It is assumed, however, that energy efficiency improvements and energy generation installations that would incrementally reduce load on SDG&E's South Orange County 138-kV system will continue to be implemented throughout the 10-year planning horizon. The following energy efficiency and generation discussion is organized into two sections: (1) Demand-Side Management and Energy Conservation Programs; and (2) Distributed and Renewable Generation. The No Project Alternative described in this report is considered an alternative that meets the CPUC's requirements for consideration of cost-effective alternatives to transmission facilities as described in Section 3.1, "Alternatives to Transmission Facilities."

Demand-Side Management and Energy Conservation Programs

Demand management and energy conservation programs are demand-side response programs designed to shift energy use to off-peak times and/or reduce overall energy use, and can include the installation of high-efficiency appliances (e.g., efficient heating and cooling systems and energy-efficient lighting), the installation of insulation and weatherization, and customer behavior changes (e.g., customers that turn off lights more frequently because of increased customer awareness of their electrical usage).

Greater than 99 percent of the applicant's customers within South Orange County have smart meters, which can record hourly electricity consumption and allow customers to reduce their demand for higher-priced energy during peak periods, and also allow customers to participate in SDG&E's Summer Saver Program. The applicant continues to deploy them to existing customers and installs them on all newly constructed facilities as part of their normal business practice. Both the Summer

¹⁴ A dynamic synchronous condenser, similar to a STATCOM, is type of device used to optimize the power transfer capability of AC transmission systems. Dynamic synchronous condensers are another option for regulating reactive power.

3 Alternative Descriptions and Screening Evaluation

Saver Program and the applicant's commercial-customer Technical Assistance and Technology Incentives Program are designed to reduce peak electrical demand (SDG&E 2012).

To the extent that demand-side management and energy efficiency programs have been adopted by customers, the effects are reflected in the measured peak demand recorded annually for the South Orange County service area. While demand has decreased since 2007 as discussed in Section 1.2.2 and shown in Figure 5, the applicant's data do not suggest that increased program participation has substantially contributed to the reduction. Applicant data from 2010 to 2014 indicate that less than 1 MW is saved annually from customer participation in the Summer Saver and Technical Assistance and Technology Incentives programs. The applicant's data do not suggest that increases in program participation are expected in the coming years. The number of customers participating in the Summer Saver Program, for example, has decreased each year since 2010 (SDG&E 2012). Further, the data do not indicate that increased program participation through the 10-year planning horizon, should it occur, would substantially affect the applicant's current or future load forecasts (SDG&E 2012). A single megawatt of annual reduction in annual demand is minor with respect to the recorded peak demand for South Orange County's 138-kV system, which has exceeded 400 MW each year since 2006 (Figure 5).

Distributed and Renewable Generation

Additional conventional generation systems (e.g., large-scale natural-gas powered electrical generation facilities) installed within the applicant's South Orange County service area that would be considered distributed generation facilities are relevant in the evaluation of project alternatives to the extent that they would reduce forecast demand on components of the South Orange County 138-kV system. The applicant does not anticipate, however, that new, conventional generation systems will be installed within their South Orange County service area within the 10-year planning horizon because of community resistance and a lack of available land (SDG&E 2012). The applicant cites, as an example, the Wellhead Power Margarita, LLC project, a 2008 proposal for a 46 MW natural-gas powered generation "peaker" plant that would have been located in the South Orange County service area and would have only generated electricity during peak demand periods. The plant, proposed to be constructed in proximity to the Ladera Ranch development (a residential community of approximately 8,000 homes), was withdrawn due to local opposition (Orange County Register 2008, SDG&E 2012).

Conventional and renewable generation sources that may be installed outside the applicant's South Orange County service area would not serve to reduce demand on the South Orange County 138-kV system such that the overloads projected by the applicant would not occur. For new generation sources to have the potential to significantly reduce demand on the applicant's transmission system, they must be installed near the load source and connected to the applicant's electrical system at either distribution or transmission voltages.

Rooftop Solar

Small-scale distributed generation, such as rooftop solar panels and fuel cell systems, have the potential to appreciably reduce demand on the applicant's electrical system. The applicant includes projected increases in distributed generation in its load forecasts in that their forecasts are based on the annual forecasts prepared by the California Energy Commission, and the California Energy Commission includes new sources of rooftop solar and other customer-side generation in their forecasts, as well as projected increases in energy conservation and efficiency and increases in distributed generation.

The applicant estimates that the combined annual capacity of small-scale solar generation facilities and fuel cell systems within their South Orange County service area as of May 2014 is 12.6 MW,

3 Alternative Descriptions and Screening Evaluation

which satisfies roughly 3 percent of the annual demand on applicant's approximately 450 MW South Orange County 138-kV system. This estimate includes customers that participate in the applicant's Net Energy Metering program. Net Energy Metering allows a customer-generator (e.g., a family home with rooftop solar installed) to receive financial credit for power generated by their onsite system and fed back into the utility's electrical system (CPUC 2014). Participation in the Net Energy Metering program within South Orange County has increased rapidly in the past few years as shown in Figure 6. The applicant's data indicate that the increased number of customer-generators and total generation capacity¹⁵ associated with the Net Energy Metering program within the South Orange County service area has increased at an accelerated pace in the last 10 years (Figures 7a and 7b).

The latest data provided by the applicant indicate that rooftop solar installations are likely to continue to reduce peak demand on the applicant's transmission system during the 10-year planning horizon (Figures 6, 7a, and 7b).

Consideration of CEQA Requirements for the Evaluation of Alternatives

Project Objectives

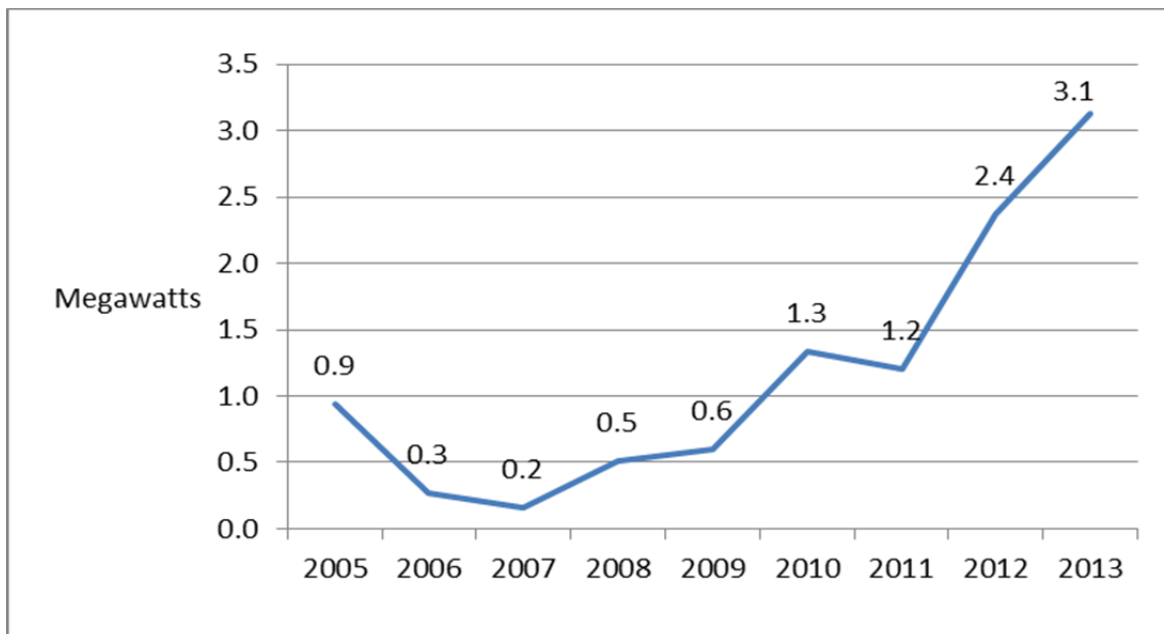
The CPUC's review of applicant data indicates that, if the rate of new rooftop solar and fuel cell installation continues to increase at or near the pace indicated in Figures 7a and 7b, the No Project Alternative would at least partially meet Objective 1. This alternative would meet Objective 2 because the applicant would be able to replace inadequate substation equipment as needed without increasing the footprint or voltage of Capistrano Substation. This alternative would not meet Objective 3 because power flow within the applicant's South Orange County 138-kV system would not be redistributed as part of the No Project Alternative.

The anticipated STATCOM and dynamic synchronous condenser installations would address voltage issues on the applicant's 138-kV and 230-kV systems, but would not substantially reduce the risk of instances that could result in the loss of power to customers served by the South Orange County 138-kV system through the 10-year planning horizon. The installations may extend the period during which load shedding may be used to address contingency events for 6 months to a year or more, but would not ensure that these scenarios do not occur through the entire 10-year planning horizon.

According to data provided by the applicant, anticipated energy efficiency and conservation improvements that may occur during the planning horizon may further extend the period during which load shedding may be used to address contingency events, but not substantially. In addition, ongoing increases in the use of energy-efficient new homes and appliances are anticipated to continue to address some of the growth in electrical demand (USEIA 2014). Also, due to local opposition and the lack of available land, the applicant anticipates that new generation sources within the South Orange County service area would not be constructed within the planning horizon.

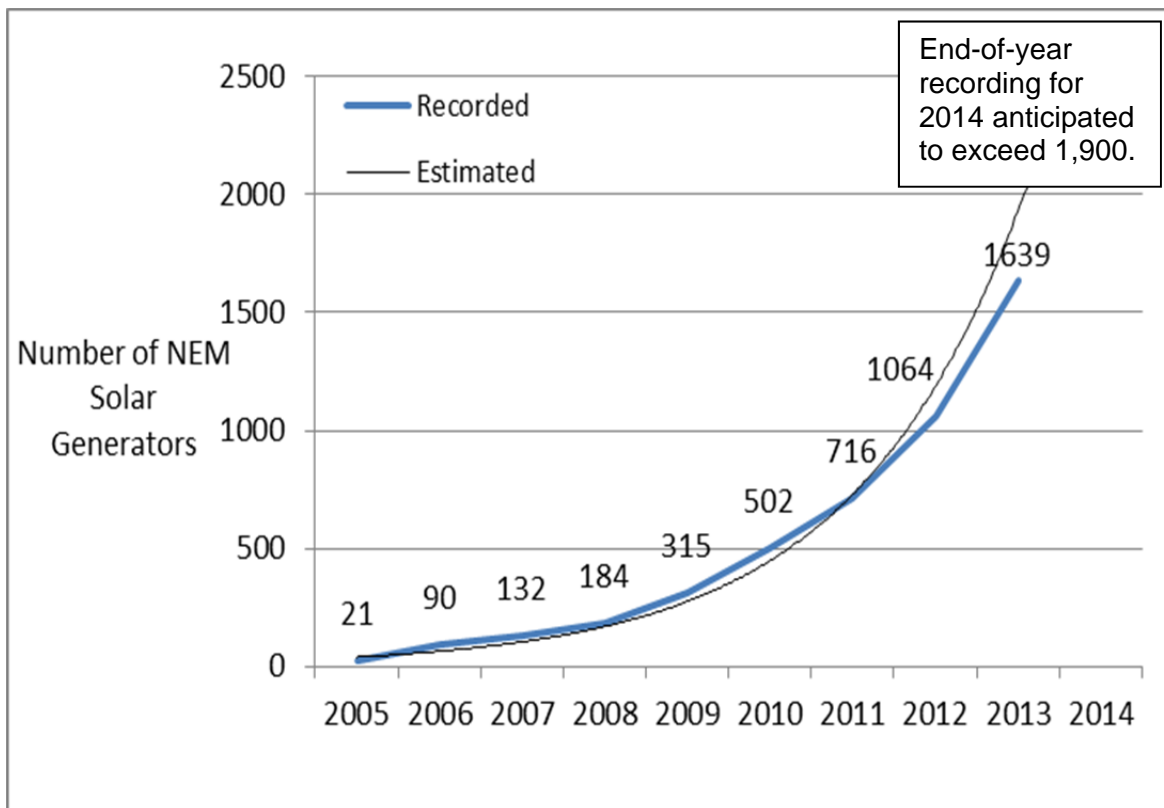
¹⁵ The generation capacity data provided by the applicant refer to the nameplate capacity (i.e., intended design capacity) of installed rooftop solar-generation equipment. The applicant is not able to report the specific amount of power provided by Net Energy Metering program participants with rooftop solar installations. Regardless, Net Energy Metering program generation is accounted for in the South Orange County 138-kV system's recorded peak load and, thus, is reflected in the applicant's system-wide load forecasts.

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Source: SDG&E 2014d

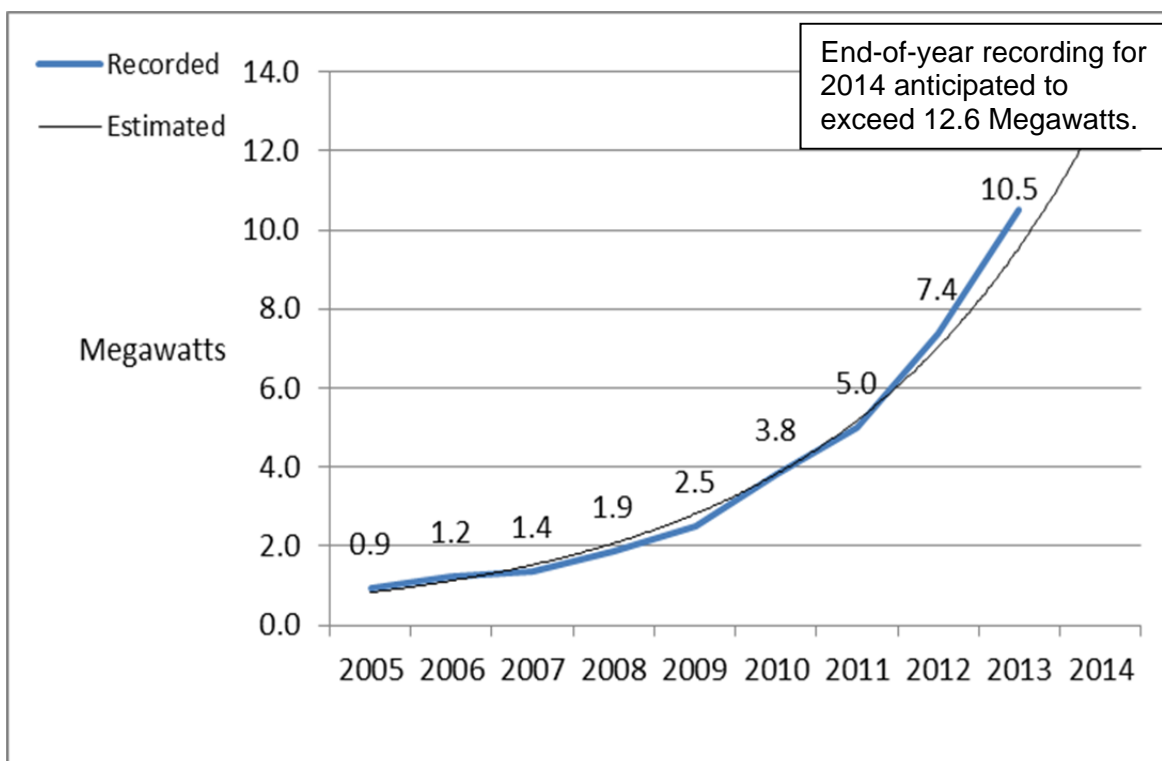
Figure 6 Nameplate Solar Generation Capacity Added Annually to SDG&E's South Orange County Service Area (2005-2013)



Source: SDG&E 2014d

Note: The number of Net Energy Metering (NEM) solar generators as of May 2014 was 1,990.

Figure 7a Number of Solar Generators in SDG&E's South Orange County Service Area (2005-2013)



Source: SDG&E 2014d

Note: Net Energy Metering solar generation capacity was 12.6 megawatts as of May 2014.

Figure 7b Total Nameplate Solar Generation Capacity in SDG&E's South Orange County Service Area (2005–2013)

Although increased Net Energy Metering program participation and rooftop solar installations (Figures 6, 7a, and 7b) in South Orange County have satisfied some demand on the South Orange County 138-kV system and are expected to continue to address demand, at this time it is unclear whether the amount of future reductions in demand may be sufficient to satisfy Objective 1. Nationwide, the cost of PV solar panels is anticipated to continue to decrease, and the total amount of solar power generation is expected to increase through the 10-year planning horizon. Solar energy generation is projected to increase by 7.5 percent per year through 2040 nationwide almost exclusively as a result of increased PV capacity in both the utility-side and customer-side sectors (USEIA 2014). While installations of rooftop solar panels are expected to reduce demand on electrical systems, they are not projected to have a substantial effect nationwide through 2024 because electricity from rooftop solar and similar distributed generation sources are only expected to account for a relatively small percentage of total electricity use (USEIA 2014).

The CPUC's review of the applicant's power flow data indicates that, under the conditions specified for the No Project Alternative, load shedding could be used to address a number of contingency events through 2024, although not all contingency events could be addressed.¹⁶ Therefore, based on available data, the No Project Alternative would partially meet Objective 1, but it is unclear to what extent, specifically, it would meet Objective 1 through the 10-year planning horizon.

¹⁶ In addition to the STATCOM and dynamic synchronous condenser installations, the CPUC assumed that various, existing capacitor banks at substations within the South Orange County 138-kV system would be turned on such that reactive power support would be further enhanced should the loss of a transmission or generation element occur.

Feasibility

The No Project Alternative is considered feasible from a technological, legal, and economic perspective.

Environmental Advantages

No new transmission facilities would be constructed as part of the No Project Alternative. Each of the potentially significant effects associated with the proposed project would be avoided.

Environmental Disadvantages

No environmental disadvantages associated with the No Project Alternative in comparison to the proposed project are anticipated.

Conclusion

RETAINED. Alternative A would be feasible and reduce potentially significant environmental effects but may not meet most of the basic project objectives. Regardless, the No Project Alternative is retained for further consideration in the EIR because analysis of the No Project alternative is required by CEQA. In addition, the No Project Alternative would not increase capacity of the South Orange County 138-kV system and, hence, would not induce growth.

3.3 Alternative B1 – Reconductor Laguna Niguel–Talega 138-kV Line

Under Alternative B1, which was identified by the CPUC, a segment of the Laguna Niguel–Talega 138-kV Line (TL13835) would be reconducted with conductor of a comparable size but higher capacity, such as Aluminum Conductor Steel Supported (ACSS) or similar. ACSS has a higher operating temperature and greater resistance to overload than other types of comparably-sized conductor, such as Aluminum Conductor Steel Reinforced (ACSR) (Southwire 2014). The use of ACSS or similar high-capacity conductor would allow for high power transfer (e.g., 273 MVA) in comparison to the existing 138-kV line's 136 MVA rating.¹⁷

Under this alternative, a 138-kV segment (approximately 7.8-miles long; Figure 8) from Capistrano Substation to Talega Substation would be reconducted. Reconducting would occur along the same transmission line route (Segments 1b to 4) as the proposed project (Figure 3). In addition, an approximately 2.5-mile-long segment of transmission line (TL13835) from Laguna Niguel Substation would be tied into Capistrano Substation (but would not require reconducting) at a location adjacent to the substation to create a new Laguna Niguel–Capistrano 138-kV Line under this alternative. Some structures may need to be replaced during reconducting. Equipment at Capistrano Substation found to be inadequate would also be replaced.

This alternative includes the assumption that the CAISO-approved installation of reactive power support equipment and anticipated increase in rooftop solar installations within South Orange County as described under Alternative A would take place. Alternative B1 would meet the CPUC's requirements for consideration of cost-effective alternatives to transmission facilities as described in Section 3.1.

¹⁷ Transmission line TL13835's existing ACSR conductor has a diameter of 336 kcmil. A circular mil (cmil) is a standard unit of measure used for electrical systems that refers to the area of the cross section of conductor. One cmil is equal to the area of a circle with a 1-mil diameter, and 1 kcmil is equal to 1,000 cmils. Large conductor sizes rated for use on electrical transmission lines are generally 0.6-inches to 2-inches in diameter. ACSR 336-kcmil conductor is approximately 0.7-inches in diameter (Grigsby 2001).









<ul style="list-style-type: none">  Replace inadequate equipment at substation  Existing 230-kV substation  Existing 138-kV substation  Existing Talega to Capistrano area transmission lines (SDG&E)  Reconductor or energize unused transmission lines 	<ul style="list-style-type: none">  Relocate 12-kV distribution line as proposed CAISO California Independent System Operator SDG&E San Diego Gas & Electric Company MVAR Megavolt Ampere Reactive power kV kilovolt (= 1000 volts) 	<p>* Under Alternative B3, either Alternative B1 or B2 or both (if needed) would be constructed.</p>
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Figure 8

138-kV Reconductoring and Use of Existing Transmission Lines Alternatives B1, B2 and B3*

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The applicant proposed a reconductoring project similar to Alternative B1 to the CAISO in 2010 and 2011 to address a forecast overload of TL13835 due to a potential Category B (N-1) event caused by the loss of the Talega–Pico 138-kV Line (TL13836). In 2011, the CAISO recommended the reconductoring project be evaluated in the future because the overload identified would be only by 1 percent. The CAISO also noted that TL13835 might be upgraded as part of the version of the proposed project presented to the CAISO at that time (CAISO 2010, 2011a).

Consideration of CEQA Requirements for the Evaluation of Alternatives

Project Objectives

This alternative would meet project Objectives 1 and 2 as defined in Section 1.3.1, but would not redistribute power flow of the applicant’s South Orange County 138-kV system (Objective 3). The CPUC’s analysis of the applicant’s power flow and latest load forecast data indicate that Alternative B1 would ensure each of the potential Category C (N-1-1) contingencies identified by the applicant and CAISO (Section 1.2.1) would be avoided through the 10-year planning horizon (Objective 1).¹⁸ Equipment at Capistrano Substation found to be inadequate would be replaced (Objective 2).

The ability of this alternative to meet Objective 1 through the 10-year planning horizon is enhanced by the CAISO-approved installation of reactive power support equipment and the anticipated increase in rooftop solar installations within South Orange County described under Alternative A. With respect to Objective 1, it should also be noted that the precise number of potential overload scenarios that this alternative would address in comparison to the proposed project remains unclear. Regardless, neither this alternative nor the proposed project would address all of the potential overload scenarios identified by the applicant (see also Section 1.2.2 under the subheading, “Planning for Common Mode Failures”).

Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective.

Environmental Advantages

Under this alternative, no new 230-kV line would be installed, nor would the San Juan Capistrano substation be constructed. The use of high-capacity conductor would likely reduce the number of support structures that would be required to be replaced for 138-kV line reconductoring. It is assumed that conductor (138 kV) would not need to be replaced in the existing underground conduit along Vista Montana Road because the existing underground conductor has sufficient capacity (273 MVA or greater) to connect to a new higher-capacity overhead line. If this is not the case, potentially significant effects on traffic along Vista Montana Road would still be reduced because new conductor could be pulled into the existing underground conduit, which would not require trenching. Potentially significant effects on all other resource areas identified in Table 4 would also be reduced, in large part because the size of the project area and total area of construction disturbance would be reduced. Impacts to aesthetic and cultural resources at the Capistrano Substation site would not occur under this alternative.

¹⁸ The latest power flow data provided by the applicant were based on outdated load forecast data. For example, the load forecast assumptions in the power flow data estimated that by 2017, load on the South Orange County 138-kV system could reach approximately 511.5 MW as measured at Talega Substation. The applicant’s latest load forecast indicates that loads would only reach approximately 455.0 MW in 2017 (Table 2). Evaluation of potential contingency events using the higher load forecast indicates there may be a contingency under which Alternative B1 may not be sufficient to avoid a potential transmission line overload without the installation of ACSS or comparable high-capacity conductor rated for higher throughput, e.g., approximately 300 MVA instead of 270 MVA. Evaluation of potential contingency events using the more recent load forecast (SDG&E 2014c) indicates there would be no such contingency event for Alternative B2.

Environmental Disadvantages

No environmental disadvantages associated with this alternative in comparison to the proposed project are anticipated.

Conclusion

RETAINED. Alternative B1 is potentially feasible, would meet most of the basic project objectives, and would reduce each of the potentially significant effects of the proposed project identified in Table 4. Therefore, this alternative is retained for further consideration in the EIR. In addition, this alternative would increase capacity of the South Orange Couth 138-kV System substantially less than the proposed project because a new 230-kV source would not be constructed. It is not anticipated that Alternative B1 would induce growth.

3.4 Alternative B2 – Use of Existing Transmission Lines (Additional Talega–Capistrano 138-kV Line)

Under this alternative, which was identified by the CPUC, an existing 138-kV transmission line currently operated as a distribution line (12-kV circuit 315) and an unused transmission line would be connected and energized at 138 kV. The existing 138-kV line extends approximately 3 miles from Capistrano Substation southeast to the San Juan Hills High School area. The other transmission line, which is assumed to be an unused 66-kV or 69-kV line, extends from the San Juan Hills High School approximately 4.8 miles south to Talega Substation. Sections of the transmission line were identified as unused by the applicant during the CPUC’s October 16, 2012 site visit. At that time, the applicant indicated that they planned to remove the line at a future date but not as part of the proposed project.

For this alternative, the existing 66-kV/69-kV line’s conductor would be replaced with higher-capacity but comparably sized conductor (e.g., ACSS) if needed. Replacement of the existing wood structures may also be required. Reconductoring, if required, would occur along the same transmission line route (Segments 1b to 4) as the proposed project (Figure 3). The new Talega–Capistrano 138-kV Line would have a capacity of approximately 270 MVA depending on whether reconductoring is required and the type of conductor installed. In addition, equipment at Capistrano Substation found to be inadequate as described in Section 1.3.1 would be replaced.

Under this alternative, the operation of 12-kV distribution circuit 315 at 138-kV would necessitate the additional installation of a new, distribution line route, which would be identical to the distribution component of the proposed project. This alternative also assumes that the CAISO-approved installation of reactive power support equipment and anticipated increase in rooftop solar installations within South Orange County as described under Alternative A would take place. Alternative B2 would meet the CPUC’s requirements for consideration of cost-effective alternatives to transmission facilities as described in Section 3.1.

Consideration of CEQA Requirements for the Evaluation of Alternatives Project Objectives

As for Alternative B1, Alternative B2 would meet project Objectives 1 and 2 as defined in Section 1.3.1 but would not redistribute power flow of the applicant’s South Orange County 138-kV system (Objective 3). The ability of this alternative to meet Objective 1 through the 10-year planning horizon is enhanced by the CAISO-approved installation of reactive power support equipment and anticipated increase in rooftop solar installations within South Orange County described under Alternative A.

Assuming that the existing 66-kV/69-kV line is reconductored and the new 138-kV line described under Alternative B2 would have a capacity of approximately 270 MVA, results from the CPUC’s preliminary analysis of SDG&E’s power flow data indicate that this alternative would avoid the two

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worst-case common mode failure outages identified by the applicant through the 10-year planning horizon. The two scenarios evaluated were:

1. Scenario 1: Outage of the Pico–Capistrano 138-kV Line (TL13816) and Pico–Trabuco 138-kV Line (TL13833); and
2. Scenario 2: Outage of the Pico–Talega 138-kV Line (TL13836) and Pico–Talega–San Mateo 138-kV Line (TL13846).

The analysis found that if either of these scenarios were to occur, the heaviest load on a component of the applicant’s South Orange County 138-kV system would be on the new 138-kV line that would be installed as part of this alternative. The load would be, at most, 90 percent of the new 138-kV line’s estimated 270 MVA capacity if either of these scenarios were to occur prior to 2028. The analysis also found that this alternative would ensure that none of the Category C (N-1-1) events identified would occur through the 10-year planning horizon. The results of this analysis reinforce the conclusion that Alternative B2 would meet Objective 1.¹⁹

Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective.

Environmental Advantages

Each of the advantages described for Alternative B1 would also apply to this alternative.

Environmental Disadvantages

For this alternative, distribution circuit 315 (12-kV) would be relocated similar to the proposed project; this would not be required under Alternative B1. Trenching and pole replacement would be required for the relocation of distribution circuit 315 as described in Section 1.1.2, resulting in impacts (e.g., on air quality, biological resources, and other resource areas) that could be greater than those that would occur under Alternative B1, because the total area of disturbance would be larger. In comparison to the proposed project, however, no environmental disadvantages associated with this alternative are anticipated.

Conclusion

RETAINED. Alternative B2 is potentially feasible, would meet most of the basic project objectives, and would reduce each of the potentially significant effects of the proposed project identified in Table 4. Therefore, this alternative is retained for further consideration in the EIR. In addition, this alternative would increase capacity of the South Orange Couth 138-kV System substantially less than the proposed project because a new 230-kV source would not be constructed. It is not anticipated that Alternative B2 would induce growth.

3.5 Alternative B3 – Phased Construction of Alternatives B1 and B2

Under this alternative, which was identified by the CPUC, the construction of either Alternative B1 or B2, or the construction of both alternatives would occur. The construction of both alternatives would only occur if necessary to address potential overload events that may be forecast by future transmission planning studies.

If, under this alternative, the components described under Alternative B2 were to be constructed first, the existing 138-kV line (TL13835) could continue operation while these initial components were

¹⁹ The applicant power flow data evaluated by the CPUC were for 2017–2027, assumed that the proposed project was not constructed, and assumed a growth rate of approximately 5.7 MW of electrical demand per year on the South Orange County 138-kV system.

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constructed. There would be minimal, if any, impact on the South Orange County 138-kV system during construction, which would likely result in fewer service disruptions than would otherwise occur. If the components described under Alternative B1 are constructed first (reconductoring of TL13835), the existing 138-kV transmission line (currently operated at 12 kV) and unused 66-kV/69-kV transmission line could potentially be operated at 138 kV during reconductoring of TL13835 to ensure continuous electrical service is maintained, which could result in fewer disruptions in service.

It is unclear at this time whether the 2.5-mile-long segment of TL13835 from Laguna Niguel Substation would be required to be tied into Capistrano Substation as described under Alternative B1 if this alternative is constructed. This alternative includes the assumption that the CAISO-approved installation of reactive power support equipment and anticipated increase in rooftop solar installations within South Orange County as described under Alternative A would take place. Alternative B3 would meet the CPUC's requirements for consideration of cost-effective alternatives to transmission facilities as described in Section 3.1.

Consideration of CEQA Requirements for the Evaluation of Alternatives

Project Objectives

This alternative would meet project Objectives 1 and 2 as defined in Section 1.3.1, but would not redistribute power flow of the applicant's South Orange County 138-kV system (Objective 3). Equipment at Capistrano Substation found to be inadequate would be replaced (Objective 2), and the construction of either the components described under Alternative B1 or those described under Alternative B2 would be sufficient to meet Objective 1. The CPUC's review of the applicant's power flow data indicates that each of the various Category C (N-1-1) contingencies identified by the applicant and CAISO (Section 1.2.1) would be avoided through the 10-year planning horizon under this alternative. The combined construction of the components of Alternatives B1 and B2 would extend the period during which Category C contingencies would not occur further than if only one of the two alternatives were constructed.

The ability of this alternative to meet Objective 1 through the 10-year planning horizon is enhanced by the CAISO-approved installation of reactive power support equipment and anticipated increase in rooftop solar installations within South Orange County described under Alternative A.

Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective.

Environmental Advantages

Each of the advantages described for Alternative B1 would also apply to this alternative. No new 230-kV line would be installed, and the San Juan Capistrano Substation would not be constructed. The use of high-capacity conductor that is of a comparable size to the existing conductor would likely reduce the number of support structures that may need to be replaced for 138-kV line reconductoring. It is assumed that conductor would not need to be replaced in the existing underground conduit (138 kV) along Vista Montana Road because the existing underground conductor has sufficient capacity (273 MVA or greater) to connect to a new higher-capacity overhead line. If this is not the case, potentially significant effects on traffic along Vista Montana Road would still be reduced because new conductor could be pulled into the existing underground conduit, which would not require trenching. Potentially significant effects on other resource areas identified in Table 4 would also be reduced.

Environmental Disadvantages

The environmental disadvantages of Alternative B2 would also apply to this alternative if Alternative B2 is selected for construction and distribution circuit 315 (12-kV) is relocated as described for the proposed project. Trenching and pole replacement would be required for the relocation of distribution

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circuit 315 as described in Section 1.1.2. In comparison to the proposed project, however, no environmental disadvantages associated with this alternative are anticipated.

Conclusion

RETAINED. Alternative B3 is potentially feasible, would meet most of the basic project objectives, and would reduce each of the potentially significant effects of the proposed project identified in Table 4. Therefore, this alternative is retained for further consideration in the EIR. In addition, this alternative would increase capacity of the South Orange Couth 138-kV System substantially less than the proposed project because a new 230-kV source would not be constructed. It is not anticipated that Alternative B3 would induce growth.

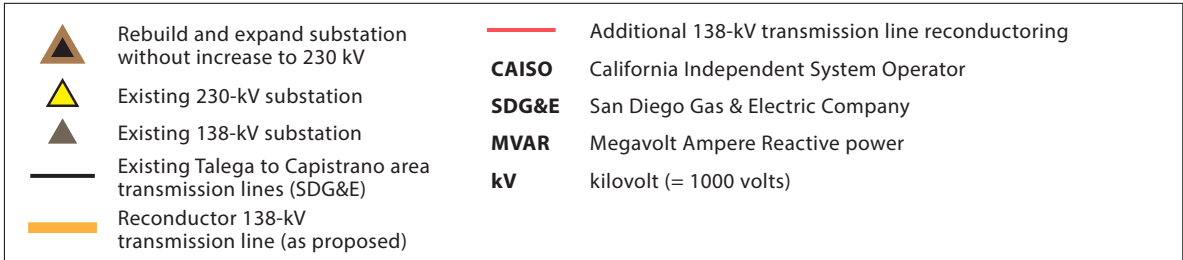
3.6 Alternative B4 – Rebuild South Orange County 138-kV System

This alternative was identified by the applicant in the PEA and further refined by the applicant in response to the CPUC’s request for further description of the improvements that SDG&E anticipates would be required for the South Orange County 138-kV system should the proposed project not be approved. Under this alternative, all of the existing 138-kV lines that extend between the applicant’s Trabuco, Capistrano, Laguna Niguel, and Talega substations would be reconducted (approximately 34 miles; Figure 9) except the Capistrano–Laguna Niguel 138-kV Line (TL13837) and a short section (TL13846C) that extends through the Talega Corridor area to connect the Talega–Pico–San Mateo 138-kV Line (TL13846) to Talega Substation. This would include reconductoring, the installation of new structures, and the installation of new underground conduit along five 138-kV lines (TL13816, TL13833, TL13835, TL13836, and TL13846) and the 7.8 miles of reconductoring described under Alternative B1.

In addition, new 138-kV facilities at Capistrano Substation would be constructed as described for the proposed project, and would include the installation of three 138/12-kV transformers and space for a fourth 138/12-kV transformer at the lower yard of the Capistrano Substation site (see Section 1.1.2). This substation expansion would likely result in demolition of the former utility structure that fronts the substation property on Camino Capistrano; however, no 230-kV substation would be constructed at the site, and the profile of the rebuilt substation would be lower in height than for the proposed project. Two 230/138-kV transformers that the applicant indicated are outdated would be replaced at Talega Substation. The applicant also indicated that this alternative would include the reactive power support elements described under the No Project Alternative. It is assumed that the other No Project Alternative elements would be included under Alternative B4 as well.

Consideration of CEQA Requirements for the Evaluation of Alternatives *Project Objectives*

This alternative would meet project Objectives 1 and 2 as defined in Section 1.3.1, but would not redistribute power flow of the applicant’s South Orange County 138-kV system (Objective 3). The applicant’s power flow data indicate that Alternative B4 would ensure that each of the potential Category C (N-1-1) contingencies identified by the applicant and CAISO (Section 1.2.1) would be avoided through the 10-year planning horizon (Objective 1). Equipment at Capistrano Substation found to be inadequate would be replaced (Objective 2). The ability of this alternative to satisfy Objective 1 through the 10-year planning horizon would be enhanced by the CAISO-approved installation of reactive power support equipment and anticipated increase in rooftop solar installations within South Orange County described under Alternative A.



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Figure 9
Rebuild South Orange County 138-kV System
Alternative B4

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Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective.

Environmental Advantages

It is not anticipated that trenching would be required along Vista Montana Road for the installation of new duct banks for Alternative B4; therefore, potentially significant effects on traffic along Vista Montana Road at the entrance to San Juan Hills High School and the Rancho San Juan residential development would be avoided.

Environmental Disadvantages

With the exception of impacts to traffic, each of the potentially significant effects of the proposed project identified in Table 4 would also apply to this alternative. Capistrano Substation would still be expanded into the lower yard, which would result in a potentially significant effect on cultural and visual resources. In addition, substantial construction would occur along the proposed 230-kV route to reconductor, install new structures, and install new underground conduit along the segments of five 138-kV lines (TL13816, TL13833, TL13835, TL13836, and TL13846). Additional 138-kV line segments to Laguna Niguel and Trabuco substations would also be reconducted, and new structures and new underground conduit would be installed (SDG&E 2014b). Because the project construction area and total area of disturbance would be larger than for the proposed project, impacts to some resource areas, including air quality and biological resources, could be greater than for the proposed project.

Conclusion

RETAINED. Alternative B4 is potentially feasible, would meet most of the basic project objectives, and would reduce a potentially significant effect on traffic. Therefore, this alternative is retained for further consideration in the EIR. In addition, this alternative would increase capacity of the South Orange Couth 138-kV System substantially less than the proposed project because a new 230-kV source would not be constructed, and hence, it would be less likely to induce growth.

3.7 Alternative C1 – SCE 230-kV Loop-in to Capistrano Substation

A version of this alternative was initially identified by the applicant in the PEA. As compared to the PEA alternative, Alternative C1 includes sufficient design details to ensure that analysis pursuant to CEQA may be conducted. Under this alternative, San Juan Capistrano Substation would be constructed as described for the proposed project. A new double-circuit 230-kV transmission line (3 to 4 miles long) would be constructed from the proposed San Juan Capistrano Substation to a location in proximity to Prima Deschecha Landfill and the San Juan Hills High School area (Figure 10). At this location, the new 230-kV line would loop in (connect) to SCE's existing Serrano–SONGS 230-kV line. The new 230-kV line and loop in connection would be constructed within the same ROW as the double-circuit 230-kV line proposed for the project. A small amount of new ROW may be required depending on where the loop-in connection is constructed. Distribution circuit 315 (12 kV) would be relocated as described for the proposed project.

Consideration of CEQA Requirements for the Evaluation of Alternatives

Project Objectives

This alternative would meet each of the project objectives as defined in Section 1.3.1.

Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective.



Alternative C1
(SCE 230-kV Loop-in to Capistrano Substation)



Alternative C2
(SCE 230-kV Loop-in to Capistrano Substation Routing Alternative)



Alternative D
(New 230-kV Substation at Landfill)

LEGEND

- | | | |
|--|--|---|
| Proposed 230-kV substation upgrade | Loop-in to existing transmission line | New double-circuit 230-kV line |
| Existing 230-kV substation | Existing 230-kV lines (SCE) | New double-circuit 230-kV line in new right-of-way |
| Existing 138-kV substation | Existing Talega-Capistrano (SDG&E) 138-kV line | Energize existing 138-kV line that is currently operated at 12 kV (SDG&E) |
| Replace inadequate equipment at substation | Relocate 12-kV distribution line as proposed | Reconductor unused 66-kV line |
| | | New 138-kV line in new right-of-way |

- CAISO** California Independent System Operator
SDG&E San Diego Gas & Electric Company
SCE Southern California Edison Company
MVAR Megavolt Ampere Reactive power
kV kilovolt (= 1000 volts)

Figure 10 **SDG&E 230-kV Interconnect with SCE Alternatives C1, C2, and D**
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Environmental Advantages

The new double-circuit 230-kV line would be 3.8 to 4.8 miles shorter than the proposed double-circuit 230-kV line. In comparison to the proposed project, construction would not occur along approximately 4 miles of ROW extending south of Prima Deschecha Landfill to Talega Substation. Less land disturbance would be required during construction than for the proposed project, which would reduce potentially significant effects (including potentially significant cumulative effects) on air quality and biological resources, and effects related to construction noise, traffic, and increased risk of wildfire.

Environmental Disadvantages

No environmental disadvantages to this alternative in comparison to the proposed project are anticipated.

Conclusion

RETAINED. Alternative C1 is potentially feasible, would meet the basic project objectives, and would reduce potentially significant effects of the proposed project. Therefore, this alternative is retained for further consideration in the EIR.

3.8 Alternative C2 – SCE 230-kV Loop-in to Capistrano Substation Routing Alternative

A version of this alternative was initially identified by the applicant in the PEA. As compared to the PEA alternative, Alternative C2 includes design details sufficient to ensure that analysis pursuant to CEQA may be conducted, and includes details based on comments received during the EIR scoping meeting held in the City of San Juan Capistrano. Many of the same components described under Alternative C1 would be constructed, but instead of connecting to SCE's Serrano-SONGS 230-kV line at a location in proximity to Prima Deschecha Landfill and south of the San Juan Hills High School area, the connection would be made north of the San Juan Hills High School area (Figure 10). The new double-circuit 230-kV line would be constructed along the same ROW southeast from Capistrano Substation to San Juan Creek Road. At San Juan Creek Road, new 230-kV line would be constructed in new underground conduit and within new ROW along San Juan Creek Road for approximately 1 mile northeast to a location near La Pata Avenue where it would connect to SCE's existing 230-kV line. It is assumed that distribution circuit 315 (12 kV) would be relocated as described for the proposed project.

Consideration of CEQA Requirements for the Evaluation of Alternatives *Project Objectives*

This alternative would meet each of the project objectives as defined in Section 1.3.1.

Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective.

Environmental Advantages

The new double-circuit 230-kV line in this alternative would be 4.5 to 5 miles shorter than the proposed project's double-circuit 230-kV line that would be constructed under the proposed project and 0.5 to 1 mile shorter than the 230-kV lines described under Alternative C1. Construction within the SDG&E ROW from approximately 5 miles south of the San Juan High School area south to Talega Substation as described for the proposed project would not occur under this alternative. Less land disturbance would be required during construction than for the proposed project, which would reduce potentially significant effects (including potentially significant cumulative effects) on air quality and biological resources, and effects related to construction noise and increased risk of

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wildfire. Potentially significant effects on traffic along Vista Montana Road at the entrance to San Juan Hills High School and the Rancho San Juan residential development would be avoided.

Environmental Disadvantages

Under Alternative C2, approximately 1 mile of new underground conduit would be installed in new ROW along San Juan Creek Road. By comparison, the proposed project would require approximately 0.4 miles of new underground conduit along the proposed 230-kV line route, which would be installed primarily in existing ROW. At this time, biological, cultural, and other resource survey data have not been collected for the route along San Juan Creek Road described for this alternative. It is assumed that potentially significant effects on biological resources, including jurisdictional wetland areas, could occur because San Juan Creek parallels San Juan Creek Road. At the closest point, the creek is located within a few hundred feet of the road. No other environmental disadvantages to this alternative in comparison to the proposed project are anticipated.

Conclusion

RETAINED. Alternative C2 is potentially feasible, would meet the basic project objectives, and would reduce potentially significant effects of the proposed project. Therefore, this alternative is retained for further consideration in the EIR/SEIR.

3.9 Alternative D – SCE 230-kV Loop In to Reduced-Footprint Substation at Landfill

A version of this alternative was initially identified by the applicant in the PEA. As compared to the alternative presented in the PEA, Alternative D includes design details sufficient to ensure that analysis pursuant to CEQA may be conducted. Under this alternative, a new 230/138/12-kV substation would be constructed at Prima Deschecha Landfill in proximity to the transmission corridor that crosses the landfill (Figure 10). Both SDG&E and SCE transmission lines are located within this corridor. Power would be provided to the new substation from SCE's Serrano-SONGS 230-kV line. A new, double-circuit 230-kV line segment (less than 0.25-miles long) would be constructed, possibly within new ROW that would loop the new substation into SCE's 230-kV line.

Under this alternative, a new, single-circuit 138-kV line segment (approximately 0.75-miles long) would be installed that would use the existing 66-kV/69-kV transmission line route described in Alternative B2. This line segment would extend from the new substation west to the applicant's transmission ROW and then extend north along the 66-kV/69-kV line route to the San Juan Hills High School area where it would connect to the applicant's existing, underground 138-kV line.

Distribution circuit 315 (12 kV) would be relocated as described for the proposed project, which would allow the existing 138-kV line that extends from the San Juan Hills High School area to Capistrano Substation to be energized at 138 kV instead of 12 kV. The new 138-kV segment would be used to create a continuous, new 138-kV line between the new substation and Capistrano Substation.

One 230/138-kV transformer would be installed at the new substation with space for a spare if the applicant provides data that indicate a spare could be needed. One 138/12-kV transformer would also be installed. Space for additional 138/12-kV transformers and/or additional distribution-level transformers would also be included in the substation design if the applicant provides data that indicate the space could be needed. The substation would be gas insulated and require 3 to 10 acres of land. In addition, equipment at Capistrano Substation found to be inadequate would be replaced.

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Variation Dismissed from Further Consideration

In the PEA, the applicant considered constructing San Juan Capistrano Substation at Prima Deschecha Landfill, but instead of connecting to one of SCE's existing 230-kV lines, the applicant would construct a new, double-circuit 230-kV line (approximately 4.25-miles long) from the landfill to Talega Substation. San Juan Capistrano Substation would be a larger, open-air-insulated substation (10 acres) instead of a gas-insulated substation (6.4 acres). Reconductoring (138 kV) would occur near Capistrano Substation and between Capistrano Substation and the landfill. The applicant would still expand Capistrano Substation under this variation but would not install the proposed 230-kV facilities. The applicant dismissed this alternative because substation construction would occur in two areas instead of one and because a potentially significant impact would not be avoided or substantially reduced (SDG&E 2012). This variation was considered with respect to Alternative D in this screening report but was dismissed because it would result in substantially greater land disturbance than Alternative D. It would not be environmentally superior with respect to Alternative D and, therefore, is not considered further in this report.

Consideration of CEQA Requirements for the Evaluation of Alternatives

Project Objectives

This alternative would meet each of the project objectives as defined in Section 1.3.1. The CPUC's review of the applicant's power flow data indicates that Alternative D would ensure that each of the potential Category C (N-1-1) contingencies identified by the applicant and CAISO (Section 1.2.1) would be avoided through the 10-year planning horizon (Objective 1). Equipment at Capistrano Substation found to be inadequate would be replaced (Objective 2), and power flow within the applicant's South Orange County 138-kV system would be redistributed (Objective 3).

Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective.

Environmental Advantages

The new double-circuit 230-kV line would be approximately 4.8 miles shorter than the proposed project's double-circuit 230-kV line. Construction would not occur along the ROW extending from Prima Deschecha Landfill to Talega Substation (approximately 4 miles) or along the 3-mile corridor between Capistrano Substation and the San Juan Hills High School area, as it would for the proposed project. The new 230/138/12-kV substation would likely be smaller than the proposed 230/138/12-kV substation, because fewer transformers would be required.

The former utility structure at the Capistrano Substation site would not be demolished, which would reduce potentially significant effects on cultural resources, and Capistrano Substation would not be expanded, which would reduce potentially significant effects on visual resources. Less land disturbance would be required during construction, which would reduce potentially significant effects (including potentially significant cumulative effects) on air quality and biological resources, and effects related to construction noise and increased risk of wildfire. Potentially significant effects on traffic along Vista Montana Road at the entrance to San Juan Hills High School and the Rancho San Juan residential development would be avoided.

Environmental Disadvantages

Three to 10 acres of new substation ROW would be required adjacent to the existing transmission line corridor for construction of the new substation. In addition, approximately 0.25 miles of new transmission line ROW would be required. Hence, Alternative D could require up to 10.25 acres of new ROW. By comparison, the applicant estimates that the proposed project would require 10.13 acres of new ROW. Some, likely minor, impacts could result from the additional ROW. No other

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environmental disadvantages to this alternative in comparison to the proposed project are anticipated under this alternative.

Conclusion

RETAINED. Alternative D is potentially feasible, would meet the basic project objectives, and would reduce potentially significant effects of the proposed project. Therefore, this alternative is retained for further consideration in the EIR.

3.10 Alternative E – New 230-kV Talega–Capistrano Line Operated at 138 kV

Under this alternative, which was identified by the CPUC, the proposed double-circuit 230-kV line would be constructed between Talega Substation and the San Juan Hills High School and Rancho San Juan residential development area (Figure 11). The two new circuits would be operated at 138 kV rather than 230 kV. The new double-circuit transmission line would connect to two existing transmission line segments between Capistrano Substation and the San Juan Hills High School and Rancho San Juan residential development area.

One of the existing 138-kV lines is the Laguna Niguel–San Mateo–Talega 138-kV Line (TL13835) and the second 138-kV line is currently operated at 12 kV (distribution circuit 315). Distribution circuit 315 would be relocated as proposed, and the existing 138-kV circuit would be energized at 138 kV. If reconductoring is required between Capistrano Substation and the San Juan Hills High School and Rancho San Juan residential development area to upgrade sections of circuit 315, higher-capacity conductor (e.g., ACSS) similar in size to the existing conductor would be installed. The new Talega–Capistrano 138-kV Lines that would be created under this alternative could have a capacity of approximately 270 MVA depending on whether reconductoring is required and the type of conductor installed.

If it is not feasible to make use of circuit 315 under this alternative, only one 230-kV circuit (operated at 138 kV) would be installed between Talega Substation and the San Juan Hills High School and Rancho San Juan residential development area on the new double-circuit poles. Circuit 315 would not be relocated and the Laguna Niguel–San Mateo–Talega 138-kV Line (TL13835) section between Capistrano Substation and the San Juan Hills High School and Rancho San Juan residential development area would be reconductored with higher-capacity conductor (see also Alternative B1).

Equipment at Capistrano Substation would be replaced to the extent that the applicant can provide data that indicate such replacement would be required to accommodate this alternative or would otherwise be required because the equipment is inadequate. If future load forecast and power flow studies indicate that the existing 138/12-kV Capistrano Substation must be expanded to a larger 230/138/12-kV substation as described for the proposed project, 4.8 miles of the proposed double-circuit 230-kV line (7.8-miles long) would already be in place to support this expansion.

Route Variation Dismissed from Further Consideration

In the PEA, the applicant considered routing one of the proposed 230-kV lines along Vista Montana Road by replacing an unused 138-kV conduit package with 230-kV conduit. The second 230-kV line would be installed in new underground conduit north along La Pata Avenue to San Juan Creek Road. From there, the second 230-kV line would be installed as described for the routing alternative identified under Alternative C2. The applicant dismissed this alternative because it would result in approximately 2 miles of additional land disturbance (SDG&E 2012). This variation was considered with respect to Alternative E in this screening report but was dismissed because it would result in substantially greater land disturbance than Alternative E. It would not be environmentally superior with respect to Alternative E and, therefore, is not considered further in this report.



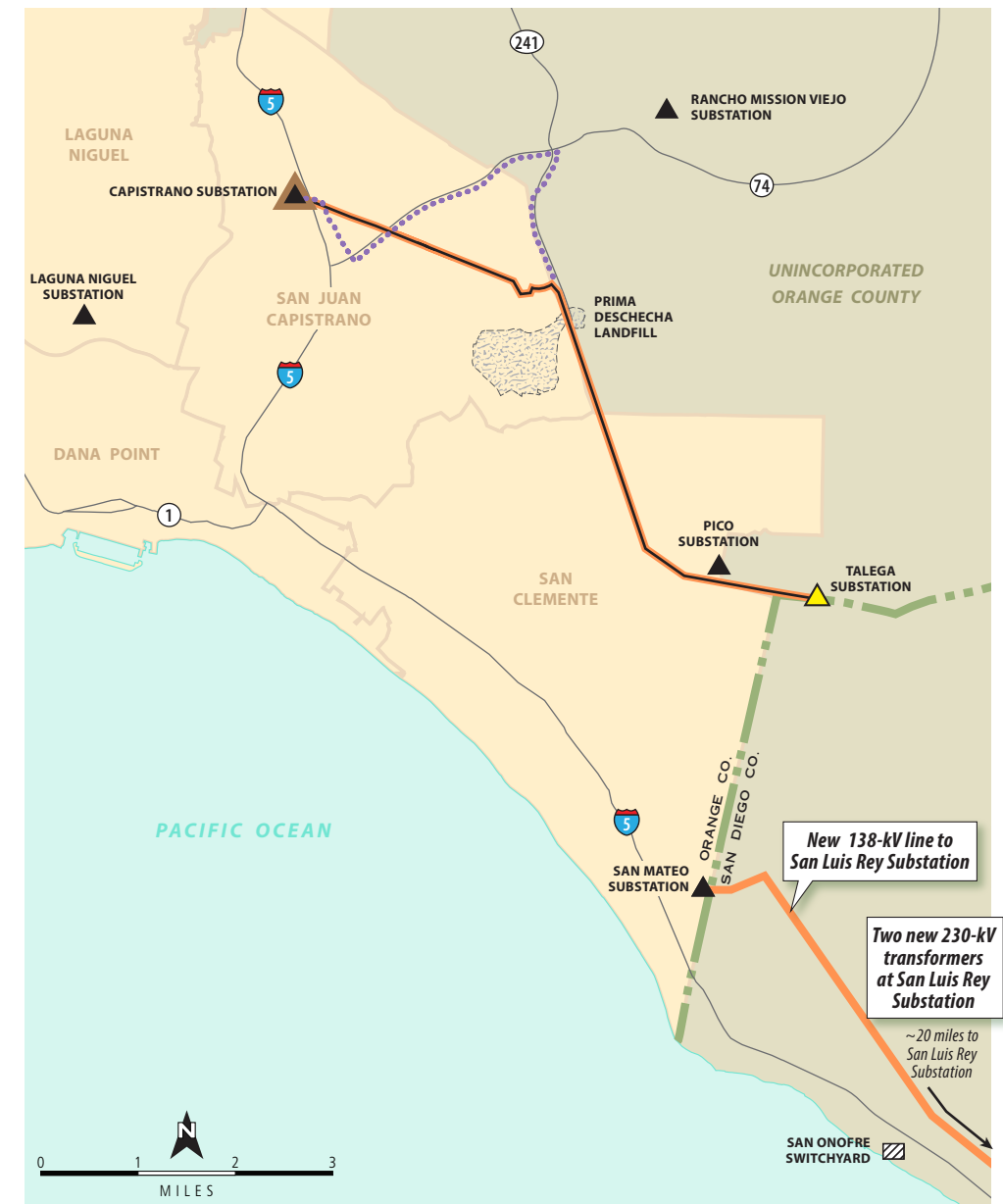
Alternative E

(New 230-kV Talega–Capistrano Line Segments Operated at 138 kV)



Alternative F

(230-kV Rancho Mission Viejo Substation)



Alternative G

(New 138-kV San Luis Rey–San Mateo Line and San Luis Rey Substation Expansion)

LEGEND

- | | | | |
|--|--|--|---|
| | Proposed 230-kV substation upgrade | | Existing 138-kV line |
| | Replace inadequate equipment at substation | | New double-circuit 230-kV line |
| | Rebuild and expand substation without increase to 230 kV | | New or reconducted 138-kV line in existing right-of-way |
| | Existing 230-kV substation | | Relocate 12-kV distribution line as proposed |
| | Existing 138-kV substation | | |

Figure 11 **New 138-kV Transmission Line and Rancho Mission Viejo Alternatives (Alternatives E, F, and G)**
South Orange County Reliability Enhancement Project

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Consideration of CEQA Requirements for the Evaluation of Alternatives

Project Objectives

This alternative would meet project Objectives 1 and 2, but would not redistribute power flow of the applicant's South Orange County 138-kV system (Objective 3). The CPUC's review of the applicant's power flow data indicate that Alternative E would ensure that each of the potential Category C (N-1-1) contingencies identified by the applicant and CAISO (Section 1.2.1) would be avoided through the 10-year planning horizon (Objective 1). Equipment at Capistrano Substation found to be inadequate would be replaced (Objective 2).

Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective.

Environmental Advantages

Under this alternative, Capistrano Substation would not be expanded, which would reduce potentially significant effects on visual resources, and the former utility structure at the Capistrano Substation site would not be demolished, which would reduce potentially significant effects on cultural resources. The 230-kV transmission line would be approximately 3 miles shorter than as described for the proposed project. Less land disturbance would be required during construction, which would reduce potentially significant effects (including potentially significant cumulative effects) on air quality and biological resources, and effects related to construction noise and increased risk of wildfire. It is assumed that conductor would not need to be replaced in the existing underground conduit (138 kV) along Vista Montana Road because the existing underground conductor has sufficient capacity (273 MVA or greater) to connect to a new higher-capacity overhead line (operated at 138 kV). If this is not the case, potentially significant effects on traffic along Vista Montana Road would still be reduced because new conductor could be pulled into the existing underground conduit, which would not require trenching.

Environmental Disadvantages

No environmental disadvantages associated with this alternative are anticipated.

Conclusion

RETAINED. Alternative E is potentially feasible, would meet the basic project objectives, and would reduce potentially significant effects of the proposed project. Therefore, this alternative is retained for further consideration in the EIR.

3.11 Alternative F – 230-kV Rancho Mission Viejo Substation

This alternative was identified by the CPUC based on comments received during the EIR scoping meeting held in the City of San Juan Capistrano. In addition, details regarding the Eastern Talega 230-kV Transmission Line Route alternative as described in the applicant's PEA are incorporated into this alternative.

Under this alternative the applicant's 138/12-kV Rancho Mission Viejo Substation would be expanded to a 230/138/12-kV substation with comparable specifications to those of the proposed project's new San Juan Capistrano Substation. Capistrano Substation would not be expanded, but equipment at Capistrano Substation found to be inadequate would be replaced.

To bring a new 230-kV source into the South Orange County service area, a new, double-circuit 230-kV Talega–Rancho Mission Viejo line would be constructed along the Eastern Talega 230-kV Transmission Line Route described in the PEA. This route follows the existing Talega–Rancho Mission Viejo 138-kV Line (TL13831). Although two new 230-kV circuits would be installed, one of the circuits would be energized at 138 kV and operated as TL13831. The existing TL13831 structures

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and conductor would be removed, and the existing ROW (100-foot wide) would be increased by approximately 20 feet.

Some 138-kV reconductoring or 138-kV line construction is assumed to be required to make use of the additional power that would be available from an upgraded, 230/138/12-kV Rancho Mission Viejo Substation. Additional 138-kV work that may be required will be evaluated in the EIR based on input from the applicant.

Route Variation to Capistrano Substation Dismissed from Further Consideration

In the PEA, the applicant considered an Eastern Talega to San Juan Capistrano 230-kV Transmission Line Route Alternative that would construct a new double-circuit 230-kV line from Talega Substation as described for Alternative F in this screening report. Instead of connecting the new 230-kV line to an expanded 230-kV Rancho Mission Viejo Substation, however, it would bypass Rancho Mission Viejo Substation and continue to Margarita Substation and then Trabuco Substation on route to Capistrano Substation under this route variation. Capistrano Substation would be expanded into San Juan Capistrano Substation as proposed. The route variation between Talega and Capistrano substations would be approximately 16-miles long and require a combination of new overhead and underground construction.

The applicant dismissed this alternative because it would require the acquisition of a substantial amount of new ROW and result in more than 8 miles of additional land disturbance than the proposed project (SDG&E 2012). The 16-mile route variation to Capistrano Substation was considered with respect to Alternative F in this screening report but was dismissed because of the amount of additional land disturbance and new ROW that would be required. It would not be environmentally superior with respect to Alternative F and, therefore, is not considered further in this report.

Consideration of CEQA Requirements for the Evaluation of Alternatives

Project Objectives

Initial screening indicates that this alternative would meet each of the project objectives as defined in Section 1.3.1.

Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective.

Environmental Advantages

A new, double-circuit 230-kV line that follows the route of TL13831 would be approximately 6.5 miles long (approximately 1 mile shorter than the 230-kV route for the proposed project). The former utility structure at the Capistrano Substation site would not be demolished, which would reduce potentially significant effects on aesthetic and cultural resources. In addition, impacts on traffic that may occur at the entrance to San Juan Hills High School and the Rancho San Juan residential development at Vista Montana Road would be avoided.

Environmental Disadvantages

It is assumed that the existing ROW that would accommodate the new, double-circuit 230-kV line under this alternative would be required to be increased in width along the approximately 6.5-mile extent of the route between Talega and Rancho Mission Viejo substations. Survey data addressing resources including biological and cultural resources have not yet been collected along this route. Potentially significant effects on biological resources could occur because aerial imagery indicates that the route traverses several miles of forested and undeveloped land. Other potentially significant effects are anticipated to be similar to or greater than those of the proposed project (see Table 4), with the exception of effects to aesthetic and cultural resources and, possibly, impacts related to traffic.

Conclusion

RETAINED. Alternative F is potentially feasible, would meet the basic project objectives, and would reduce potentially significant effects of the proposed project on aesthetic and cultural resources as well as traffic. Therefore, this alternative is retained for further consideration in the EIR.

3.12 Alternative G – New 138-kV San Luis Rey–San Mateo Line and San Luis Rey Substation Expansion

This alternative was identified by the applicant in the PEA. Under this alternative, a new, approximately 18-mile-long 138-kV transmission line would be constructed within existing and new ROW from San Luis Rey Substation to San Mateo Substation (Figure 11). Two new 230/138-kV transformers would be installed at San Luis Rey Substation, the substation would be expanded, and three 230-kV line segments would be modified. Capistrano Substation’s 138-kV and 12-kV facilities would be rebuilt as described for the proposed project, and a number of 138-kV transmission lines would be reconducted. In addition, a segment of the Laguna Niguel–Talega 138-kV Line (TL13835) from Capistrano Substation to Talega Substation would be modified to support a second 138-kV line, which would require a similar amount of construction as the double-circuit 230-kV transmission line that would be constructed as part of the proposed project.

Consideration of CEQA Requirements for the Evaluation of Alternatives

Project Objectives

This alternative would meet project Objectives 1 and 2 as defined in Section 1.3.1. This alternative would also partially meet Objective 3 because a new 138-kV line from San Luis Rey Substation would connect the applicant’s South Orange County 138-kV system to the 230-kV network that supplies San Luis Rey Substation (SDG&E 2012).

Feasibility

The applicant presented Alternative G to the CAISO, and the CAISO reviewed this alternative along with the SOCRUP project and other alternatives from 2008 to 2011 (see Section 1.2.1). The CAISO rejected this alternative because it would be substantially more expensive than the SOCRUP project and would take longer to construct because of technical challenges associated with designing and constructing it. The CAISO did not consider it in the adopted CAISO transmission plans published from 2008 to 2010 or the 2011 transmission plan that approved the need for the proposed project (CAISO 2008, 2009, 2010, 2011a, SDG&E 2012), it is assumed, for the purposes of this alternatives screening report, that Alternative G is potentially feasible.

Environmental Advantages

It is assumed that conductor would not need to be replaced in the existing, unused underground conduit (138 kV) along Vista Montana Road because the existing underground conductor has sufficient capacity to connect to a new 138-kV overhead line. If this is not the case, potentially significant effects on traffic along Vista Montana Road would still be reduced because new 138-kV conductor could be pulled into the existing conduit, which would reduce the amount of trenching that would be required.

Environmental Disadvantages

Each of the potentially significant effects of the proposed project identified in Table 4 would also apply to this alternative. Capistrano Substation would still be expanded into the lower yard, which would result in potentially significant effects on cultural and visual resources. In addition, substantial construction would occur along the proposed 230-kV route to reconductor 138-kV lines and install new double-circuit 138-kV structures. Substantial work in addition to what would be required for the proposed project would also occur at San Luis Rey Substation and along the additional 18-mile-long

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138-kV transmission line that would be required for this alternative. The additional land disturbance during construction would increase potentially significant effects (including potentially significant cumulative effects) on air quality, from increased risk of wildfire, and from construction noise. At this time, biological and other resource survey data have not been collected along the 18-mile-long 138-kV transmission line route from San Luis Rey Substation, but it is assumed that impacts on biological resources could occur, and if so, would be greater than those that may occur as part of the proposed project because the total area of construction disturbance for this alternative would be larger.

Conclusion

RETAINED. Alternative G is potentially feasible, would meet the basic project objectives, and would reduce a potentially significant effect of the proposed project on transportation and traffic. Therefore, this alternative is retained for further consideration in the EIR. In addition, this alternative would increase capacity of the South Orange Couth 138-kV System less than the proposed project because a new 230-kV source would not be constructed, and hence, it would be less likely to induce growth.

3.13 Alternative H – New 230-kV Line from Escondido to Capistrano

This alternative was identified by the applicant in the PEA. Under this alternative, a second 230-kV circuit would be installed on the Escondido–Talega 230-kV line, which is approximately 45 miles long. Double-circuit structures are already in place along this line but only one circuit is currently installed. A new 230-kV bay position would be installed within Escondido Substation to accommodate the additional circuit. The new 230-kV line from Escondido Substation would bypass Talega Substation and connect directly to the proposed San Juan Capistrano Substation. Construction would occur as proposed along the ROW between Talega Substation and the Capistrano Substation site.

Consideration of CEQA Requirements for the Evaluation of Alternatives Project Objectives

This alternative would meet each of the project objectives as defined in Section 1.3.1.

Feasibility

This alternative is potentially feasible from a technological, legal, and economic perspective. The applicant presented this alternative to the CAISO, and the CAISO reviewed it along with the SOCRUP project and other alternatives from 2008 to 2011 (see Section 1.2.1). The CAISO rejected this alternative because it would be more expensive (SDG&E 2012), but it is assumed, for the purposes of this alternatives screening report, that Alternative H is potentially feasible.

Environmental Advantages

No environmental advantages are associated with this alternative in comparison to the proposed project.

Environmental Disadvantages

This alternative would require that new 230-kV conductor be installed along approximately 45 miles of existing ROW between Talega Substation and Escondido Substation. All other components of this alternative would be the same as those for the proposed project. Impacts on air quality and other resource areas would be greater for this alternative than the proposed project.

Conclusion

ELIMINATED. Alternative H is potentially feasible and would meet the basic project objectives but would not reduce a potentially significant effect of the proposed project. Therefore, this alternative will not be carried forward for further consideration in the EIR.

3.14 Alternative I – Other Substation Alternatives

The applicant identified the following alternatives in the PEA specific to substation design or siting.

Expand Capistrano Substation without Constructing New 230-kV Line

Under this alternative, the applicant would expand Capistrano Substation as proposed but would not install the proposed 230-kV facilities. A new 230-kV line from Talega Substation to Capistrano Substation would not be constructed. The applicant dismissed this alternative because it would not meet most of the basic project objectives (SDG&E 2012).

Air-Insulated San Juan Capistrano Substation

Under this alternative, the applicant would construct San Juan Capistrano Substation without installing the proposed gas-insulated facilities. Instead, the substation would be all open-air insulated. An open-air insulated substation would require approximately 10 acres of land, which could not be constructed within the footprint of the existing Capistrano Substation property (approximately 6.4 acres). The applicant dismissed this alternative because approximately 45 single-family homes located on the north and east sides of the site would need to be acquired and demolished to allow for substation construction and installation of the required transmission and distribution lines (SDG&E 2012).

Alternative Substation Site East of Capistrano Substation

The applicant considered constructing a new substation within a geographic area centered approximately 1 mile east of Capistrano Substation. The applicant identified this general area as the load center of the South Orange County 138-kV system. The area east of Capistrano Substation and across I-5 is built out primarily by residential developments but also contains a number of recreational facilities (e.g., golf facilities, equestrian facilities, parks, and dedicated open space). Undeveloped properties within the area are hilly with slopes greater than 25 percent. For these reasons, the applicant dismissed this alternative because it would not be feasible to identify contiguous, available property appropriate for a new 230/138-kV substation. Furthermore, a substantial amount of new ROW would be required for the associated transmission and distribution lines and access roads (SDG&E 2012).

Reconfigure and Expand Talega Substation

The applicant considered installing 230-kV and 138-kV bus ties and relocating transmission lines and banks at Talega Substation to reduce the effects of certain types of potential outages. Some of the equipment within Talega Substation would be moved outside of the substation's current footprint. Approximately 2 acres of property adjacent to the substation would be acquired. A new gas-insulated 230-kV substation would be installed where the equipment to be moved is currently located. Essentially, a separate, isolated 230-kV substation would be constructed within the existing Talega Substation. The applicant dismissed this alternative because it would not meet most of the basic project objectives (SDG&E 2012).

Consideration of CEQA Requirements for the Evaluation of Alternatives Project Objectives

The Air-Insulated San Juan Capistrano Substation alternative and Alternative Substation Site East of Capistrano Substation would both meet each of the project objectives as defined in Section 1.3.1.

The Expand Capistrano Substation without Constructing New 230-kV Line alternative would replace inadequate equipment at Capistrano Substation (Objective 2) but would not redistribute power flow of the applicant's South Orange County 138-kV system (Objective 3). It may partially meet Objective 1 because, as stated under Alternative A (No Project), load shedding could be used to address a number

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of the contingency events identified through 2024. It is assumed that each component of the No Project Alternative would be constructed regardless of whether the Expand Capistrano Substation without Constructing New 230-kV Line alternative is constructed.

The Reconfigure and Expand Talega Substation alternative would not meet Objectives 2 or 3, but it may meet Objective 1 for the same reason that the Expand Capistrano Substation without Constructing New 230-kV Line alternative may meet Objective 1.

Feasibility

Each of the substation alternatives considered under Alternative I are potentially feasible from a technological, legal, and economic perspective except Alternative Substation Site East of Capistrano Substation. It may not be feasible to construct a new substation within the geographic area centered approximately 1 mile east of Capistrano Substation without acquiring and demolishing residential properties and recreational facilities to create the space needed to construct a new 230/138-kV substation and new transmission corridors and distribution lines.

Environmental Advantages

The substation design and siting alternatives described under Alternative I that would not require the construction of a new 230-kV line would reduce a number of the potentially significant effects of the proposed project identified in Table 4 (i.e., the Expand Capistrano Substation without Constructing New 230-kV Line alternative and Reconfigure and Expand Talega Substation alternative). Unlike the Expand Capistrano Substation without Constructing New 230-kV Line alternative, however, the Reconfigure and Expand Talega Substation alternative would avoid or reduce each of the potentially significant effects of the proposed project, including those that may occur due to construction at the Capistrano Substation site.

The Alternative Substation Site East of Capistrano Substation may reduce a potentially significant effect on cultural resources because demolition of the former utility structure (a potential historic resource) would not occur. This alternative may also reduce a potentially significant effect on visual resources because construction at the Capistrano Substation site may not be required. No environmental advantages are associated with the Air-Insulated San Juan Capistrano Substation alternative in comparison to the proposed project.

Environmental Disadvantages

The Air-Insulated San Juan Capistrano Substation alternative would result in increased impacts on air quality because of the 45 homes that would be acquired and demolished and additional land disturbance. The Alternative Substation Site East of Capistrano Substation would result in increased impacts on air quality because of the new transmission corridors that would be developed to connect to the new substation and likelihood that existing residences and community facilities would need to be demolished or relocated. It is likely that impacts on traffic and other resources areas would also be increased, but additional survey data would be required to make this determination.

No environmental disadvantages are associated with the Expand Capistrano Substation without Constructing New 230-kV Line alternative or Reconfigure and Expand Talega Substation alternative in comparison to the proposed project.

Conclusion

ELIMINATED. None of the additional substation design and siting alternatives considered under Alternative I would meet each of the three CEQA criteria for alternatives (Section 2.2, “CEQA Requirements for the Consideration of Alternatives”). Some of the alternatives considered under Alternative I would be feasible but would not meet most of the basic project objectives. Others would

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meet most of the basic project objectives and be feasible but would not reduce a potentially significant effect of the proposed project. Therefore, none of the alternatives defined under Alternative I will be carried forward for further consideration in the EIR.

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4

Summary of Alternatives Carried Forward for Analysis in the EIR

Each alternative identified by the applicant and CPUC is listed in Table 5 along with a summary of alternative screening results. Each alternative evaluated in this report will be carried forward for analysis in the EIR except Alternatives H and I.

4 Summary of Alternatives Carried Forward for Analysis in the EIR

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4 Summary of Alternatives Carried Forward for Analysis in the EIR

Table 5 Summary of Alternatives Included in the Alternative Screening Report

Alternative	Carried Forward to EIR	Identified By	Objectives Met	Potentially Feasible	Potentially Significant Environmental Effects Likely Reduced ^a							
					Aesthetics	Air	Biological	Cultural	Hazards (Wildfire)	Noise	Traffic	Growth Inducing
A. No Project	Yes	CPUC	1 (partially) and 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
B1. Reconductor Laguna Niguel–Talega 138-kV Line	Yes	CPUC	1 and 2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
B2. Use of Existing Transmission Lines	Yes	CPUC	1 and 2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
B3. Phased Construction of Alternatives B1 and B2	Yes	CPUC	1 and 2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
B4. Rebuild South Orange County 138-kV System	Yes	SDG&E	1 and 2	Yes	–	–	–	–	–	–	Yes	Yes
C1. SCE 230-kV Loop In to Capistrano Substation	Yes	SDG&E ^b	1, 2, and 3	Yes	–	Yes	Yes	–	Yes	Yes	Yes	–
C2. SCE 230-kV Loop In to Capistrano Substation Alternative Route	Yes	CPUC	1, 2, and 3	Yes	–	Yes	Yes	–	Yes	Yes	Yes	–
D. SCE 230-kV Loop In to Reduced-Footprint Substation at Landfill	Yes	SDG&E ^b	1, 2, and 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	–
E. New 230-kV Line Operated at 138 kV	Yes	CPUC	1 and 2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
F. 230-kV Rancho Mission Viejo Substation	Yes	CPUC	1, 2, and 3	Yes	Yes	–	–	Yes	–	–	Yes	–
G. New 138-kV San Luis Rey–San Mateo Line and San Luis Rey Substation Expansion	Yes	SDG&E	1, 2, and 3	Yes	–	–	–	–	–	–	Yes	Yes
H. New 230-kV Line from Escondido to Capistrano	No	SDG&E	1, 2, and 3	Yes	–	–	–	–	–	–	–	–
I. Other Substation Alternatives	No	SDG&E	– ^c	– ^c	– ^c							

Source: SDG&E 2012, 2014a, 2014b, 2014c, 2014d

Key: CPUC = California Public Utilities Commission, SDG&E = San Diego Gas and Electric Company

Notes:

^a Potentially significant environmental effects of the proposed project that would likely be reduced under the alternative (“environmental advantages”).

^b Alternative originated by SDG&E but presented with modifications or design details added by the CPUC.

^c Refer to the analysis presented in the screening report.

4 Summary of Alternatives Carried Forward for Analysis in the EIR

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5

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Appendix C

Existing and Proposed 230-kV, 138-kV, and 69, kV Transmission Lines, Structures, and Areas of Disturbance Map Sheets

Updated: The map sheets in Appendix C have been revised as a result of response to comments on the Draft EIR and Recirculated Draft EIR. During the comment period for the Draft EIR, San Diego Gas and Electric (SDG&E) submitted minor design refinements as part of their comments on the Draft EIR. SDG&E provided a complete map series of these refinements.

During the comment period for the Recirculated Draft EIR, SDG&E submitted additional minor design refinements as part of their comments on the Recirculated Draft EIR. The Recirculated Draft EIR refinements only effected the southern portion of the proposed project. SDG&E provided a map series of these refinements. Therefore, pages 1 through 15 of Appendix C was provided by SDG&E in response to the Draft EIR and pages 16 through 22 of Appendix C was provided by SDG&E in response to the Recirculated Draft EIR.

The overall map series in this appendix shows the current design of the proposed project.

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**Figure 1:
SOCRE Project
Design Revisions**

Legend

- LiDAR Structure
- Distribution Cable Pole
- Proposed Structures
- PEA/DEIR Pole Locations

Vaults

12kV-UG

69kV-OH

138kV-OH

138kV-UG

230kV-OH

230-UG

Distribution Lines

LaPata Road Grading

Project Modifications

Same as PEA/DEIR Design

Temporary

Permanent

New Impacts

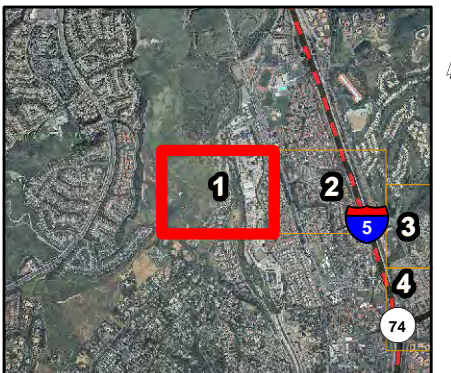
Permanent

Temporary

PEA/DEIR - Impact Removed

No Longer an Impact

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- 230-UG
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- - - LaPata Road Grading

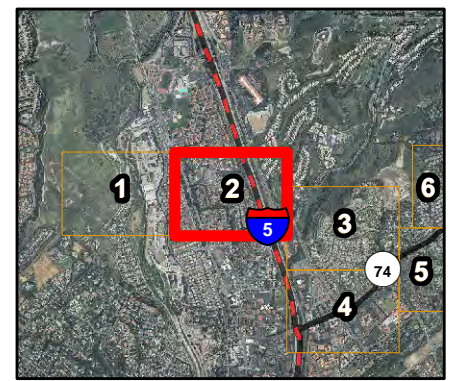
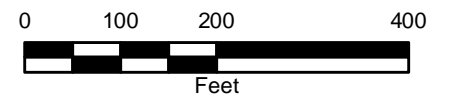
Project Modifications
Same as PEA/DEIR Design

- Temporary
- Permanent

- New Impacts**
- Permanent
 - Temporary

- PEA/DEIR - Impact Removed**
- No Longer an Impact

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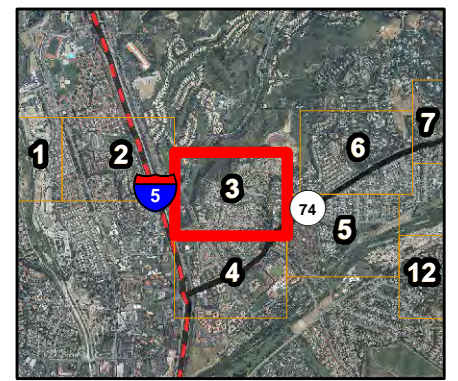
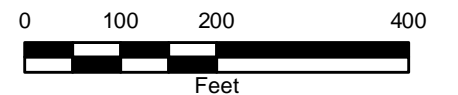
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- 230-UG
- Distribution Lines
- LaPata Road Grading
- Project Modifications**
- Same as PEA/DEIR Design**
- Temporary
- Permanent
- New Impacts**
- Permanent
- Temporary
- PEA/DEIR - Impact Removed**
- No Longer an Impact

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Project Modifications

Same as PEA/DEIR Design

- Temporary
- Permanent

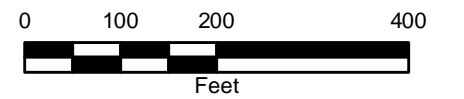
New Impacts

- Permanent
- Temporary

PEA/DEIR - Impact Removed

- No Longer an Impact

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- 230kV-OH
- 230-UG
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Project Modifications

Same as PEA/DEIR Design

- Temporary
- Permanent

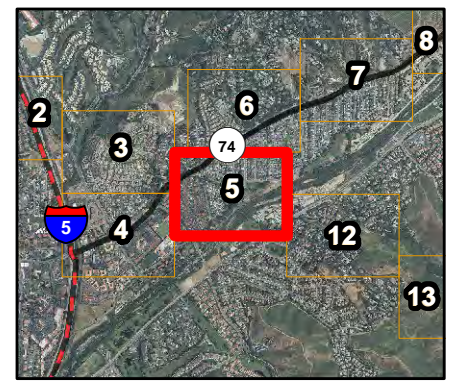
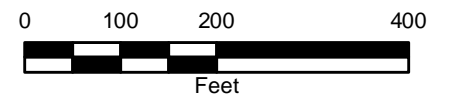
New Impacts

- Permanent
- Temporary

PEA/DEIR - Impact Removed

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SOCRE Project
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- 138kV-UG
- 230kV-OH
- 230-UG
- Distribution Lines
- LaPata Road Grading

Project Modifications

Same as PEA/DEIR Design

- Temporary
- Permanent

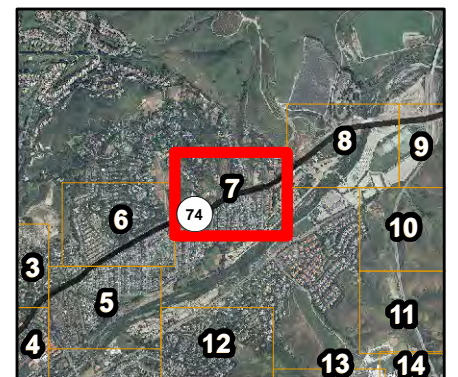
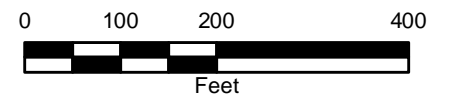
New Impacts

- Permanent
- Temporary

PEA/DEIR - Impact Removed

- No Longer an Impact

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**Figure 1:
SOCRE Project
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- 138kV-UG
- 230kV-OH
- 230-UG
- Distribution Lines
- LaPata Road Grading

Project Modifications

Same as PEA/DEIR Design

- Temporary
- Permanent

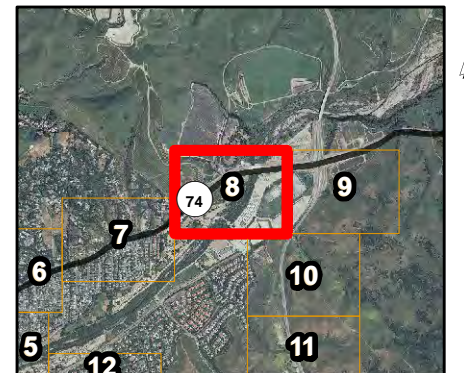
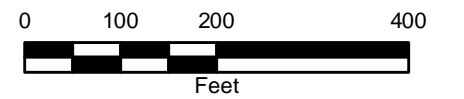
New Impacts

- Permanent
- Temporary

PEA/DEIR - Impact Removed

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Project Modifications

Same as PEA/DEIR Design

- Temporary
- Permanent

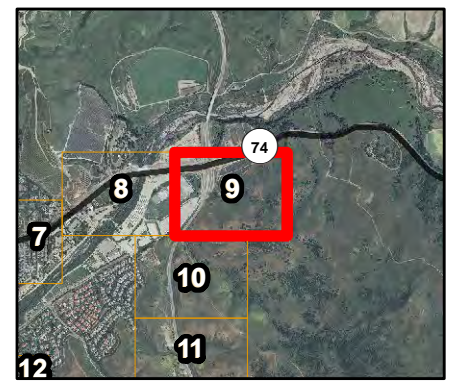
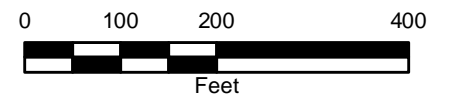
New Impacts

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Vaults

12kV-UG

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230kV-OH

230-UG

Distribution Lines

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Project Modifications

Same as PEA/DEIR Design

Temporary

Permanent

New Impacts

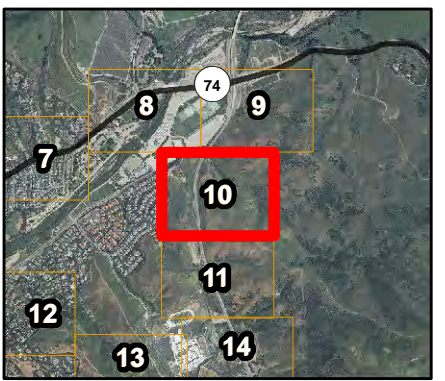
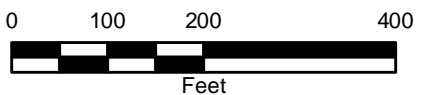
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Project Modifications

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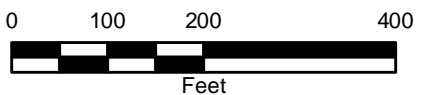
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PEA/DEIR - Impact Removed

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Project Modifications

Same as PEA/DEIR Design

- Temporary
- Permanent

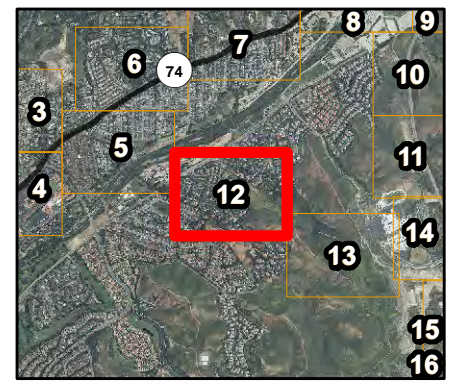
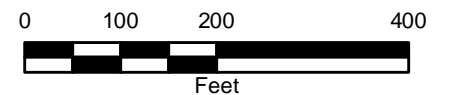
New Impacts

- Permanent
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PEA/DEIR - Impact Removed

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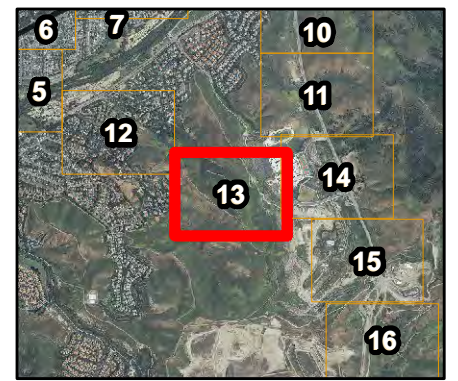
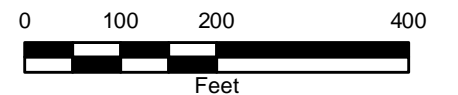


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- Temporary
- Permanent

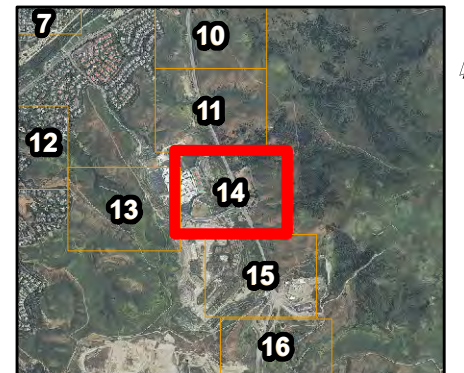
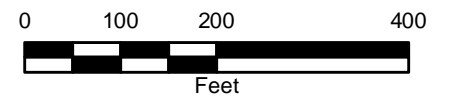
New Impacts

- Permanent
- Temporary

PEA/DEIR - Impact Removed

- No Longer an Impact

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PAGE: 14



SOCRE - 15-0002 Current Design vs PEA_2400scale_2015_04_10_rev4.Mxd (mrvaneck)

**Figure 1:
SOCRE Project
Design Revisions**

Legend

- LiDAR Structure
- Distribution Cable Pole
- Proposed Structures
- PEA/DEIR Pole Locations
- Vaults
- 12kV-UG
- 69kV-OH
- 138kV-OH
- 138kV-UG
- 230kV-OH
- 230-UG
- Distribution Lines
- LaPata Road Grading

Project Modifications

Same as PEA/DEIR Design

- Temporary
- Permanent

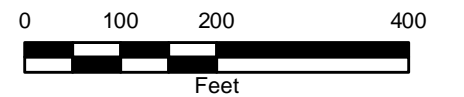
New Impacts

- Permanent
- Temporary

PEA/DEIR - Impact Removed

- No Longer an Impact

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SOCRE - 15-0002 Current Design vs PEA_240bscale_2015_04_10_rev4.Mxd (mrvaneck)

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SOCRE Project Rights-of-Way Map Post R-DEIR Design (Design Date September 2015)

Sheet 7 of 7

Facilities

- Existing Structure to be used in place
- Proposed New Structure
- Existing OH
- 69KV-UG
- 69KV-OH
- 138KV-OH
- 230KV-OH
- Existing Access Roads
- LaPata Road Grading

Work Areas (Impacts)

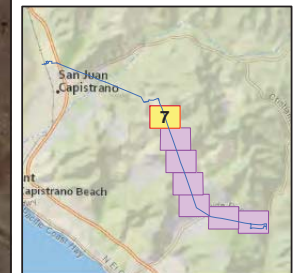
- Permanent Impact
- Temporary Work Area

Easements & Boundaries

- Prima Deschecha Landfill Conservation Easement
- MCB Pendleton Boundary
- Existing SDG&E Easements, ROW, & Fee-Owned Property

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SOCRE Project Rights-of-Way Map Post R-DEIR Design (Design Date September 2015)

Sheet 6 of 7

Facilities

- Existing Structure to be used in place
- Proposed New Structure
- Existing OH
- 69KV-UG
- 69KV-OH
- 138KV-OH
- 230KV-OH
- Existing Access Roads
- LaPata Road Grading

Work Areas (Impacts)

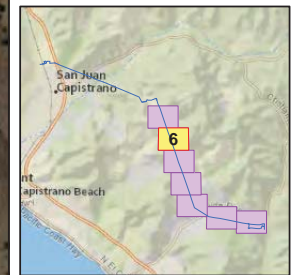
- Permanent Impact
- Temporary Work Area

Easements & Boundaries

- Prima Deschecha Landfill Conservation Easement
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SOCRE Project Rights-of-Way Map Post R-DEIR Design (Design Date September 2015)

Sheet 5 of 7

Facilities

- Existing Structure to be used in place
- Proposed New Structure
- Existing OH
- 69KV-UG
- 69KV-OH
- 138KV-OH
- 230KV-OH
- Existing Access Roads
- LaPata Road Grading

Work Areas (Impacts)

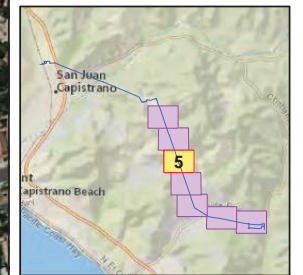
- Permanent Impact
- Temporary Work Area

Easements & Boundaries

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SOCRE Project Rights-of-Way Map Post R-DEIR Design (Design Date September 2015)

Sheet 4 of 7

Facilities

- Existing Structure to be used in place
- Proposed New Structure
- Existing OH
- 69KV-UG
- 69KV-OH
- 138KV-OH
- 230KV-OH
- Existing Access Roads
- LaPata Road Grading

Work Areas (Impacts)

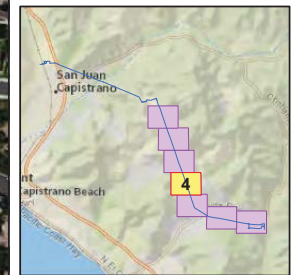
- Permanent Impact
- Temporary Work Area

Easements & Boundaries

- Prima Deschecha Landfill Conservation Easement
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SOCRE Project Rights-of-Way Map Post R-DEIR Design (Design Date September 2015)

Sheet 3 of 7

Facilities

- Existing Structure to be used in place
- Proposed New Structure
- Existing OH
- 69KV-UG
- 69KV-OH
- 138KV-OH
- 230KV-OH
- Existing Access Roads
- LaPata Road Grading

Work Areas (Impacts)

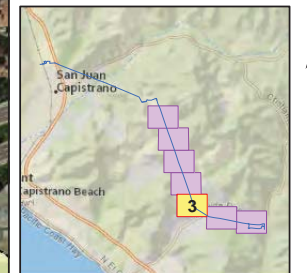
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Easements & Boundaries

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SOCRE Project Rights-of-Way Map Post R-DEIR Design (Design Date September 2015)

Sheet 2 of 7

Facilities

- Existing Structure to be used in place
- Proposed New Structure
- Existing OH
- 69KV-UG
- 69KV-OH
- 138KV-OH
- 230KV-OH
- Existing Access Roads
- LaPata Road Grading

Work Areas (Impacts)

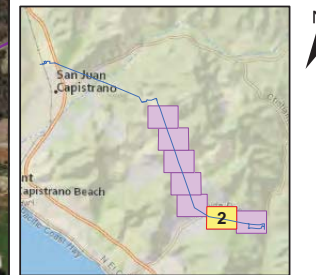
- Permanent Impact
- Temporary Work Area

Easements & Boundaries

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SOCRE Project Rights-of-Way Map Post R-DEIR Design (Design Date September 2015)

Sheet 1 of 7

Facilities

- Existing Structure to be used in place
- Proposed New Structure
- Existing OH
- 69KV-UG
- 69KV-OH
- 138KV-OH
- 230KV-OH
- Existing Access Roads
- LaPata Road Grading

Work Areas (Impacts)

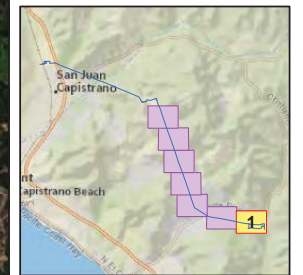
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Easements & Boundaries

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Appendix D

Existing and Proposed 12-kV Distribution Line Map Sheets

Updated: These map sheets have been relocated to Appendix C.

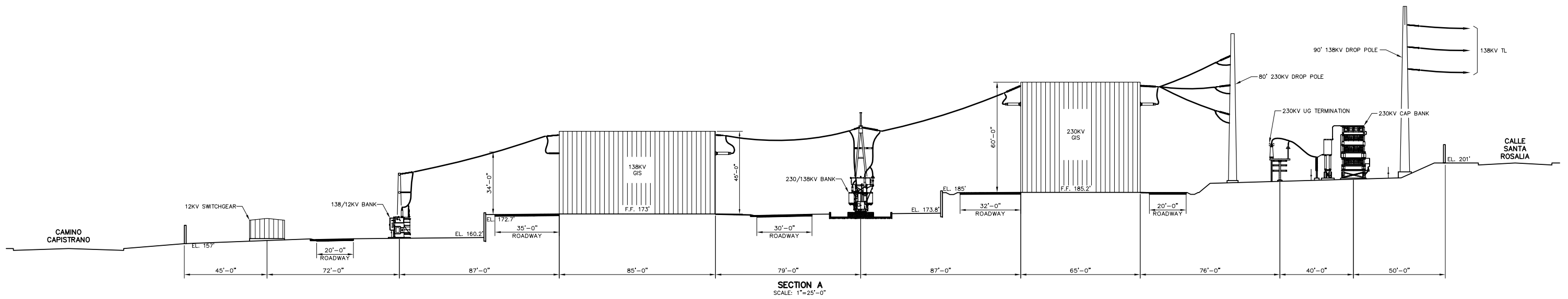
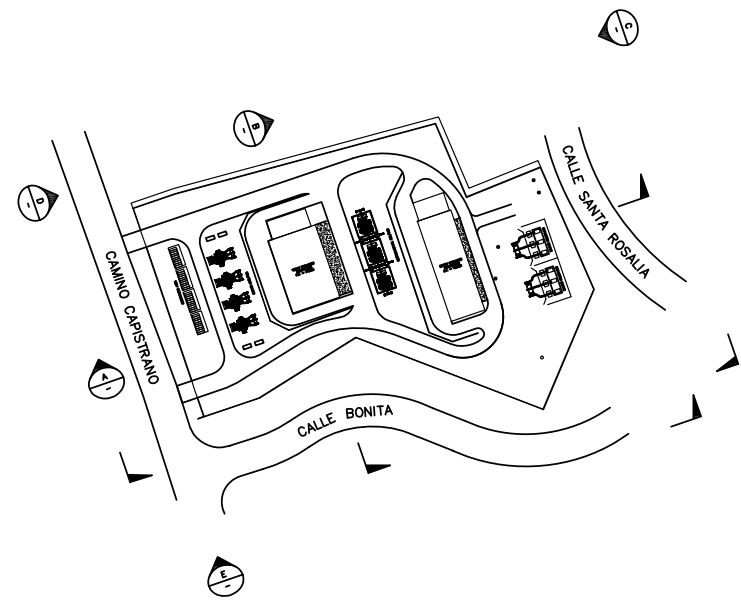
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Appendix E

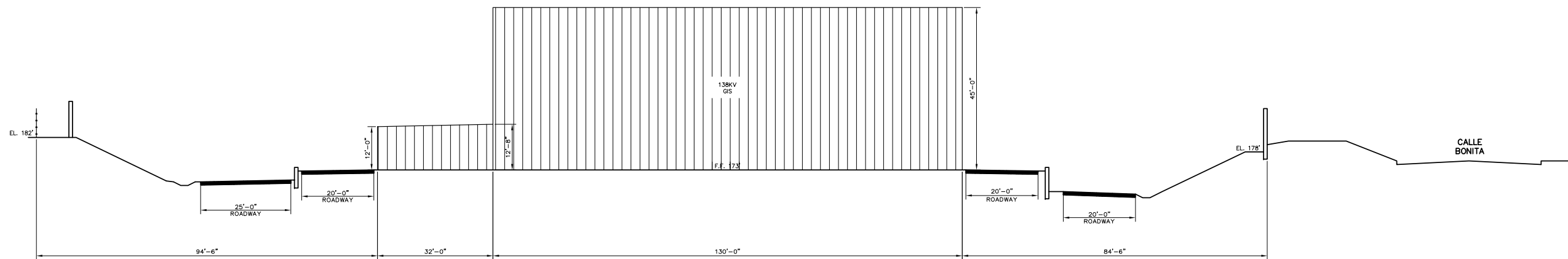
Profile Diagrams of Proposed San Juan
Capistrano Substation

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SAN JUAN CAPISTRANO SUBSTATION ELEVATION DRAWINGS



SECTION A
SCALE: 1"=25'-0"



SECTION B
SCALE: 1"=15'-0"

All building and equipment sizes depicted are approximate and subject to final manufacturer design.

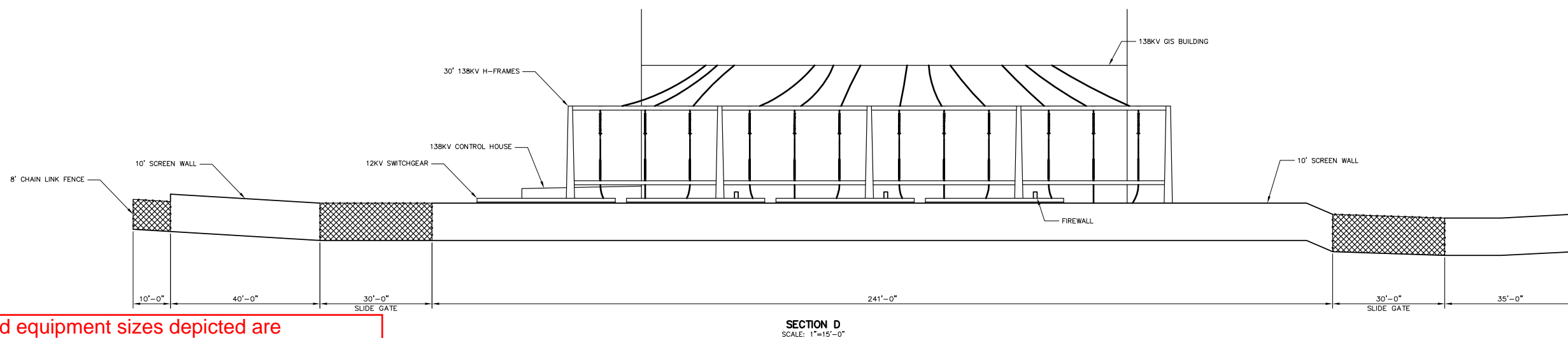
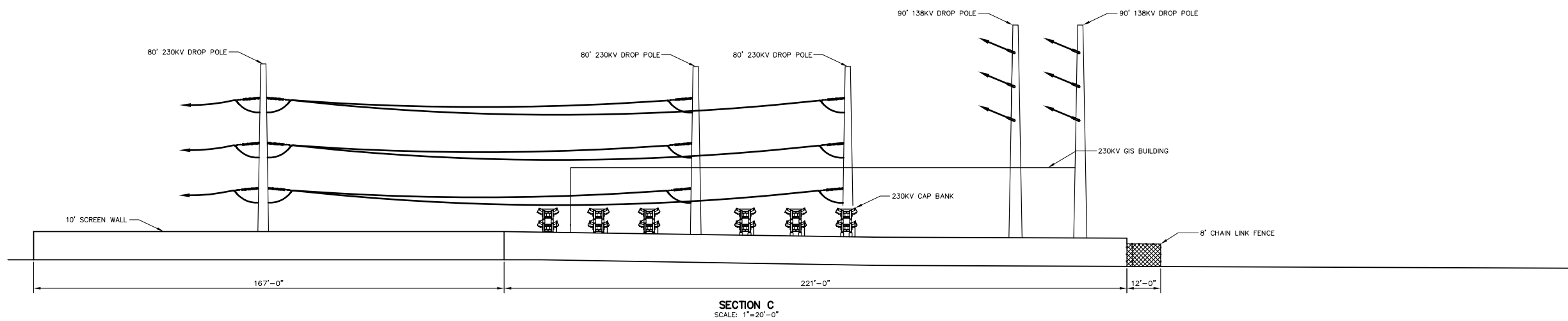
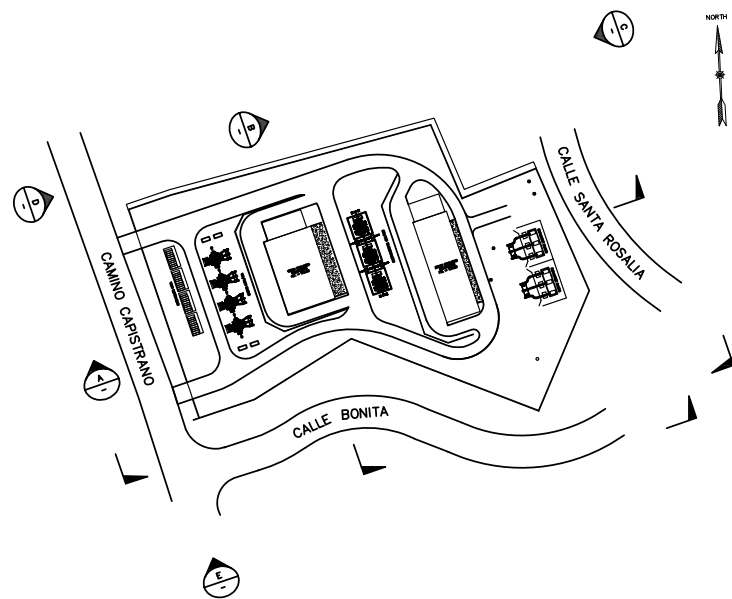
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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

CAPISTRANO SUBSTATION
ELEVATION

DRAWN BY: EV DATE: 1/11/12 SCALE: NONE W.D. REV. 0
 CHECKED BY: DATE: APPROVED BY: DATE: XX-X-XXX
 CAD NO.: ELEVATIONS A-B | PLOT SCALE: 1 = 1



All building and equipment sizes depicted are approximate and subject to final manufacturer design.

REVISIONS

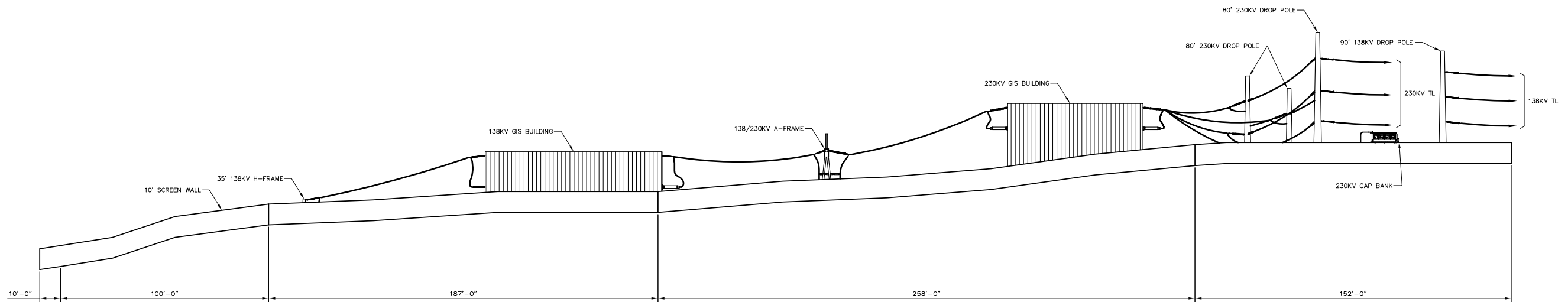
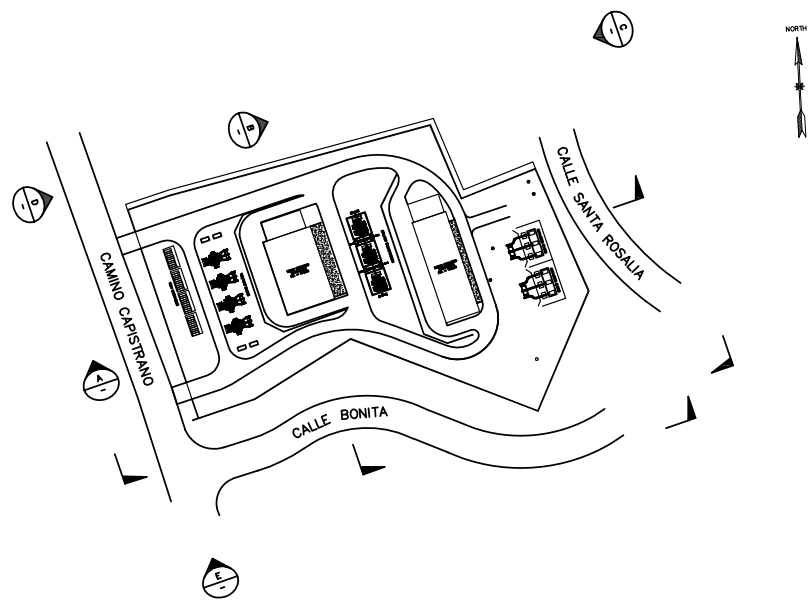
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0	NEW DWG (B&V)														

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

CAPISTRANO SUBSTATION
ELEVATION

DRAWN BY: EV	DATE: 1/11/12	SCALE: NONE	W.D.
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO: ELEVATIONS C-D		PLOT SCALE: 1 = 1	

XX-X-XXX



All building and equipment sizes depicted are approximate and subject to final manufacturer design.

SECTION E
SCALE: 1"=15'-0"

REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

CAPISTRANO SUBSTATION
ELEVATION

DRAWN BY: EV	DATE: 1/11/12	SCALE: NONE	W.D.	REV. 0
CHECKED BY:	DATE:			
APPROVED BY:	DATE:			
CAD NO: ELEVATION E	PLOT SCALE: 1 = 1			

XX-X-XXX

Appendix F

Detailed Construction Equipment Use Tables

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Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Transmission Segment 4 (Talega Hub to Talega Substation): 69kV and 138kV work	General Construction	3/4-ton or 1-ton Pick-up Truck	Transport construction personnel	6	NA	2
		Maintenance Truck	Maintain/Refuel Equip	1	NA	1
		Air Compressor	Operate Air Tools	3	NA	4
		Water Truck	Suppress Dust	2	NA	5
	Site Grading/Re-establish and Extend Existing Access Roads/Retaining Walls	Bulldozer	Grade pads and access roads	2	1.5	6
		Road Grader/Blade	Construct, maintain, and upgrade roads	1	1	8
		Scraper	Grade pads and access roads	1	2	3
		Compactor	Compact soil	1	3	4
		Backhoe/Front Loader	Load dump trucks, stockpile, excavation	2	2	4
		Dump/Haul Truck	Transport import/export material	3	2	8
		Excavator	Excavate and load material	2	2	6
		Drill Rig with Augers	Wall Foundation	2	1	8
		Crane (25 Ton)	Setting piers/lagging for wall	2	1	8
Concrete Truck	Wall foundation	2	1	8		

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
	Foundation Installations	Concrete Truck	Pour Concrete	1	3	2
		Drill Rig with Augers	Foundation Construction	2	3	6
		Backhoe	Foundation Construction	2	3	4
		Dump/Haul Truck	Haul excavated materials	2	3	4
	Underground Trench/ Conduit/ Substructure	Dump/Haul Truck	Transport excavated materials and import backfill	2	5	3
		Backhoe	Excavate trenches	1	5	4
		Large Crane (100 Ton)	Lift and set substructures	1	1	6
		Concrete Truck	Pour Concrete	1	1	4
		Compactor	Compact backfill within the trench	1	2	4
	Steel Structure Installations	2-ton Flatbed Truck	Deliver pole to site	1	5	2
		Large Crane	Pole Erection	2	5	3
		Aerial Bucket Truck	Pole Erection and Conductor Installation	4	5	6
	Cable/Conductor Pulling and Tensioning	Aerial Bucket Truck	Conductor Installation	2	3	6
Puller and Tensioner		Pull the conductor into position and secure it at the correct tension	2	3	6	
Reel Trailer		Feed new conductor to the pulling and tensioner	2	3	6	

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
			or collect old conductor			
		Splice Trailer	Store splicing supplies	1	3	6
	Removal of Wood Pole Structures	2-ton Flatbed Truck	Remove pole sections and hardware from site	1	4	2
		Aerial Bucket Truck	Pole deconstruction	2	4	3
		Chainsaw	Cut existing poles	2	4	1
		Backhoe/Frontloader	Excavate pole bases	1	4	2
		100 Ton Crane/Boom Truck	Lower pole sections and load onto trucks	1	4	2
Transmission Segment 1: Capistrano Substation Getaways 138 kV	General Construction	3/4-ton or 1-ton Pick-up Truck	Transport construction personnel	6	NA	2
		Maintenance Truck	Maintain/Refuel Equip	1	NA	1
		Air Compressor	Operate Air Tools	2	NA	4
		Water Truck	Suppress Dust	1	NA	4
	Site Development	Bulldozer	Grade pads and access roads	1	0.5	6
		Compactor	Compact soil	1	2	4
		Loader	Load dump trucks and stockpile	1	4	4
		Backhoe	Trench Excavation	1	4	4
		Dump/Haul Truck	Transport import/export	1	4	3

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
			material			
Transmission Segment 1: Capistrano Substation Getaways 138 kV	Bore Pits	Excavator	Excavate and load material	1	1	6
		Crane	Install/Remove shoring/boring equipment	1	1	3
		Jack-n-Bore Machine	Installs casing under RxR	1	1	8
	Foundation Installations	Concrete Truck	Pour Concrete	1	1	3
		Drill Rig with Augers	Foundation Construction	1	1	8
		Backhoe	Foundation Construction	1	1	3
		Dump/Haul Truck	Haul excavated materials and import backfill	1	1	2
	Underground Trench/ Conduit/ Substructure	Dump/Haul Truck	Transport excavated materials and import backfill	1	3	3
		100 Ton Crane	Lift and place materials	1	1	4
		Excavator	Excavate trenches	2	3	8
		Backhoe/Frontloader	Move dirt/excavate dirt	2	4	8
		Concrete Truck	Pour Concrete	1	3	2
		Compactor	Compact backfill within the trench	1	1	4

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Transmission Segment 1: Capistrano Substation Getaways 138 kV	Steel Structure Installations	2-ton Flatbed Truck	Deliver pole to site	1	1	4
		100 Ton Large Crane	Pole Erection	1	1	4
		Bucket Truck/Manlift	Pole Erection and Conductor Installation	2	2	8
	Cable/Conductor Pulling and Tensioning	Aerial Bucket Truck	Pole Erection and Conductor Installation	2	3	6
		Puller and Tensioner	Pull the conductor into position and secure it at the correct tension	1	3	4
		Reel Trailer	Feed new conductor to the pulling and tensioner or collect old conductor	1	3	4
		Splice Trailer	Store splicing supplies	1	2	4
	Removal of Structures	2-ton Flatbed Truck	Remove pole sections and hardware from site	1	1	3
		Aerial Bucket Truck	Detach conductor and equipment	2	1	6
		Backhoe/Front Loader	Break foundations and load material	1	1	4
		Jackhammer	Break foundations	1	1	4
		Dump/Haul Truck	Haul excavated materials and import backfill	1	1	3
		Large Crane (100 Ton)	Lower pole sections and	1	0.25	4

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
			load onto trucks			
Transmission Segment 3: Talega to Rancho San Juan 230 kV	General Construction	3/4-ton or 1-ton Pick-up Truck	Transport construction personnel	3	NA	2
		Maintenance Truck	Maintain/Refuel Equip	1	NA	1
		Air Compressor	Operate Air Tools	2	NA	4
		Water Truck	Suppress Dust	1	NA	4
	Site Grading/Re-establish and Extend Existing Access Roads/Retaining Walls	Bulldozer	Grade pads and access roads	1	2	6
		Road Grader/Blade	Construct, maintain, and upgrade roads	1	1	8
		Scraper	Grade pads and access roads	1	1	8
		Compactor	Compact soil	1	2	6
		Backhoe/Front Loader	Load dump trucks and stockpile	2	3	6
		Drill rig with augers	Drill piers for retaining wall	1	1	8
		Excavator	Excavate and load material	2	2	6
		Dump/Haul Truck	Transport import/export material	2	2	4
		Crane (25 Ton)	Set piers/lagging for	1	2	4

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
			retaining wall			
		Concrete Truck	Retaining wall piers	1	1	4
Transmission Segment 3: Talega to Rancho San Juan 230 kV	Foundation Installations	Concrete Truck	Pour Concrete	2	6	2
		Drill Rig with Augers	Foundation Construction	2	6	4
		Backhoe/Front Loader	Foundation Construction	2	6	6
		Dump/Haul Truck	Haul excavated materials and import backfill	2	6	3
	Steel Structure Installations	2-ton Flatbed Truck	Deliver pole to site	2	6	2
		Large Crane (100 Ton)	Tower Erection	2	6	3
		Aerial Bucket Truck	Tower Erection and Conductor Installation	4	6	4
	Conductor Pulling and Tensioning	Aerial Bucket Truck	Conductor Installation	4	3	4
		Puller and Tensioner	Pull the conductor into position and secure it at the correct tension	2	3	6
		Reel Trailer	Feed new conductor to the pulling and tensioner or collect old conductor	2	3	6

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Transmission Segment 3: Talega to Rancho San Juan 230 kV	Removal of Wood Structures	2-ton Flatbed Truck	Remove pole sections and hardware from site	2	6	2
		Aerial Bucket Truck	Detach conductor and equipment	4	6	4
		Backhoe/Front Loader	Break foundations and load material	2	6	3
		Jackhammer	Break foundations	1	6	3
		Dump/Haul Truck	Haul excavated materials and import backfill	1	6	2
		Crane (12 Ton)	Lower pole sections and load onto trucks	1	6	3
Transmission Segment 2: Rancho San Juan 230kV (South Run)	General Construction	3/4-ton or 1-ton Pick-up Truck	Transport construction personnel	3	NA	2
		Maintenance Truck	Maintain/Refuel Equip	1	NA	1
		Air Compressor	Operate Air Tools	2	NA	4
		Water Truck	Suppress Dust	1	NA	4

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Transmission Segment 2: Rancho San Juan 230kV (South Run)	Site Grading/Re-establish and Extend Existing Access Roads	Bulldozer	Grade pads and access roads	1	1	4
		Excavator	Excavate and load material	1	1	8
		Backhoe/Front Loader	Load dump trucks and stockpile	1	1	8
		Dump/Haul Truck	Transport import/export material	1	1	4
		Compactor	Compact soil	1	1	4
	Foundation Installations	Drill Rig with Augers	Foundation Construction	1	2	3
		Backhoe/Front Loader	Foundation Construction	1	2	3
		Dump/Haul Truck	Haul excavated materials and import backfill	1	2	2
		Concrete Truck	Pour Concrete	1	2	2
	Underground Trench/Conduit/ Substructure	Excavator	Excavate trench and material	2	2	8
		Backhoe/Front Loader	Excavate trenches	2	2	8
		Dump/Haul Truck	Transport excavated materials and import backfill	2	2	5
		Crane (12-ton)	Lift and place materials	1	2	2
		Concrete Truck	Pour Concrete	2	2	2

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
		Compactor	Compact backfill	1	2	2
Transmission Segment 2: Rancho San Juan 230kV (South Run)	Steel Structure Installations	2-ton Flatbed Truck	Deliver pole to site	1	0.5	4
		Large Crane (100 Ton)	Tower Erection	1	0.5	8
		Aerial Bucket Truck	Tower Erection and Conductor Installation	2	0.5	8
	Cable/Conductor Pulling and Tensioning	Aerial Bucket Truck	Tower Erection and Conductor Installation	4	2	6
		Puller and Tensioner	Pull the conductor into position and secure it at the correct tension	2	2	4
		Reel Trailer	Feed new conductor to the pulling and tensioner or collect old conductor	2	2	4
		Splice Trailer	Store splicing supplies	2	2	4
	Removal of Steel Riser Structures	2-ton Flatbed Truck	Remove pole sections and hardware from site	1	0.5	4
		Aerial Bucket Truck	Tower Erection and Conductor Installation	2	0.5	8
		Backhoe/Front Loader	Break foundations and load material	1	0.5	4
		Jackhammer	Break foundations	2	0.5	6
		Dump/Haul Truck	Haul excavated materials and import backfill	1	0.5	2

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
		Large Crane (100 Ton)	Lower pole sections and load onto trucks	1	0.5	2
Transmission Segment 1: Rancho San Juan to San Juan Capistrano 230 kV	Site Grading/Re-establish and Extend Existing Access Roads/Retaining Walls	Water Truck	Suppress dust	1	3	6
		Bulldozer	Grade pads and access roads	1	2	6
		Road Grader/Blade	Construct, maintain, and upgrade roads	1	1	8
		Scraper	Grade pads and access roads	1	1	8
		Compactor	Compact soil	1	2	6
		Backhoe/Front Loader	Load dump trucks and stockpile	2	3	6
		Drill rig with augers	Drill piers for retaining wall	1	1	8
		Excavator	Excavate and load material	2	2	6
		Dump/Haul Truck	Transport import/export material	2	2	4
		Crane (25 Ton)	Set piers/lagging for retaining wall	1	2	4
		Concrete Truck	Retaining wall piers	1	1	4

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Transmission Segment 1: Rancho San Juan to San Juan Capistrano 230 kV	Foundation Installations	Concrete Truck	Pour Concrete	1	3	2
		Drill Rig with Augers	Foundation Construction	1	3	4
		Backhoe/Front Loader	Foundation Construction	1	3	6
		Dump/Haul Truck	Haul excavated materials and import backfill	1	3	3
	Foundation Installations	Concrete Truck	Pour Concrete	1	3	2
		Drill Rig with Augers	Foundation Construction	1	3	4
		Backhoe/Front Loader	Foundation Construction	1	3	6
		Dump/Haul Truck	Haul excavated materials and import backfill	1	3	3
	Steel Structure Installations	2-ton Flatbed Truck	Deliver pole to site	2	6	2
		Large Crane	Tower Erection	2	6	3
		Aerial Bucket Truck	Tower Erection and Conductor Installation	4	6	4
	Conductor Pulling and Tensioning	Aerial Bucket Truck	Conductor Installation	4	3	4
		Puller and Tensioner	Pull the conductor into position and secure it at the correct tension	2	3	6
Reel Trailer		Feed new conductor to the pulling and tensioner or collect old conductor	2	3	6	

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Transmission Segment 1: Rancho San Juan to San Juan Capistrano 230 kV	Removal of Wood Structures	2-ton Flatbed Truck	Remove pole sections and hardware from site	1	6	2
		Aerial Bucket Truck	Tower Erection and Conductor Installation	2	6	4
		Backhoe/Front Loader	Break foundations and load material	1	6	3
		Jackhammer	Break foundations	1	6	3
		Dump/Haul Truck	Haul excavated materials and import backfill	1	6	2
		Crane (12 Ton)	Lower pole sections and load onto trucks	1	6	3
Transmission Segment 4: Talega Hub to Talega Substation TL230kV	General Construction	3/4-ton or 1-ton Pick-up Truck	Transport construction personnel	3	NA	2
		Maintenance Truck	Maintain/Refuel Equip	1	NA	1
		Air Compressor	Operate Air Tools	3	NA	4
		Water Truck	Suppress Dust	2	NA	5

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Transmission Segment 4: Talega Hub to Talega Substation TL230kV	Site Grading/Re-establish and Extend Existing Access Roads/Retaining Walls	Bulldozer	Grade pads and access roads	1	0.5	6
		Road Grader/Blade	Construct, maintain, and upgrade roads	1	0.5	8
		Scraper	Grade pads and access roads	1	0.5	3
		Compactor	Compact soil	1	2	2
		Backhoe/Front Loader	Load dump trucks, stockpile, excavation	2	2	4
		Dump/Haul Truck	Transport import/export material	2	2	3
		Excavator	Excavate and load material	1	2	6
		Drill Rig with Augers	Wall Foundation	1	1	6
		Crane (25 Ton)	Setting piers/lagging for wall	1	1	6
		Concrete Truck	Wall foundation	1	2	3
	Foundation Installations	Concrete Truck	Pour Concrete	1	2	3
		Drill Rig with Augers	Foundation Construction	2	2	6
		Backhoe	Foundation Construction	1	2	4
		Dump/Haul Truck	Haul excavated materials	2	2	3

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Transmission Segment 4: Talega Hub to Talega Substation TL230kV	Steel Structure Installations	2-ton Flatbed Truck	Deliver pole to site	1	5	2
		Large Crane (100 Ton)	Pole Erection	1	5	3
		Aerial Bucket Truck	Pole Erection and Conductor Installation	2	5	6
	Conductor Pulling and Tensioning	Aerial Bucket Truck	Conductor Installation	2	3	6
		Puller and Tensioner	Pull the conductor into position and secure it at the correct tension	2	3	6
		Reel Trailer	Feed new conductor to the pulling and tensioner or collect old conductor	2	3	6
	Removal of Wood Pole Structures	2-ton Flatbed Truck	Remove pole sections and hardware from site	1	4	2
		Aerial Bucket Truck	Pole deconstruction	2	4	3
		Chainsaw	Cut existing poles	2	4	1
		Backhoe/Frontloader	Excavate pole bases	1	4	2
		Large Crane (100 Ton)	Lower pole sections and load onto trucks	1	4	2
	Transmission Segment 2: Rancho San Juan	General Construction	3/4-ton or 1-ton Pick-up Truck	Transport construction personnel	3	NA
Maintenance Truck			Maintain/Refuel Equip	1	NA	1
Air Compressor			Operate Air Tools	2	NA	4

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
138/230kV (North Runs)		Water Truck	Suppress Dust	1	NA	4
Transmission Segment 2: Rancho San Juan 138/230kV (North Runs)	Site Grading/Re-establish and Extend Existing Access Roads	Excavator	Trench Excavate and load material	1	1	4
		Backhoe/Front Loader	Trench Excavation and load material	1	1	8
		Dump/Haul Truck	Transport import/export material	1	1	8
		Compactor	Compact soil	1	1	4
	Underground Trench/Conduit/ Substructure	Excavator	Trench Excavate and load material	2	3	8
		Backhoe/Front Loader	Trench Excavation and load material	2	3	8
		Dump/Haul Truck	Transport excavated materials and import backfill	2	3	4
		Crane (12-ton)	Lift and place materials	1	3	2
		Concrete Truck	Pour Concrete	2	3	2
		Compactor	Compact backfill within the trench	1	3	2
	Steel Structure Installations	2-ton Flatbed Truck	Deliver pole to site	1	0.5	4
		Large Crane (100 Ton)	Tower Erection	2	0.5	8

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
		Aerial Bucket Truck	Tower Erection and Conductor Installation	2	0.5	8
Transmission Segment 2: Rancho San Juan 138/230kV (North Runs)	Cable/Conductor Pulling and Tensioning	Aerial Bucket Truck	Tower Erection and Conductor Installation	4	3	6
		Puller and Tensioner	Pull the conductor into position and secure it at the correct tension	2	3	4
		Reel Trailer	Feed new conductor to the pulling and tensioner or collect old conductor	2	3	4
		Splice Trailer	Store splicing supplies	2	3	4
	Removal of Steel Riser Structure	2-ton Flatbed Truck	Remove pole sections and hardware from site	1	0.5	4
		Aerial Bucket Truck	Tower Erection and Conductor Installation	2	0.5	8
		Excavator	Break foundations and load material	1	0.5	4
		Jackhammer	Break foundations	2	0.5	6
		Dump/Haul Truck	Haul excavated materials and import backfill	1	0.5	2
		Large Crane (100 Ton)	Lower pole sections and load onto trucks	1	0.5	2

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Substation: Talega 138 kV	General Construction ¹	¾-ton or 1-ton Pickup Truck	Transport and support construction personnel	3	10	1
		Air Compressor	Operate air tools	1	8	1
		Mechanic Truck	Maintain and refuel equipment	1	4	1
	Site Development	Bulldozer	Grade pads and access roads	NA		
		Road Grader/Blade	Construct, maintain, and upgrade roads	NA		
		Scraper	Grade pads and access roads	NA		
		Compactor	Compact soil	NA		
		Loader	Load dump trucks and stockpile	NA		
		Backhoe	Trench Excavation	NA		
		Water Truck	Suppress dust	NA		
		Dump/Haul Truck	Transport import/export material	NA		
Excavator	Excavate and load material	NA				

¹ Equipment associated with General Construction would be used throughout construction of the entire Proposed Project component.

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
	Below Grade Construction	Concrete Truck	Pour concrete	71	1	1
		Drill Rig with Augers	Drill pier foundations	1	.5	6
		Backhoe	Excavate pad foundations	1	.5	6
		Fork Lift/Skid Steer Loader	Move rebar, equipment, masonry, and other materials	NA		
		Small Mobile Crane (12-ton)	Place material and set steel	NA		
		Trencher/Ditch Witch	Excavate trenches	1	3	6
		Loader	Move bulk material	1	2	6
		Water Truck	Suppress dust	1	3	1
		Handheld Compactor	Compact soil	2	2	4
		Dump/Haul Truck	Transport import/export material	62	1	1
Substation: Talega 138 kV	Above Grade Construction	¾-ton or 1-ton Pickup Truck	Transport and support construction personnel	3	6	1
		Bucket Truck/Manlift	Set steel and install equipment	1	6	6
		Large Crane	Place material and set steel	NA		
		Boom Truck	Place material and set	1	3	6

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
			steel			
Substation: Talega 138 kV	Above Grade Construction	Fork Lift/Skid Steer Loader	Unload and move material	1	.3	2
		Line Truck	Assist with overhead conductor installation	2	6	1
		Cable Dolly (trailer)	Transport reels of conductor	1		1
		Stringing Rig (trailer)	Assist with conductor installation	1		1
		100-hp Oil Processing Truck	Process transformer Oil	NA		
	Relay Testing	Relay/Telecommunication Van	Transport and support construction personnel	1	1	1
	138 kV Substation Cutover & Energization (138kV)	Line Truck	Assist with overhead conductor installation	4	1	8
Relay/Telecommunication Van		Test relay and telecommunications devices	1	1	1	
Substation: San Juan Capistrano 230kV	Remove RFS 138/12 kV Equipment	Dump/Haul Truck	Haul excavated materials and import backfill	62	1	1
		Large Crane	Remove steel	1	.5	8
		Flatbed	Haul steel & RFS sub equipment	40	1	3

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
		Boom Truck	Lift equipment	2	2	6
		Crew trucks	Transport crew & tools	2	2	1
Substation: San Juan Capistrano 230kV	Site Development	Bulldozer	Grade pads and access roads	2	3	8
		Road Grader/Blade	Construct, maintain, and upgrade roads	1	3	8
		Scraper	Grade pads and access roads	2	3	8
		Compactor	Compact soil	1	3	8
		Loader	Load dump trucks and stockpile	1	3	8
		Backhoe	Trench Excavation	1	3	8
		Water Truck	Suppress dust	1	3	2
		Dump/Haul Truck	Transport import/export material	761	3	1
		Excavator	Excavate and load material	1	3	6

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Substation: San Juan Capistrano 230kV	Below Grade Construction	Concrete Truck	Pour concrete	962	6	1
		Drill Rig with Augers	Drill pier foundations	1	.5	8
		Backhoe	Excavate pad foundations	1	6	8
		Fork Lift/Skid Steer Loader	Move rebar, equipment, masonry, and other materials	1	6	4
		Small Mobile Crane (12-ton)	Place material and set steel	1	6	2
		Trencher/Ditch Witch	Excavate trenches	1	6	8
		Loader	Move bulk material	1	4	6
		Water Truck	Suppress dust	1	6	2
		Handheld Compactor	Compact soil	1	4	8
		Dump/Haul Truck	Transport import/export material	600	4	1
	Above Grade Construction	¾-ton or 1-ton Pickup Truck	Transport and support construction personnel	4	10	1
		Bucket Truck/Manlift	Set steel and install equipment	2	10	8
		Large Crane	Place material and set steel	1	3	6
		Boom Truck	Place material and set	2	9	6

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
			steel			
Substation: San Juan Capistrano 230kV	Above Grade Construction	Fork Lift/Skid Steer Loader	Unload and move material	2	10	6
		Line Truck	Assist with overhead /underground conductor installation	2	2	8
		Cable Dolly (trailer)	Transport reels of conductor	1	2	2
		Stringing Rig (trailer)	Assist with conductor installation	1	1	8
		SF6 gas cart (electric)	Fill equipment with SF6	1	.75	24
		100-hp Oil Processing Truck	Process transformer Oil	1	.5	24
	Relay Testing	Relay/Telecommunication Van	Transport and support construction personnel	2	5	1
	De-energize Temporary TL13835	Relay/Telecommunication Van	Transport and support construction personnel	1	.3	1
		Line Truck	Assist with overhead /underground conductor installation	2	.3	8
		Cable Dolly (trailer)	Transport reels of conductor	1	.5	2
		Boom Truck	Place material and set	1	.5	8

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
			steel			
Substation: San Juan Capistrano 230kV	Energization 230 kV Substation & Cutovers	Relay/Telecommunication Van	Transport and support construction personnel	2	1	1
		Line Truck	Assist with sub const	2	1	1
Substation: San Juan Capistrano 138/12 kV	Building Removal	2-ton Flatbed Truck	Remove building material	1	2	8
		Bucket Truck/Manlift	Building removal	1	2	6
		Excavator	Break foundations and load material	1	2	6
		Jackhammer	Break foundations	2	2	6
		Forklift	Load building spoil	2	2	6
		Dump/Haul Truck	Haul excavated materials and import backfill	32.5	2	1
		Large Crane	Knock building down	1	1	6
		Reel Trailer	Feed new conductor to the pulling and tensioner or collect old conductor	1	.5	6

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Substation: San Juan Capistrano 138/12 kV	Site Development	Bulldozer	Grade pads and access roads	2	4	8
		Road Grader/Blade	Construct, maintain, and upgrade roads	2	4	8
		Scraper	Grade pads and access roads	2	4	8
		834 Rubber Tire Compactor	Compact soil	1	6	8
		Loader	Load dump trucks and stockpile	1	6	6
		Backhoe	Trench Excavation	1	6	6
		Water Truck	Suppress dust	1	6	4
		Dump/Haul Truck	Transport import/export material	641	6	1
		Excavator	Excavate and load material	1	2	6
	Below Grade Construction	Concrete Truck	Pour concrete	1290	5	1
		Drill Rig with Augers	Drill pier foundations	1	1	8
		Backhoe	Excavate pad foundations	1	8	8
		Fork Lift/Skid Steer Loader	Move rebar, equipment, masonry, and other materials	1	8	5

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Substation: San Juan Capistrano 138/12 kV	Below Grade Construction	Small Mobile Crane (12-ton)	Place material and set steel	1	8	2
		Trencher/Ditch Witch	Excavate trenches	1	8	8
		Loader	Move bulk material	1	5	6
		Water Truck	Suppress dust	1	8	2
		Handheld Compactor	Compact soil	1	5	6
		Dump/Haul Truck	Transport import/export material	806	6	1
	Above Grade Construction	¾-ton or 1-ton Pickup Truck	Transport and support construction personnel	4	13	1
		Bucket Truck/Manlift	Set steel and install equipment	2	13	8
		Large Crane	Place material and set steel	1	3	8
		Boom Truck	Place material and set steel	2	10	5
		Fork Lift/Skid Steer Loader	Unload and move material	2	12	8
		Line Truck	Assist with underground conductor installation	2	1	6

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (months)	Average Duration of Use (hours per day)
Substation: San Juan Capistrano 138/12 kV	Above Grade Construction	Cable Dolly (trailer)	Transport reels of conductor	1	3	2
		Stringing Rig (trailer)	Assist with conductor installation	NA		
		SF6 gas cart (electric)	Fill equipment with SF6	1	1	24
		100-hp Oil Processing Truck	Process transformer Oil	1	.2	24
	Relay Testing	Relay/Telecommunication Van	Transport and support construction personnel	2	6	1
	Energization (138 kV) 138/12 kV Substation Cutovers	Relay/Telecommunication Van	Transport and support construction personnel	2	1	1
		Line Truck	Assist with sub const	2	1	1
	Energize Temporary TL13835	Relay/Telecommunication Van	Transport and support construction personnel	2	1	1
		Line/Crew Truck	Assist with sub const	2	1	1
		Bucket Truck/Manlift	Set steel and install equipment	2	1	8
		Stringing Rig (trailer)	Assist with conductor installation	1	.5	4

APPENDIX B

Detailed Equipment Use Table

Distribution Lines

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (days)	Average Duration of Use (hours per day)
Part 1: Underground Distribution re-route (west of Capistrano Substation) – November 2013 start date	Install New Cable Pole (2 days)	Drilling rig	Drill hole	1	2	6.4
		Loader	Load spoils, wastes	1	2	3.2
		Water Truck	Dust/fire control	1	2	0.8
		Air compressor	Operate tools	1	2	6.4
		Concrete Truck	Deliver concrete/slurry	1	2	1.6
		Bucket Truck	Set up top section of pole	1	2	1.6
		Flatbed truck	Deliver pole	1	2	2.4
		1-ton pickup truck	Transport personnel	1	2	2.4
		Boom truck	Set base and top section of pole	1	2	1.6
	Trenching – west and south of Capistrano Substation site (2 days)	Saw cut	Cut pavement and road materials	1	2	8
		Backhoe	Excavation	2	2	8
		Bobcat	Moving dirt and steel plates	1	2	2
		Dump truck	Remove soil/waste	3	2	8
		Water truck	Dust/fire control	1	2	8
		Concrete truck	Deliver concrete/slurry	5	2	2
Foreman truck		Transport personnel	3	2	8	
Crew truck		Transport personnel	2	2	8	

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (days)	Average Duration of Use (hours per day)
Part 1 (cont): Underground Distribution re-route (west of Capistrano Substation) – November 2013 start date	Trenching (cont) – west and south of Capistrano Substation site	Air compressor	Operate tools	1	2	8
		Pavement roller	Asphalt (road repair)	1	2	8
		Vibrating plate	Asphalt (road repair)	1	2	2
		Bitumen (emulsion) sprayer	Final road repair	1	2	1
		4-inch grinder	Final road repair	1	2	3
		Spreader box	Final road repair	1	2	2
		Arrow board	Traffic control	2	2	8
	Conductor pulling – west and south of Capistrano Substation site (1 day)	Boom truck	Pull cable	1	1	8
		Reel trailer	Feed cable into structure	1	1	8
		1-ton pickup	Transport personnel	2	1	8
		Arrow board	Traffic control	1	1	8

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (days)	Average Duration of Use (hours per day)
Part 2: Construct Distribution Circuits - Capistrano to Prima Deschecha and at Talega – December 2014 start date	Cable Pole (at I-5) Foundations (4 days)	Drilling rig	Drill hole	1	4	8
		Fork lift	Move equipment to the ROW	1	4	6
		Water Truck	Dust/fire control	1	4	2
		Air compressor	Operate tools	1	4	8
		Concrete Truck	Deliver concrete/slurry	1	4	1.6
		Boom Truck	Set plate	1	4	4
		Flatbed truck	Deliver materials	1	4	3
	1-ton pickup truck	Transport personnel	1	4	3	
	Cable Pole (at I-5) – Set Poles (4 days)	Boom truck	Set base and top section of poles	1	4	3
		Bucket truck	Set top section	1	4	3
		Water truck	Dust/fire control	1	4	2
		1-ton pickup	Transport personnel	1	4	2
		Flat bed truck	Deliver pole sections	1	4	2

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (days)	Average Duration of Use (hours per day)
Part 2 (cont): Construct Distribution Circuits - Capistrano to Prima Deschecha and at Talega – December 2014 start date	String Conductor between new cable poles at I-5 (3 days)	Puller and tensioner	Pull new conductor	1	3	3
		Reel trailer	Feed conductor into puller	1	3	3
		Bucket truck	Install conductor, act as guard structure	2	3	3
		1-ton pickup truck	Transport personnel	2	3	3
		Water truck	Dust/fire control	2	3	3
	Trenching from Capistrano to Rancho Viejo Road (4 days)	Saw cut	Cut pavement and road materials	1	4	8
		Backhoe	Excavation	2	4	8
		Bobcat	Moving dirt and steel plates	1	4	2
		Dump truck	Remove soil/waste	3	4	8
		Water truck	Dust/fire control	1	4	8
		Concrete truck	Deliver concrete/slurry	5	4	2
		Foreman truck	Transport personnel	3	4	8
		Crew truck	Transport personnel	2	4	8
		Air compressor	Operate tools	1	4	8
Pavement roller	Asphalt (road repair)	1	4	8		

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (days)	Average Duration of Use (hours per day)
Part 2 (cont): Construct Distribution Circuits - Capistrano to Prima Deschecha and at Talega – December 2014 start date	Trenching (cont) from Capistrano to Rancho Viejo Road (4 days)	Vibrating plate	Asphalt (road repair)	1	4	2
		Bitumen (emulsion) sprayer	Final road repair	1	4	1
		4-inch grinder	Final road repair	1	4	3
		Spreader box	Final road repair	1	4	2
		Arrow board	Traffic control	2	4	8
	Pull conductor from Capistrano to Rancho Viejo Road (8 days)	Boom truck	Pull cable	1	8	8
		Reel trailer	Feed cable into structure	1	8	8
		1-ton pickup	Transport personnel	2	8	8
		Arrow board	Traffic control	1	6	8
	Pull conductor within Rancho Viejo Road (4 days)	Boom truck	Pull cable	1	4	8
		Reel trailer	Feed cable into structure	1	4	8
		1-ton pickup	Transport personnel	2	4	8
		Arrow board	Traffic control	1	4	8
	Pull conductor within La Pata Ave. (1 day)	Boom truck	Pull cable	1	1	8
		Reel trailer	Feed cable into structure	1	1	8
		1-ton pickup	Transport personnel	2	1	8
		Arrow board	Traffic control	1	1	8

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (days)	Average Duration of Use (hours per day)
Part 2 (cont): Construct Distribution Circuits - Capistrano to Prima Deschecha and at Talega – December 2014 start date	Construct overhead along La Pata Avenue (10 days)	Drilling rig	Drill hole	1	8	6.4
		Loader	Load spoils, wastes	1	8	3.2
		Water truck	Dust/fire control	1	10	0.8
		Air compressor	Operate tools	1	8	2
		Bucket truck	Set top section of poles	1	8	1.6
		Flatbed truck	Deliver pole sections	1	1	2.4
		1-ton pickup truck	Transport personnel	1	8	2.4
	Boom truck	Set base and top section of poles	1	8	1.6	
	Conductor stringing along La Pata Avenue (6 days)	Puller and tensioner	Pull new conductor	1	6	6
		Reel trailer	Feed new conductor	1	6	6
		Bucket truck	Install new conductor, act as guard structure	1	6	6
		1-ton pickup truck	Transport personnel	2	6	6
		Water truck	Dust/fire control	1	6	2
	Conductor pulling – underground along La Pata and Vista Montana (2 days)	Boom truck	Pull cable	1	2	8
		Reel trailer	Feed cable into structure	1	2	8
		1-ton pickup	Transport personnel	2	2	8
Arrow board		Traffic control	1	2	8	

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (days)	Average Duration of Use (hours per day)
Part 2 (cont): Construct Distribution Circuits - Capistrano to Prima Deschecha and at Talega – December 2014 start date	Remove poles and conductor along La Pata Avenue (6 days)	Puller and tensioner	Pull existing conductor	1	6	3
		Reel trailer	Feed existing conductor onto reel	1	6	3
		Bucket truck	Remove conductor, act as guard structure	1	6	3
		1-ton pickup truck	Transport personnel	2	6	6
		Water truck	Dust/fire control	1	2	6
		Boom truck with hydraulic pole puller	Remove poles	1	6	3
	Trenching – north of Talega substation (2 days)	Saw cut	Cut pavement and road materials	1	2	8
		Backhoe	Excavation	2	2	8
		Bobcat	Moving dirt and steel plates	1	2	2
		Dump truck	Remove soil/waste	3	2	8
		Water truck	Dust/fire control	1	2	8
		Concrete truck	Deliver concrete/slurry	5	2	2
		Foreman truck	Transport personnel	3	2	8
		Crew truck	Transport personnel	2	2	8
		Air compressor	Operate tools	1	2	8
	Pavement roller	Asphalt (road repair)	1	2	8	

Project Component	Activity	Equipment	Use	Approximate Quantity	Approximate Duration On Site (days)	Average Duration of Use (hours per day)
Part 2 (cont): Construct Distribution Circuits - Capistrano to Prima Deschecha and at Talega – December 2014 start date	Trenching (cont) – north of Talega substation (2 days)	Vibrating plate	Asphalt (road repair)	1	2	2
		Bitumen (emulsion) sprayer	Final road repair	1	2	1
		4-inch grinder	Final road repair	1	2	3
		Spreader box	Final road repair	1	2	2
		Arrow board	Traffic control	2	2	8
	Conductor pulling – north of Talega Substation (2 days)	Boom truck	Pulling cable	1	2	8
		Reel trailer	Feeding cable into structure	1	2	8
		1-ton pickup	Transport personnel	2	2	8
		Arrow board	Traffic control	1	2	8

Appendix G

Detailed Construction Schedule

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Table 3-15: Proposed Construction Schedule

Proposed Project Segment/Task	Months	Anticipated Start Date*
Issuance of the Notice To Proceed (NTP) ¹		January 2015
138kV Capistrano Substation getaways (Segment 1)	5	April 2015
Reroute 12kV circuit(s) to temporary position	1	April 2015
Remediate & Demo existing buildings in lower yard	2	April 2015
Lower yard site grading (Phase 1)	6	June 2015
Lower yard site development (walls, drainage, etc)	3	September 2015
Cutover existing 138/12kV substation to new 138/12kV substation	1	September 2017
Construction pad and access road grading for 230kV structure sites between San Juan Capistrano and Talega substations (Segments 1 – 4)	8	April 2015
Construct structure foundations for new 230kV poles (Segments 1 – 4)	10	July 2015
Construct underground 230kV ducts (TL23030) along Vista Montana (Segment 2).	4	April 2015
De-energize TL13835 & construct underground 230kV ducts (TL23007) along Vista Montana (Segment 2). Re-energize TL13835 ²	4	November 2017
Construct 138 kV temporary tap at Pico Substation	1	October 2017
Construct new 230kV overhead transmission lines (set poles and pull conductor – Segments 1 – 4)	4	November 2017
Construct temporary TL13835 at San Juan Capistrano Substation	1	October 2017
Remove equipment and foundations in upper yard	2	October 2017

¹ Start of construction is dependent on CPUC approval and issuance of NTP.

² This work will occur upon completion of the new Capistrano 138kV yard. Note that work on new 230kV transmission line cannot occur until an outage is granted for the existing TL13835.

Proposed Project Segment/Task	Months	Anticipated Start Date*
Remediate and grade upper yard (Phase 2)	3	December 2017
Upper yard (230kV) substation below grade construction	6	March 2018
Upper yard (230kV) substation construction	10	July 2018
230kV testing and energizing (TL23030) at San Juan Capistrano Substation	5	January 2019
De-energize temporary TL13835 & install Bank 60's 138kV line position	1	June 2019
Rearrange 69kV and 1389kV from Talega Hub to Talega Substation (Segment 4)	8	September 2019
Construct TL23007 Talega Hub to Talega Substation	1	June 2020
Proposed Project In Service Date ³		July 2020
Site and ROW Restoration ⁴	4	October 2017
*Dates are dependent on when all permits are obtained. Source: SDG&E		

³All construction sequencing shown above is preliminary. Final construction sequencing is dependent on many factors, including, but not limited to, outage availability (including ISO approval as necessary) and weather.

⁴Restoration will be ongoing throughout the project. Total duration of restoration work is necessarily continuous.

Appendix H

Electric and Magnetic Field Management Plan

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Detailed Magnetic Field Management Plan
for the
South Orange County
Reliability Enhancement Project

Project Engineer: **Willie Thomas** (Team Lead IV-Trans Eng)
Project Designer: **Chuck Matyac** (Sr. Trans Eng Designer- Trans Eng)

Work Order No.: **BP5984480**
In-Service Date: **2017**

Transmission Lines: **TL695, 13812, 13816, 13831, 13833, 13834, 13835, 13836,13837, 13846, 13847, 13848, 23007, 23030**

Central File No.: **ELA 140.B.XX**

Prepared by: Gerald Bennett – Transmission portion
S.C. Campbell - Substation portion

Date: 04/23/2012

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I. Project Scope

The South Orange County Reliability Enhancement Project (Proposed Project) is intended to meet the area load growth and service reliability for approximately 129,000 customers within southern Orange County. In order to increase service and reliability to its customers and substations in the southern Orange County region, SDG&E is proposing to replace the existing 138/12kV Capistrano Substation with a new 230/138/12kV Gas Insulated Substation (GIS), conducting minor alterations to the existing Talega Substation, and bringing two (2) new 230kV transmission lines into the southern Orange County area by replacing a section of an existing 138kV transmission line (TL13835) with a new 230kV double-circuit extension between Capistrano Substation and Talega Substation. The Proposed Project would have an anticipated in-service date of approximately 2017.

The new 230kV double circuit will be an extension of TL23007 and TL23030 from the Talega Substation area to the Capistrano Substation. This "Detailed Magnetic Field Management Plan (FMP)" is for analysis of the new 230kV double circuit extension.

II. Magnetic Field Management Design Guidelines

The California Public Utilities Commission ("CPUC") requires SDG&E apply its *EMF¹ Design Guidelines for Electrical Facilities* ("Guidelines") to all new electric transmission projects to reduce public exposure to magnetic fields. SDG&E filed its Guidelines with the CPUC in accordance with CPUC Decision 93-11-013 and updated them in accordance with the 2006 CPUC Decision 06-01-042.

Consistent with SDG&E's Guidelines and with the CPUC order, magnetic fields and possible magnetic field management measures were evaluated along the existing, and proposed, transmission circuit locations associated with the Project. The results of this evaluation are contained in this FMP.

The FMP deals solely with magnetic fields. Moreover, reducing the magnetic field strength is but one of many factors to be considered in planning and designing a transmission system, along with other issues such as safety, environmental concerns, reliability, insulation and electrical clearance requirements, aesthetics, cost, operations and maintenance.

III. Methodology

In Decision 06-01-042, the CPUC notes that modeling is used to compare the relative effectiveness of field-reduction options and is not to be used to predict post-construction field levels. CPUC Decision 06-01-042, Finding of Fact 14: "Utility modeling methodology is intended to compare differences between alternative EMF [Electromagnetic Field] mitigation measures and not determine actual EMF amounts."² The CPUC also notes that "modeling indicates relative differences in magnetic field reductions between different transmission line construction methods, but does not measure actual environmental magnetic fields."³

¹ EMF refers to electric and magnetic fields.

² CPUC Decision D.06-01-042, Finding of Fact 14, p. 20.

³ Ibid, p.11.

In accordance with its Guidelines, SDG&E will take the following measures for the Project:

- Apply SDG&E's EMF Guidelines for transmission circuit facilities to the Project design.
- Identify and implement appropriate "no-cost" measures, i.e., those that will not increase overall project costs but will reduce the magnetic field levels.
- Identify and implement appropriate "low-cost" measures, i.e., those measures costing in the range of 4% of the total budgeted project cost that will reduce the magnetic field levels by 15% or more at the edge of the right-of-way (ROW).
- When a sufficiency of "low-cost" measures is available to reduce magnetic field levels, such that it is difficult to stay within the 4% cost guideline, apply these "low-cost" measures by priority, per the Guidelines.

The 15% minimum reduction required for low-cost measures is in addition to any field reduction due to "no-cost" measures. It is not cumulative.

Since the Project requires permitting under General Order 131-D, a Detailed Field Management Plan ("FMP") will be used. The Detailed FMP consists of a project description, a checklist table showing evaluation of magnetic field reduction measures adopted or rejected per segment, evaluation of "no-cost" and "low-cost" magnetic field reduction techniques, magnetic field models, and a summary with recommendations, including tables showing resultant magnetic field reduction levels at the edge of the ROW where applicable.

Tables showing calculated resultant magnetic field levels at the edges of the ROW are included in "Section VIII- Summary of Calculated Magnetic Field Levels" in this report.

Field levels were calculated using the Resicalc program developed and maintained by the Electric Power Research Institute. As the proposed in-service date of the Project would be Fall 2017, the projected high usage currents, "2017 heavy summer," were used in the calculations. For the purpose of evaluating the field management measures, magnetic field levels were calculated and compared at a height of one meter above ground.

To evaluate the effectiveness of various magnetic field reduction measures, calculated values for a given technique were compared to calculated values without the technique. Since all segments of the Project are within defined easements, magnetic field levels were calculated and compared at the adjacent parallel property lines, or edges of ROW.

The edges of the ROW are identified as "West", "East", "North", or "South" for consistency when reviewing the sketches included in "Appendix 1" and the tables included in "Section VIII- Summary of Calculated Magnetic Field Levels" in this report.

IV. Project Description

The South Orange County Reliability Enhancement Project (Proposed Project) is intended to meet the area load growth and service reliability for approximately 129,000 customers within southern Orange County. In order to increase service reliability to its customers and substations in the southern Orange County region, SDG&E is proposing to replace the existing 138/12kV Capistrano Substation with a new 230/138/12kV Gas Insulated Substation (GIS), make minor changes to the existing Talega Substation, and bring two (2) new 230kV transmission lines into the southern Orange County area by replacing a section of existing 138kV transmission line (TL13835) with a new 230kV double-circuit extension between Capistrano Substation and Talega Substation. The Proposed Project will have an anticipated in-service date of 2017.

The transmission line portion of this Proposed Project is approximately eight miles in length with components primarily located in portions of the cities of San Juan Capistrano and San Clemente, as well as unincorporated Orange County, and the United States Marine Corps Base Camp Pendleton (Camp Pendleton). (see Appendix 1, “Segment Map”) This area of southwestern Orange County is composed of residential, commercial, recreational, and open space land uses.

This “Detailed Magnetic Field Management Plan” is specifically for the following Proposed Project components:

- Relocate the three existing 138kV transmission lines from the Capistrano Substation into the new San Juan Capistrano substation. Loop-in the two 138kV transmission lines that currently bypass the existing substation into the new San Juan Capistrano substation. Underground all of the westbound 138kV transmission line getaways.
- The Proposed Project includes replacing an existing 138kV transmission line, TL13835, between Capistrano Substation and Talega Substation, with two (2) new 230kV transmission lines which will be installed on common, double-circuit structures. TL23007 will be disconnected from Talega Substation and connected to the new transmission lines on the west side of the common double-circuit structures, extending it from its other terminating substation, San Onofre Substation, beyond Talega Substation to Capistrano Substation. The other new transmission line on the east side of the structures will tie to TL23030 where it currently enters Talega Substation on the east side coming from its other termination at Escondido Substation, making it a three terminal line at that point, and extending it from Talega Substation to Capistrano Substation. These changes are described as follows:
 - Within SDG&E’s existing right-of-way (ROW) build approximately 7.5 miles of new overhead double-circuit 230kV transmission lines connecting to existing 230kV transmission lines (TL2007, TL23030) near Talega Substation;
 - Acquire new ROW for approximately 0.25 mile of new overhead 230kV transmission line (TL23030) adjacent to SDG&E’s Talega Substation;
 - Within SDG&E’s existing Vista Montana street easement and franchise position, replace 0.36 miles of one (1) existing 138kV underground transmission duct bank with two (2) new 230kV underground transmission duct banks;
- Remove and relocate 12kV distribution lines from within SDG&E’s existing Capistrano to Talega utility corridor to accommodate the new 230kV double-circuit line;
- Relocate existing 69kV and 138kV transmission lines near the Talega Substation;

- Install approximately 81 new steel transmission line structures (49 - 230kV structures, 23 - 138kV structures, and 9 - 69kV structures);
- Remove approximately 86 wood structures, 12 - steel structures, and 5 - steel lattice towers;
- Upgrade remote ends of 138kV and 230kV transmission lines affected, as required.

For the purposes of this document, the transmission line work associated with the Proposed Project has been divided into four (4) segments. Segment 1 and 3 were further subdivided due to configuration changes in those segments which affect modeling:

Segment 1a – Following the completion of the new San Juan Capistrano 230/138/12kV gas insulated substation, six (6) 138kV transmission lines will connect to the new facility via underground getaways. Four of the six 138kV transmission lines, TL13833, TL13834, TL13847, and TL13837, will exit the substation site via underground conduit duct banks on the west side, and cross under Camino Capistrano, heading west to four new steel cable poles. Two of these, TL13847 and TL13837, will continue west in an underground position within an existing 60 foot wide SDG&E easement for approximately 600 feet until transitioning to an overhead position on a new steel cable pole located along Avenida de la Vista. There is a community recreation facility on the north side of this easement, along with residential structures on both sides. From there they connect to their existing transmission circuits within franchise, and continue westerly to Laguna Niguel Substation.

The other two, TL13833 and TL13834, transition overhead to new steel cable poles near Camino Capistrano, approximately 200 feet from Capistrano Substation, where they connect to their existing transmission circuits and head north, within franchise, to Trabuco Substation.

The last two of the six 138kV transmission lines, TL13816 and TL13848, will exit the substation to the east via new steel cable poles that will be installed in the northeast corner of the substation site. From there, these two 138kV lines will connect to their appropriate, existing, transmission lines, which currently reside within an existing 150 foot wide SDG&E easement, and head toward Rancho San Juan residential development, along with the new 230kV double circuit transmission lines as defined in Segment 1b. Land use in this Segment is residential.

Segment 1b – This Segment includes construction of a new 230kV double circuit overhead transmission line between the new San Juan Capistrano 230/138/12kV gas insulated substation and the Rancho San Juan residential development, located near the intersection of La Pata Avenue and Vista Montana, a distance of approximately 2.7 miles. It will involve the removal of wood structures, lattice towers and steel poles, and the installation of new taller steel poles. The new 230kV steel poles will be installed within SDG&E's existing 150 foot ROW, using the same alignment as existing TL13835. Land use in this Segment is residential and undeveloped land.

Segment 2 – Segment 2 will include the installation of two separate 230kV underground conduit duct banks, for a distance of approximately 0.4 miles, where the Proposed Project goes past San Juan Hills High School. The first 230kV circuit, TL23030, will be located in a franchise position just north of centerline within Vista Montana between Via Pamplona and La Pata Avenue. The second 230kV circuit, TL23007, will also be installed within Vista Montana, but south of centerline, within an existing 30-foot easement. The 230kV circuits will transition on both sides

of Vista Montana from underground to overhead via two new 230kV steel cable poles at each end of the Rancho San Juan segment, for a total of four new 230kV steel cable poles. It should be noted that this segment removes two existing 138kV steel cable poles, one on each end of Vista Montana, and the associated 138kV cable as they are no longer necessary. One existing 138kV double-circuit steel cable pole (currently TL13833 and TL13816) located near the intersection of Vista Montana and Via Pamplona will be replaced. The replaced pole will be installed just north of the existing pole to make room for the new 230kV (TL23030) underground cable system. Land use for this segment is residential and school.

Segment 3a – Segment 3a of the Proposed Project will include the installation of approximately 3.4 miles of new 230kV overhead on approximately twenty-two (22) double-circuit steel poles located within the cities of San Juan Capistrano and San Clemente, as well as within unincorporated Orange County following the previous, TL13835, alignment. It begins where the new underground transmission lines will transition to an overhead position adjacent to the proposed Rancho San Juan residential development, and end where the 138kV tielines loop in to Pico Substation. Land use for this segment is mostly undeveloped land until it nears Pico Substation where there are commercial/industrial and residential areas.

Segment 3b – This Segment includes the section of Segment 3 from Pico Substation where the two 138kV tielines (TL13846 and TL13836) come out and head east, staying parallel to the new 230kV transmission lines, then south to the Talega Hub, a distance of approximately 0.8 miles. At the Talega Hub, the new TL23030 circuit continues on east (see Segment 4) to the north east corner of Talega Substation, where it turns south to the new TL23030 Talega Tap. The other 230kV tieline, TL23007, continues south within the Talega Hub area and connects to the existing TL23007 pole line (see Segment 4), which ultimately terminates at the San Onofre Substation. The existing connection of TL23007 at Talega Hub to Talega Substation will be disconnected. Land use for this segment is commercial/industrial and undeveloped.

Within Segment 3, approximately thirty-two (32) 138kV wood structures (two and three pole structures currently used to support TL13835) will be removed along with all associated 138kV conductor and hardware to make room for the new 230kV transmission lines and structures.

Segment 4 – Within Segment 4 of the Proposed Project, the two new 230kV transmission lines will follow separate routes. Therefore, each new 230kV transmission line is described separately below by circuit number.

TL23007

TL23007 will travel south within the Talega Hub area for approximately 600 feet until it connects to existing TL23007 at an existing steel lattice tower structure.






TL23030

TL23030 will continue traveling east, on centerline of a new 100 foot-ROW, until it turns south at the northeast corner of Talega Substation, then continue south until it ends at the new Talega Tap where existing TL23030 transmission line coming from Escondido Substation currently enters Talega Substation, a total distance of approximately 2,630 feet. To provide for this, an existing 230kV dead end steel pole will be replaced with a 230kV steel pole.

Transmission line work within Segment 4 also includes re-locating existing 138kV and 69kV transmission lines, both within new and existing ROWs, by installing new overhead structures and underground duct banks. This is required for clearance purposes when the new 230kV transmission lines and structures are installed near Talega Substation. All of Segment 4 lies well within the SDG&E utility easements at the Talega Hub and Talega Substation site so modeling was not performed. Land use adjacent to Segment 4 is Camp Pendleton Military Base on the east and south with buildings over 1,000 feet away, a golf course to the west, and undeveloped land for at least 500 feet to the north. For these reasons land use was defined as “undeveloped land”. Modeling was not done due to the complexity of placement of the transmission lines.

Drawings and descriptions showing a typical pole top configuration, tieline relative locations to each other and left and right ROW are included in Appendix 1. Figure 1 below shows the drawing symbols; the arrows on the drawings indicate the viewing direction for orienting each drawing and the direction of current flow.

Figure 1: Drawing Symbol Definitions

Symbol	Interpretation	Meaning
	Viewing Direction	The orientation as seen when looking toward the north
	Current flow into the page	Direction of current flow is same as viewing direction
	Current flow out of the page	Direction of current flow is opposite of viewing direction
	Underground Transmission Circuit	Location of underground transmission circuit
	Underground Transmission Circuit	Location of Underground Transmission in Bridge Cell

V. Field Management Measures Considered for the Transmission Portion of the Proposed Project

Per the “EMF Design Guidelines for Electrical Facilities, Table 3-1”, all Segments were reviewed for suitable application of magnetic field reduction measures, as listed in “Table 1: Magnetic Field Reduction Measures Adopted or Rejected” below. These techniques will be discussed under the “Section VI- Magnetic Field Reduction Measures Evaluated for the Project” that follows.

Table 1: Magnetic Field Reduction Measures Adopted or Rejected

Segment(s)	Location (Street, Area)	Adjacent Land Use	Reduction Measure Considered	Measure Adopted? (Yes/No)	Estimated Cost to Adopt
All	Entire Project Corridor	Residential, Commercial, Industrial, Undeveloped	Locate power lines closer to center of the utility corridor to extent possible.	No	N/A
	Reason not adopted: SEG 1a and SEG 2 underground is designed to be as close to center of easement as possible. The new 230kV tielines in SEG 1b, SEG 3a, and SEG 3b are using the existing 138kV pole alignment within the SDG&E corridor. TL23030 is designed to be in the center of the new easement in SEG 4. No other alignment is feasible for safety and reliability reasons for other transmission lines in SEG 4. Therefore this option was discarded.				
1b, 3a, 3b	Overhead Project Corridor	Residential, Commercial, Industrial, Undeveloped	Increase structure height.	Yes	Not Available
	SEG. 1b, SEG. 3a, and SEG. 3b will require a standard 230kV double circuit steel pole. Some structure heights will increase to maintain or increase sag distance from ground to the circuit by design. Making structure heights taller was modeled for 15% reduction at ROW and consideration of the cost exceeding 4% of the total Proposed Project cost was evaluated. A conclusion was made and is discussed below. (see “Magnetic Field Reduction Measures Evaluated for the Project” below)				
4	Overhead Project Corridor	Residential, Commercial, Industrial, Undeveloped	Increase structure height.	No	N/A
	Reason not adopted: Land use adjacent to SEG 4 is “undeveloped land “ to the north, east and west . There are no structures for at least 400 feet on land north of Segment 4, and for at least 1,000 feet on the east and south sides. To the west is a golf course, on which the nearest structure is more than 1,000 feet from the Segment 4 corridor. Due to the adjacent land uses to the north, east and south, and the complexity of placement of the transmission lines in this Segment, increasing structure heights to reduce magnetic fields was rejected for Segment 4.				
All	Entire Project Corridor	Residential, Industrial, Undeveloped	Reduce conductor (phase) spacing.	No	N/A
	Reason not adopted: In SEG 1b, SEG. 3a, SEG. 3b, and SEG 4, pole top spacing is per SDG&E Standards recommended for a 230kV double circuit steel pole to avoid possibility of blow-out. SEG. 1a and SEG. 2 underground will be installed in SDG&E Standards recommended				

	underground conduit duct banks with set conductor phase spacing. Therefore this option was discarded.				
1b, 3a, 3b	Overhead Project Corridor	Residential, Commercial, Industrial, Undeveloped	Place Overhead Underground	No	N/A
	Reasons not adopted: The combined length of the 230 kV tielines in proposed project segments 1b, 3a and 3b is approximately 7.7 miles. The cost to underground these segments would far exceed the 4% benchmark guideline for "low-cost" magnetic field reduction. Therefore, undergrounding the proposed 230 kV tielines in these segments was rejected as an option to reduce magnetic fields.				
1a & 2	Underground Project Corridor	Residential, School	Increase trench depth.	Yes	Not Available
	Undergrounding the 138kV tielines in SEG 1a, and the 138kV and 230kV tielines in SEG 2, is per SDG&E Standards designed to be at 3 feet top-of-conduit (TOC). Increasing the depth was modeled and consideration of the cost exceeding 4% of the total Proposed Project cost and the possibility of degradation of the ampacity and rating of the tieline due to more heat at deeper depths was reviewed. A conclusion was made and is discussed below. (see "Magnetic Field Reduction Measures Evaluated for the Project" below)				
	Project Corridor	Residential, Commercial, Industrial, Undeveloped	Phasing circuits to reduce magnetic fields.	No	N/A
All	<p>Reasons not adopted: Reduction of magnetic field values (milligauss) through phasing techniques was considered and modeled for the Proposed Project. SEG 1a 138kV tielines, TL13847 and TL13837, were phased per a previous FMP for Laguna Niguel and must keep their existing phasing for lowest field values. TL13833 and TL13844 were found to be phased for lowest field values so should remain as is. The 138kV tielines in SEG 1b, 3a, and 3b were reviewed in various combinations of phasing and also found to be phased for lowest field values so should remain as is.</p> <p>The SDG&E proposed 230kV extension tielines were modeled with various phase combinations and it was found if TL23030 were reverse phased C-B-A(top-to-bottom) from TL23007 A-B-C(top-to-bottom) a reduction was achieved at the edge of ROW for SEG 1b, 3a, and 3b. However, TL23030 should remain as is, since the southerly termination of that circuit is at Escondido Substation, which is out of scope of this Proposed Project and it shares common structures with other transmission lines within the corridor between Talega Sub and Escondido Sub which were phased for lowest field values at ROW in previous FMPs. The phasing of underground Segment 2, and overhead phasing of Segment 4, being portions of the new 230kV extension between Capistrano and Talega Sub. must remain consistent with that of the overhead lines. This is do to safety issues that may arise when "fault tracking" a tieline from either substation it ties into, any phase change of a tieline must be done as it connects to the rack at each substation it terminates at. The portion of Segment 4 containing TL23007 has a southerly termination at San Onofre Substation and outside the scope of this Proposed Project, thereby precluding analysis of phase arrangement, as described above. In summary, phase arrangement was rejected as an option for all segments of the Proposed Project.</p>				

VI. Magnetic Field Reduction Measures Evaluated for the Transmission Portion of the Proposed Project

Per SDG&E EMF Design Guidelines for Electrical Facilities, this FMP is limited to an assessment of increasing structure height for SEG 1b, SEG 3a, and SEG 3b, and increasing trench depth, as field reduction techniques for SEG 1a and SEG 2. Other techniques such as changes in locating power lines closer to the center of the corridor, reducing conductor (phase) spacing, and phasing circuits to reduce magnetic fields were not implemented.

Locating power lines closer to the centerline of the corridor: Every effort was made to locate the power line closer to center of corridor or franchise for the Proposed Project. SEG1a and SEG 2 underground is designed to be as close to center of easement as possible. The new 230kV tielines in SEG 1b, SEG 3a, and SEG 3b are using the existing 138kV pole alignment within the SDG&E corridor for safety and reliability reasons. TL23030 is designed to be in the center of the new easement in SEG 4. For all other transmission lines in SEG 4, no other alignment is feasible for safety and reliability reasons. Therefore this option was discarded.

Increasing structure height: Land use adjacent to SEG 4 is “undeveloped land “ to the north, east and west . There are no structures for at least 400 feet on land north of Segment 4, and for at least 1,000 feet on the east and south sides. To the west is a golf course, on which the nearest structure is more than 1,000 feet from the Segment 4 corridor. Due to the adjacent land uses to the north, east and south, and the complexity of placement of the transmission lines in this Segment, increasing structure heights to reduce magnetic fields was rejected for Segment 4.

Reducing conductor phase spacing: Reducing conductor spacing of overhead and underground installations is not an acceptable mitigation technique. The SDG&E Standards for underground installation provides the closest separation without degradation of the circuit’s rating due to interference and heat between the three phases. The overhead pole top spacing is per SDG&E Standards recommended for a 230kV double circuit steel pole to avoid possibility of blow-out. Therefore this option was discarded.

Phasing circuits to reduce magnetic fields: Reduction of magnetic field values (milligauss) through phasing techniques was considered and modeled for the Proposed Project. SEG 1a 138kV tielines, TL13847, TL13837, were phased per a previous FMP for Laguna Niguel and must remain their existing phase for lowest field values. TL13833 and TL13844 were found to be phased for lowest field values so should remain as is. The 138kV tielines in SEG 1b – SEG 3b were reviewed in various combinations of phasing and also found to be phased for lowest field values so should remain as is. The SDG&E proposed 230kV extension tielines were modeled with various phase combinations and it was found if TL23030 were reverse phased C-B-A (top-to-bottom) from TL23007 A-B-C (top-to-bottom) a reduction was achieved at the edge of ROW for SEG 1b – SEG 3b. However, TL23030 should remain as is, since the southerly termination of that circuit is at Escondido Substation, which is out of scope of this Proposed Project. TL23030 also shares common structures with other transmission lines within the corridor between Talega Substation and Escondido Substation, which were phased for lowest field values at ROW in previous FMPs. Also, do to safety issues that may arise when “fault tracking” a tieline from either substation it ties into, any phase change of a tieline must be done as it connects to the rack at each substation it terminates at. Therefore this option was discarded.

Increasing structure height: The design pole height required to maintain minimum 30 foot sag (distance from ground) for 230kV tielines was used for the new 230kV double circuit steel poles in SEG 1b, SEG 3a, and SEG 3b. Some structure heights were increased to maintain or increase sag distance from ground to the circuit by design due to the contour of the land they travel over. Increasing pole height, which will increase sag height, would not be a “no-cost” option but a “low-cost” option. To adopt a “low-cost” option, the calculated reduction at one edge-of-ROW, must be at least 15% and the other edge-of-ROW must not increase in milligauss value. Modeling was done to try to get an additional 15% reduction at edge-of-ROW for these overhead Segments, which includes residential, commercial/industrial, and undeveloped land use, and the structure height would have to increase an additional 8 feet (38 feet minimum sag). Therefore, increasing structure height was recommended as a low-cost measure for SEG 1b, 3a and 3b. (see “Magnetic Field Reduction Measures Recommended for the Project” below).

For SEG 4, there are no structures for at least 400 feet on land north of SEG 4, and for at least 1,000 feet on the east and south sides. To the west is a golf course, on which the nearest structure is more than 1,000 feet away. Due to the adjacent land uses to the north, east and south and the complexity of placement of the transmission lines in this segment, increasing structure heights to reduce magnetic fields was rejected for Segment 4.

Increasing trench depth: Designed depth of the underground duct bank for TL13847, TL13837 in SEG1a, and the new 230kV tielines, TL23007 and TL23030 in SEG 2, is the standard 3 feet top-of-conduit. Going beyond this depth would not be a “no-cost” option but a “low-cost” option.

Land uses adjacent to SEG 1a includes residential and a community park; land uses adjacent to SEG 2 include San Juan Hills high school.

Magnetic field modeling showed that the trench depth would have to increase approximately 5 feet for SEG 1a (8 feet top-of-conduit), and approximately 3 feet for Segment 2 (6 feet-top-of-conduit), to achieve a 15% reduction at the edge of ROW. Therefore, increasing trench depth was recommended as a low-cost measure for Segments 1a and 2. (see “Magnetic Field Reduction Measures Recommended for the Project” below)

VII. Magnetic Field Reduction Measures Recommended for the Transmission Portion of the Proposed Project

Reduction of magnetic field values by increasing structure height and increasing trench depth field reduction techniques were adopted as viable methods to reduce magnetic fields at the edge-of-ROW for the Proposed Project. For the percentage of magnetic field reduction see tables located in “*Section VIII. - Summary of Calculated Magnetic Field Levels.*” The recommended field reduction techniques are:

A. “No-Cost” Field Management Technique:

There are no “no-cost” magnetic field reduction techniques recommended for this Project.

B. “Low-Cost” Field Management Technique:

After discussing increasing structure height and increasing trench depth field reduction techniques with Transmission Engineering, the following was selected for most viable “low-cost” techniques to reduce magnetic fields:

SEG 1a: Modeling was done to try to get an additional 15% reduction at edge-of-easement for SEG 1a, which includes residential land use and a community park, and the depth would have to increase to approximately **8 feet top-of-conduit.**

SEG 1b: Modeling was done to try to get an additional 15% reduction at edge-of-ROW for SEG 1b, which includes residential and undeveloped land use, and the structure height would have to increase an additional **8 feet (38 feet minimum sag).**

SEG 2: Modeling was done to try to get an additional 15% reduction in SEG 2, which goes past San Juan Hills High School, by making the 230kV duct banks deeper, and the depth would have to increase to approximately **6 feet top-of-conduit.**

SEG 3a: Modeling was done to try to get an additional 15% reduction at edge-of-ROW for SEG 3a, which includes residential, commercial/industrial, and undeveloped land use, and the structure height would have to increase an additional **8 feet (38 feet minimum sag).**

SEG 3b: Modeling was done to try to get an additional 15% reduction at edge-of-ROW for SEG 3b, which includes commercial/industrial, and undeveloped land use, and the structure height would have to increase an additional **8 feet (38 feet minimum sag).**

VIII. Summary of Calculated Magnetic Field Levels for the Transmission Portion of the Proposed Project

The following tables show the initial design and recommended (“low-cost”) design magnetic field values (milligauss) and the percent change for SEG1a – SEG 3b of the Proposed Project. A positive percentage value shows a reduction in milligauss, while a negative value shows an increase in milligauss from the initial design. The magnetic field values were calculated at the edges-of-ROWs, or edge-of-easement for all Segments. Since increasing structure height and increasing trench depth field reduction techniques were the only viable techniques, other modeling tables were not included. The location of the Segments and their corresponding land uses are included in the attached “Appendix 1”.

Table 2: Segment 1a – Underground TL13847 and TL13837 west of Capistrano Substation.

SEGMENT 1a		Make Underground Deeper			
Underground 13847_13837 west of Capistrano Substation					
INITIAL	DESIGN	Low-Cost Design		Percent (%)	
TL13847	(A-B-C)t-b			milligauss	
TL13837	(C-B-A)t-b			Reduction	
3 foot Top-Of-Conduit		Make 5 feet deeper (8 ft. TOC)			
<u>North</u>	<u>South</u>	<u>North</u>	<u>South</u>	<u>North</u>	<u>South</u>
2.71	2.71	2.21	2.21	18.5%	18.5%

- Residential land use. Community Park on north edge-of-easement.
- Length = approx. 600 feet, 60 foot wide SDG&E easement
- Make trench 5 ft. deeper, making TOC 8 ft.
- See “Appendix 1 – Segment 1a” attached for further detail.

Table 3: Segment 1b – Overhead TL23007 and TL23030 from Capistrano Substation east to Rancho San Juan residential development.

SEGMENT 1b		Raise SAG Height					
Overhead- Capistrano Substation east to Rancho San Juan UG							
INITIAL	DESIGN		Low-Cost Design		Percent (%) milligauss Reduction		
TL13816	C-B-A (t-b)						
TL13848	A-B-C (t-b)						
TL23030	A-B-C (t-b)						
TL23007	A-B-C (t-b)						
			Raise by 8 feet				
<u>North</u>	<u>South</u>		<u>North</u>	<u>South</u>	<u>North</u>	<u>South</u>	
13.84	32.26		12.68	27.32	8.4%	15.3%	

- Residential and undeveloped land use.
- Length = approx. 2.7 miles, 150 ft. wide SDG&E ROW
- Increase structure height 8 ft.
- See “Appendix 1 – Segment 1b” attached for further detail

Table 4: Segment 2 – Underground at Rancho San Juan residential development within franchise of Vista Montana between Via Pamplona and La Pata Avenue

SEGMENT 2		Make Underground Deeper					
Rancho San Juan - Underground							
INITIAL	DESIGN		Low-Cost Design		Percent (%) milligauss Reduction		
TL23030	A-B-C (t-b)						
TL23030	A-B-C (t-b)						
TL13816	C-B-A (t-b)						
TL13848	A-B-C (t-b)						
TL23007	A-B-C (t-b)						
TL23007	A-B-C (t-b)						
			Make 3 feet deeper (6ft. TOC)				
<u>North</u>	<u>South</u>		<u>North</u>	<u>South</u>	<u>North</u>	<u>South</u>	
3.16	14.16		2.95	11.83	6.6%	16.5%	

- Residential land use. Goes past San Juan Hills High School to the north.
- Length = approx. 0.4 miles, within franchise Vista Montana
- Increasing the depth by 3 ft. (6 ft. TOC)
- See “Appendix 1 – Segment 2” attached for further detail.

Table 5: Segment 3a – Overhead from Rancho San Juan Underground to Pico Substation

SEGMENT 3a		Raise SAG Height					
Overhead- Rancho San Juan UG - Pico Substation							
INITIAL		DESIGN		Low-Cost Design		Percent (%) milligauss Reduction	
TL13816		C-B-A (t-b)					
TL13847		A-B-C (t-b)					
TL23030		A-B-C (t-b)					
TL23007		A-B-C (t-b)					
				Raise by 8 feet			
<u>East</u>		<u>West</u>		<u>East</u>		<u>West</u>	
13.84		32.26		12.68		27.32	
						8.4%	
						15.3%	

- Commercial/industrial and residential land use
- Length = approx. 3.4 miles, 150ft. wide SDG&E ROW
- Increasing structure height 8 ft.
- See “Appendix 1 – Segment 3a” attached for further detail.

Table 6: Segment 3b – Overhead from Pico Substation to Talega Hub.

SEGMENT 3b		Raise SAG Height					
Overhead-Pico Substation - Talega Hub							
INITIAL		DESIGN		Low-Cost Design		Percent (%) milligauss Reduction	
TL13836		C-B-A (t-b)					
TL13846		A-B-C (t-b)					
TL23030		A-B-C (t-b)					
TL23007		A-B-C (t-b)					
				Raise by 8 feet			
<u>East</u>		<u>West</u>		<u>East</u>		<u>West</u>	
18.02		32.80		16.79		27.80	
						6.8%	
						15.2%	

- Commercial/Industrial and undeveloped land use.
- Length = approx. 0.8 miles, 150ft. wide SDG&E ROW
- Increasing structure height 8 ft.
- See “Appendix 1 – Segment 3b” attached for further detail.

IX. Simplified Field Management Plan Checklist for the San Juan Capistrano Substation Portion of the Proposed Project

Generally, magnetic field values along the substation perimeter are low compared to the substation interior because of the distance to the energized equipment. Normally, the highest values of magnetic fields around the perimeter of a substation are caused by overhead power lines and underground duct banks entering and leaving the substation, and not by substation equipment. Therefore, the magnetic field reduction measures 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 entering and exiting the substation.

The Substation Checklist FMP evaluates the no-cost and low-cost measures considered for the substation project, the measures adopted, and reasons that certain measures were not adopted.

No.	No-Cost and Low-Cost Magnetic Field Reduction Measures Evaluated for a Substation Project	Measure Adopted? (Yes/No)	Reason(s) if not Adopted
1	Keep high current devices, transformers, capacitors, and reactors, away from the substation property lines by bringing into the substation property as much as possible.	Yes	
2	For underground duct banks, the minimum distance should be 12 feet from the adjacent property lines or to the extent practical.	Yes	
3	Locate new substations close to existing transmission line rights-of-way to the extent practical.	Yes	
4	Increase the substation property boundary to the extent practical.	Yes	
5	Other:		

Prepared By:

S.C. Campbell
Substation Engineering Team Lead

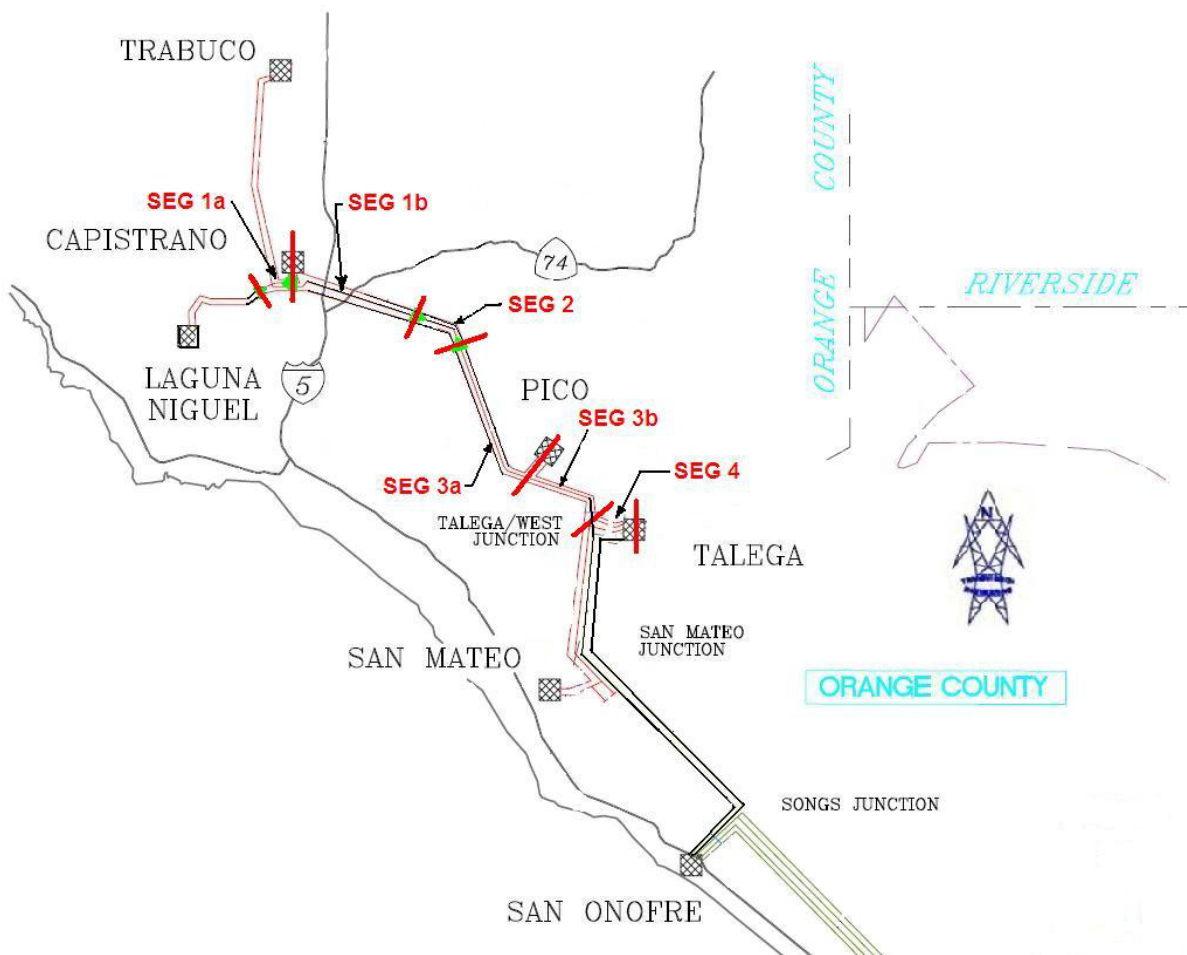
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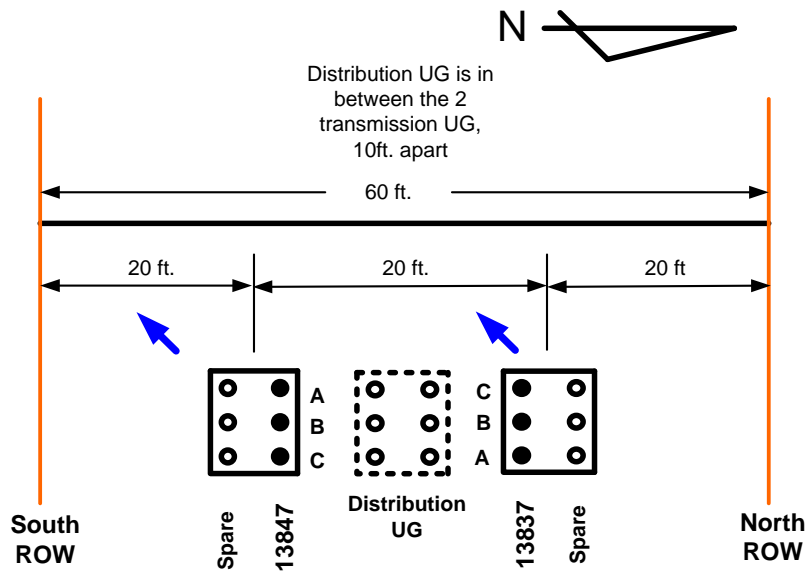
April 24, 2012

Appendix 1

South Orange County Reliability Enhancement Project

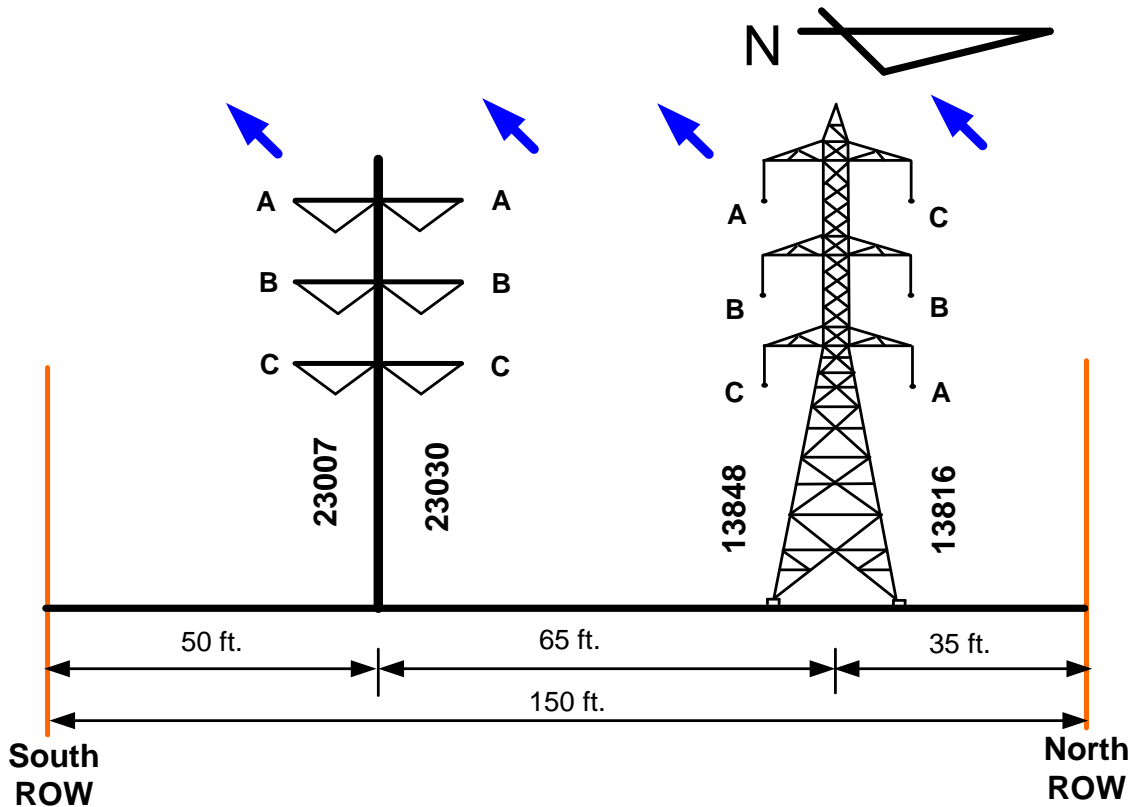
Segment Map





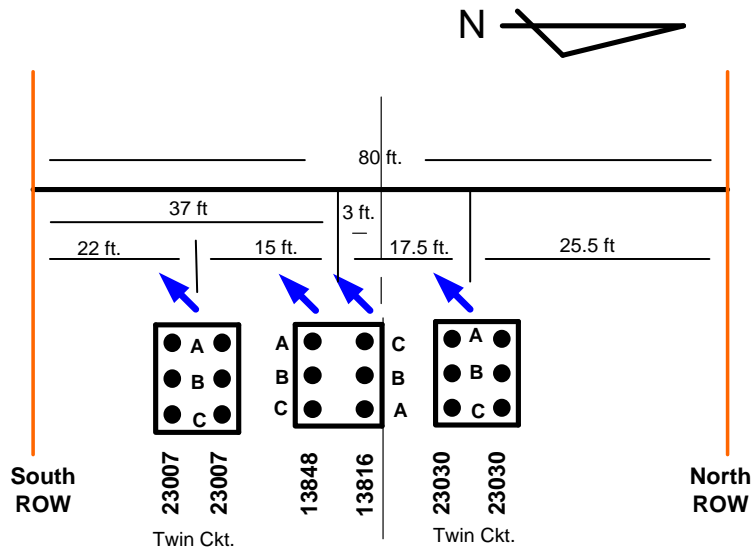
Segment 1a – Initial Design

Approximate Location:	Underground getaway west of Capistrano Substation
Transmission Circuits:	TL13847, TL13837
Land Use:	Residential
Length:	600 ft.
Right-of-Way Width:	60 ft.



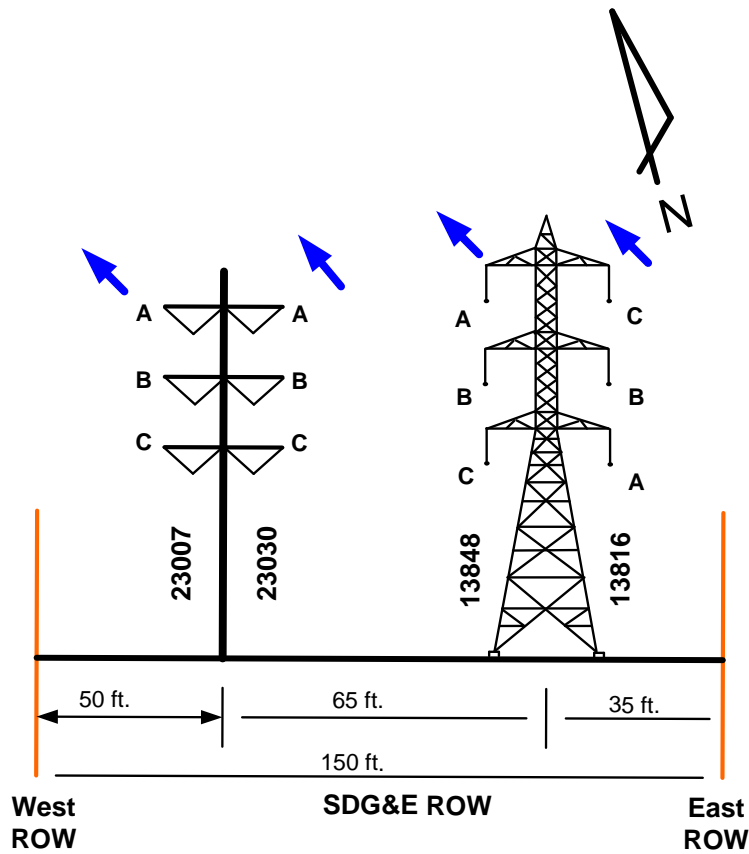
Segment 1b – Initial Design

Approximate Location:	Overhead- east of Capistrano Substation to Rancho San Juan UG
Transmission Circuits:	TL13816, TL13848, TL23030, TL23007
Land Use:	Residential, Undeveloped
Length:	2.7mi.
Right-of-Way Width:	150 ft.



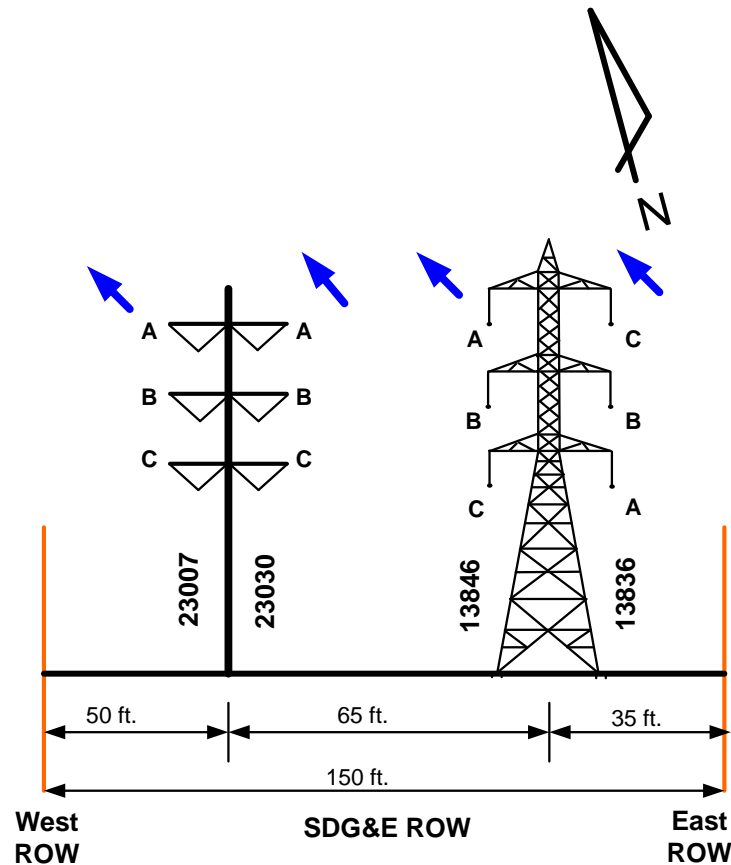
Segment 2 – Initial Design

Approximate Location: Underground within Vista Montana between Via Pamplona and La Pata Avenue at Rancho San Juan
 Transmission Circuits: TL23030, TL13816, TL13848, TL23007
 Land Use: Residential, School (San Juan Hills High School)
 Length: 0.40 mi.
 Right-of-Way Width: 80 ft., within franchise Vista Montana



Segment 3a – Initial Design

Approximate Location:	Overhead - from Rancho San Juan UG to Pico Substation
Transmission Circuits:	TL13816, TL13848, TL23030, TL23007
Land Use:	Residential, Commercial/Industrial, Undeveloped
Length:	3.4 mi.
Right-of-Way Width:	150 ft.



Segment 3b – Initial Design

Approximate Location: Overhead - Pico Substation to Talega Hub
 Transmission Circuits: TL13836, TL13846, TL23030, TL23007
 Land Use: Residential, Commercial/Industrial, Undeveloped
 Length: 0.8 mi.
 Right-of-Way Width: 150 ft.

Segment 4 – Initial Design

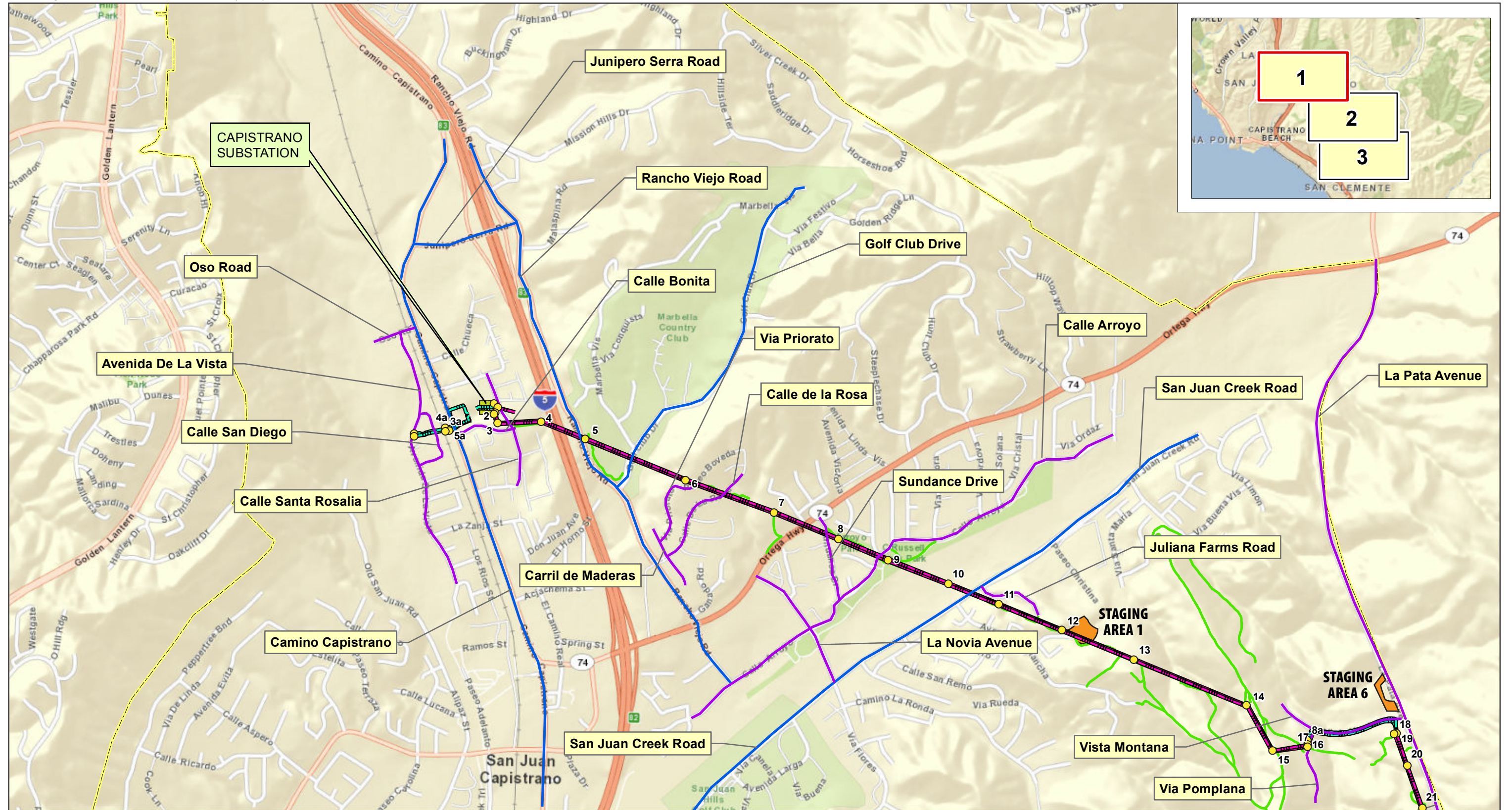
Due to the complex nature of Segment 4, and that adjacent land use out a minimum of 400 feet is undeveloped land or Camp Pendleton Military Base modeling was not required and a profile was not needed.

Approximate Location: Talega Hub to Talega Substation
 Transmission Circuits: Many
 Land Use: Undeveloped, Camp Pendleton Military Base
 Length: TL23007 (approx. 600 ft.), TL23030 (approx. 2,630 ft.)
 Right-of-Way Width: 200 ft. for Talega Hub, 150 ft. for SDG&E corridor

Appendix I

Project Area Roadways and Traffic Study

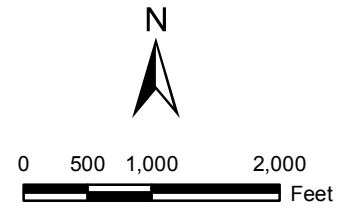
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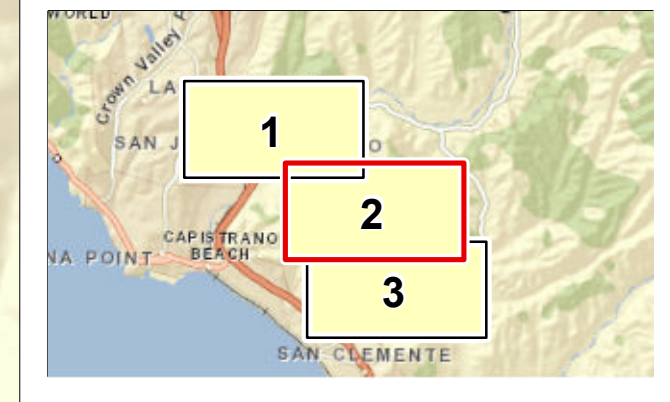
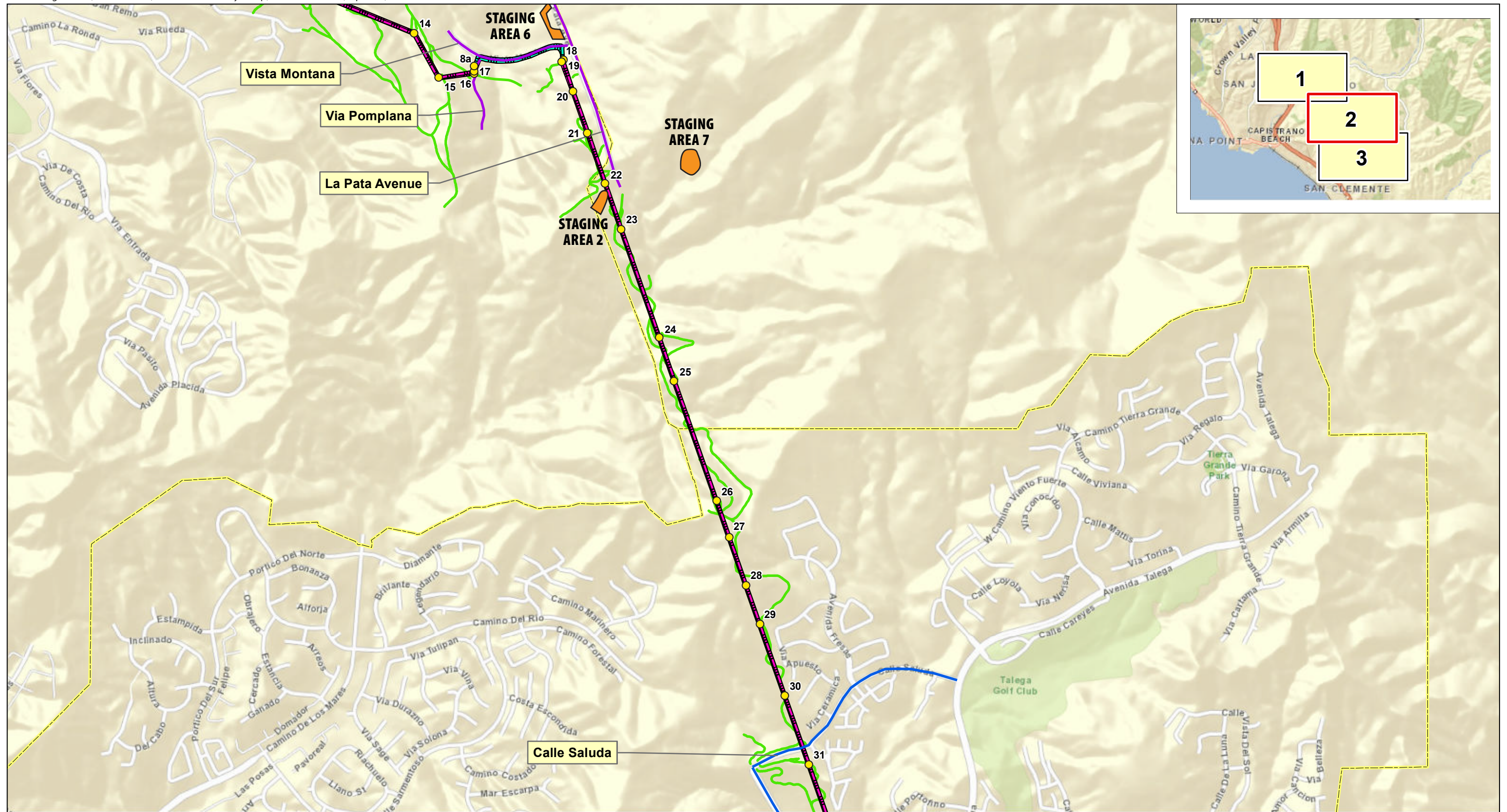
Legend

- Affected Arterial Roadways *
- Affected Collector Roadways
- SDG&E Access Roads
- Proposed New Transmission Line - Overhead
- Proposed New Transmission Line - Underground

- Capistrano and Talega Substations
- Proposed Pole Locations
- County Boundary
- City Boundary



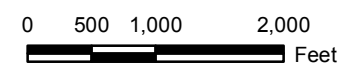
*The Proposed Project will also affect I-5 and SR-74

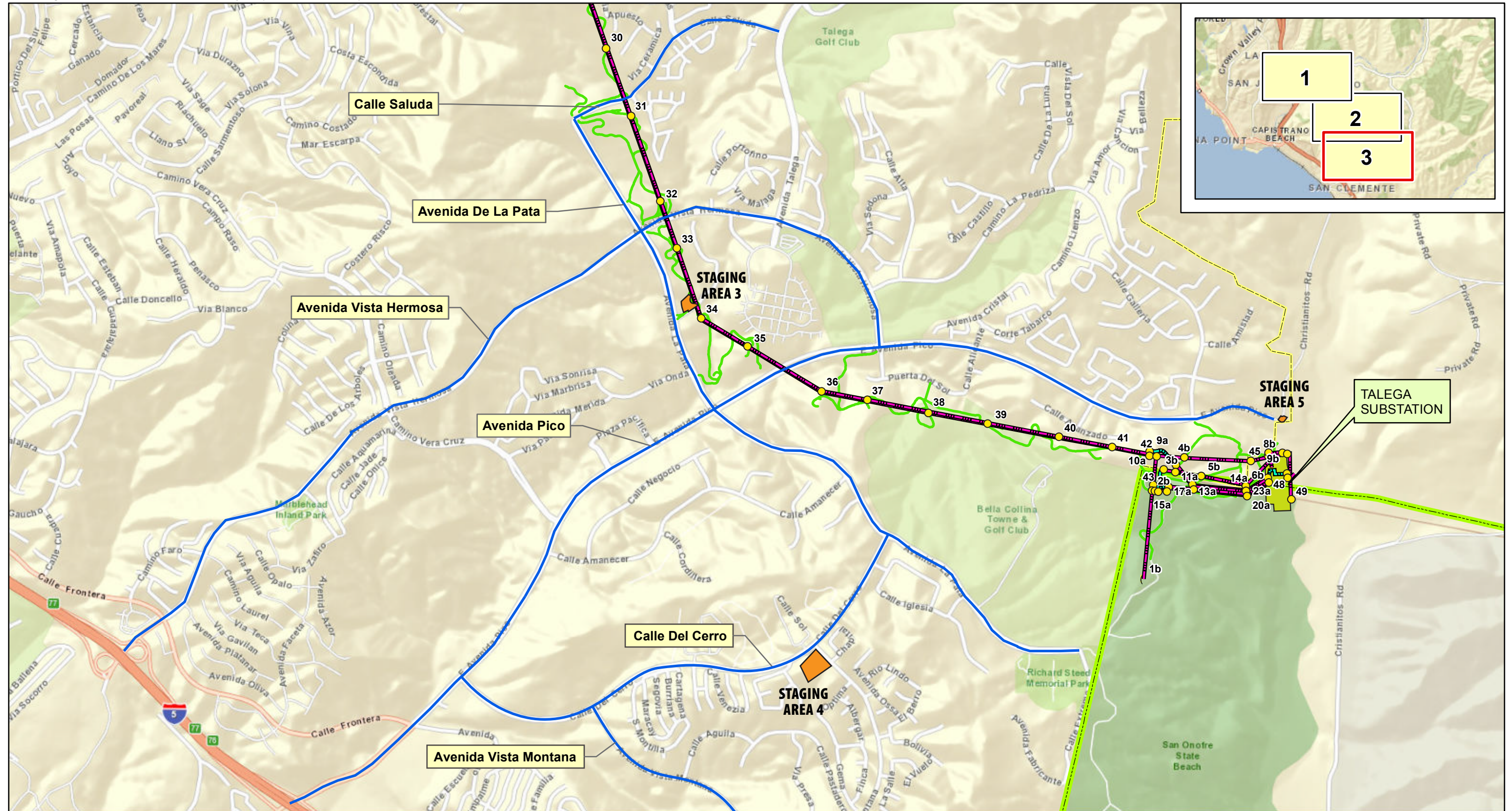


Legend

- Affected Arterial Roadways *
- Affected Collector Roadways
- SDG&E Access Roads
- Proposed New Transmission Line - Overhead
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*The Proposed Project will also affect I-5 and SR-74

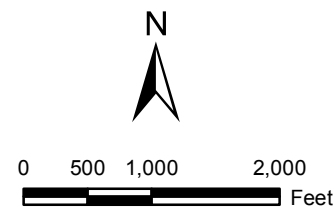




Legend

- Affected Arterial Roadways *
- Affected Collector Roadways
- SDG&E Access Roads
- Proposed New Transmission Line - Overhead
- Proposed New Transmission Line - Underground
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- Proposed Pole Locations
- County Boundary
- City Boundary

*The Proposed Project will also affect I-5 and SR-74



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MEMORANDUM

To: Amy DiCarlantonio
Bonny O'Connor
Ecology and Environment, Inc.

Date: January 23, 2015

From: John Boarman, PE
Charlene Sadiarin
LLG, Engineers

LLG Ref: 3-12-2147

Subject: South Orange County Reliability Enhancement Project

INTRODUCTION

San Diego Gas & Electric Company (the applicant or SDG&E) proposes to rebuild its 138/12-kilovolt (kV) Capistrano Substation in the City of San Juan Capistrano as a 230/138/12-kV substation called "San Juan Capistrano Substation." The applicant also proposes to construct a double-circuit 230-kV transmission line to connect the proposed San Juan Capistrano Substation to the Talega Substation in San Diego County, east of the City of San Clemente. The primary components of the proposed project would include:

1. Rebuilding and upgrading the 138/12-kV 60-megavolt ampere (MVA) air-insulated Capistrano Substation as a 230/138/12-kV 700-MVA gas-insulated (GIS) substation that would be named San Juan Capistrano Substation;
2. Replacing a single-circuit 138-kV transmission line between the applicant's Talega and Capistrano substations with a new double-circuit 230-kV transmission line (approximately 7.8-miles long);
3. Relocating several transmission line segments (approximately 1.8 miles, total) adjacent to Talega and Capistrano substations to accommodate the proposed Capistrano Substation expansion and new 230-kV line; and
4. Relocating a 12-kV distribution line and several distribution line segments into underground conduit and overhead on new structures to provide power from the proposed San Juan Capistrano Substation to the San Juan Hills High School and Rancho San Juan residential development area and Prima Deschecha Landfill (approximately 6 miles).

EXISTING CONDITIONS

The proposed project would be constructed within the cities of San Juan Capistrano and San Clemente, unincorporated Orange County, and United States Marine Corps land in San Diego County. The areas within these four jurisdictions where components of the proposed project would be constructed make up the proposed project area.



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The study area for this project encompasses the roadway facilities that would be potentially affected by the construction of the project. The major regional vehicular access to the proposed project area is provided via Interstate 5 and State Route 74. Other roadways affected by the construction of the project and included in the study area include: Junipero Serra Road, Camino Capistrano, Rancho Viejo Road, Calle Arroyo, San Juan Creek Road, La Pata Avenue, Avenida la Pata, Avenida Pico, and Calle Saluda.

The traffic conditions of roads within the vicinity of the Proposed Project differ, therefore LOS varies accordingly to congestion and volume at any given time. Roadway congestion ranges from LOS A (least congested) to LOS F (most congested) and measures roadway traffic flow efficiency. In general, both the *City of San Juan Capistrano General Plan* and the *City of San Clemente General Plan* specify that the intersection LOS A through D are acceptable, but LOS E and F are not adequate unless exempted. For example, the City of San Clemente has exempted both I-5 and Avenida Pico from this general citywide traffic circulation goal. LOS E and F represent situations where the roadway capacity has been equaled by the traffic volume (LOS=1.0). For roadway segments, the city of San Clemente has the goal of LOS C for smaller capacity roadways and LOS D for larger capacity roadways (such as Avenida Pico within the Proposed Project area).

Additionally, the *City of San Juan Capistrano General Plan* designates “Hot Spot” locations that experience unique congestion. The “Hot Spot” designations imply certain exceptions to the standard performance criteria and/or require a different traffic analysis. The City of San Juan Capistrano defines “Hot Spot” designations in three categories:

- **School Hot Spot:** Location where the normal operation of an arterial highway would be affected by the presence of a school. School Hot Spots require traffic impact studies to address specific traffic impacts at the affected locations.
- **Operations Hot Spot:** Sections of roadways where closely spaced intersections or side friction caused by numerous driveways degrades the performance of the roadway compared to its theoretical carrying capacity. The Operations Hot Spots are locations where the standard ICU procedure does not fully depict the actual traffic characteristics. As a result, areas designated as Operations Hot Spots require a special traffic operations analysis in addition to the ICU analysis. The maximum volume-to-capacity (V/C) ratio is 1.00 for Operations Hot Spots.

- **Space Constrained Hot Spot:** Intersections or sections of roadway that cannot be improved to their full standard due to limited space (right-of-way, or other constraints). The City sets a maximum ICU of 1.00 for Spaced Constrained Hot Spots.

School Hot Spots and Operations Hot Spots are located in the proposed project area. School Hot Spots are located on San Juan Creek Road east of the La Novia Avenue intersection, La Novia Avenue between Ortega Highway (SR-74) and Calle Arroyo, Camino Capistrano north of the Ortega Highway (SR-74) intersection, and Rancho Viejo Road north of Village Road. An Operations Hot Spot is located along Ortega Highway (SR-74) at the intersection of I-5.

EXISTING AND NEAR-TERM CUMULATIVE (YEAR 2020) TRAFFIC VOLUMES

The most recent available existing average daily traffic (ADT) volumes for the study roadway segments were obtained from the following documents:

- South Orange County Reliability Enhancement Project Environmental Assessment Report (May 2012)
- The Ranch Plan EIR Traffic Report (May 2004)
- Orange County Transportation Authority 2013/14 Traffic Flow Map
- City of San Juan Capistrano Volumes Map (Public Works Department, 2012)
- City of San Clemente 2010 General Plan Update
- 2013 Traffic Volumes on California State Highways (Caltrans)

In order to reflect Year 2015 baseline conditions, an annual growth factor of 2% was applied to the existing ADT volumes. **Table 1** contains the Year 2015 baseline ADT volumes.

Long-term volumes for the project area roadways were obtained from area traffic studies. The near-term cumulative (Year 2020) ADT volumes were forecasted through interpolation between the long-term ADT volumes and the existing ADT volumes. **Table 2** contains the near-term cumulative (Year 2020) ADT volumes.

PROJECT TRIP GENERATION/DISTRIBUTION

The trip generation for the trucks and crewmembers during the construction phase of the project were based on the estimated construction workforce and schedule prepared by the applicant (see the table in **Attachment A**). Based on the estimated construction schedule/analysis, the construction phase of the project is estimated to generate a peak of 41 cars/vans/pickup trips and 30 truck trips. These amounts represent where different phases of construction overlap with respect to location and

construction schedule. These roundtrips were multiplied by two to account for one-way incoming and one-way outgoing trips.

A Passenger Car Equivalent (PCE) factor was applied to the generated truck trips in the analysis. PCE is defined as the number of passenger cars that are displaced by a single heavy vehicle of a particular type under the prevailing conditions. Heavy vehicles have a greater traffic impact than passenger cars since: (1) they are larger than passenger cars, and therefore, occupy more roadway space; and (2) their performance characteristics are generally inferior to passenger cars, leading to the formation of downstream gaps in the traffic stream (especially on upgrades) which cannot always be effectively filled by normal passing maneuvers. A PCE of 1.0 was applied to cars/vans/pickups. A PCE of 3.0 was applied to trucks.

With the application of the PCE, the worst case construction trip generation is 262 ADT = 2 one-way trips x [(41 car/van/pickup trips x 1.0 PCE) + (30 truck trips x 3.0 PCE)]. It should be noted that this ADT is worst case and not all roadways would necessarily experience the full combined traffic. For the purposes of this study, to represent the worst-case scenario, the 262 ADT was distributed to all of the study roadways.

ROADWAY SEGMENT LOS ANALYSIS

Roadway segment LOS analysis was conducted for the study roadway segments to aid in the evaluation of potential traffic impacts to the local roadway system due to the construction operations associated with the South Orange County Reliability Enhancement Project. Conducting only daily roadway segment LOS analysis is considered sufficient due to the temporary nature of the construction operations. Therefore, peak hour intersection analysis is not considered necessary.

During the construction phase, partial or full closure of the following roadways are expected to occur:

- Camino Capistrano (Partial or full closure);
- Vista Montana (Partial closure);
- Via Pamplona (Partial or full closure); and
- Calle San Diego (Partial or full closure).

Two of the four lanes on Vista Montana will be closed to traffic. For Camino Capistrano, Via Pamplona, and Calle San Diego, there are no further details on the number of lanes that will be closed for construction. For the purposes of this analysis, partial closure was assumed to be half the capacity of the roadway.

Table 1 shows the Year 2015 daily street segment operations throughout the study area. As seen in *Table 1*, with the addition of project traffic, there is no change in the daily study street segment operations LOS in the Year 2015 scenario.

Table 2 shows the near-term cumulative (Year 2020) daily street segment operations throughout the study area. As seen in *Table 2*, with the addition of project traffic, there is no change in the daily study street segment operations LOS in the near-term cumulative (Year 2020) scenario.

**Table 1
 Year 2015 Street Segment Operations**

Street Segment	Classification	Existing Capacity (LOS E) ^a	Year 2015			Year 2015 + Project			Δ ^f
			ADT ^c	V/C ^d	LOS ^e	ADT	V/C	LOS	
Junipero Serra Road	4 Lanes Undivided	25,000	14,700	0.588	A	14,962	0.598	A	262
Camino Capistrano									
North of SR 74	3 Lanes Undivided	18,750 ^g	15,200	0.811	D	15,462	1.237	F	262
South of SR 74	4 Lanes Undivided	25,000 ^g	18,900	0.756	C	19,162	1.533	F	262
Rancho Viejo Road	4 Lanes Undivided	25,000	14,100	0.564	A	14,362	0.574	A	262
Calle Arroyo	4 Lanes Undivided	25,000	7,800	0.312	A	8,062	0.322	A	262
San Juan Creek Road	2 Lanes Undivided	12,500	11,500	0.920	E	11,762	0.941	E	262
La Novia Avenue	2 Lanes Undivided	12,500	14,000	1.120	F	14,262	1.141	F	262
Via Pamplona	2 Lanes Undivided	12,500 ^g	700	0.056	A	962	0.154	A	262
Vista Montana	4 Lanes Divided	37,500 ^g	6,700	0.179	A	6,962	0.557	A	262
Calle San Diego	2 Lanes Undivided	12,500 ^g	800	0.064	A	1,062	0.170	A	262
La Pata Avenue	2 Lanes Undivided	12,500	5,300	0.424	A	5,562	0.445	A	262
Avenida la Pata									
North of Avenida Pico	6 Lanes Divided	56,300	6,600	0.117	A	6,862	0.122	A	262
South of Avenida Pico	4 Lanes Divided	37,500	9,900	0.264	A	10,162	0.271	A	262
Avenida Vista Hermosa	4 Lanes Divided	37,500	31,900	0.851	D	32,162	0.858	D	262
Calle Del Cerro	2 Lanes Divided	12,500	15,400	1.232	F	15,662	1.253	F	262
Avenida Vista Montana	2 Lanes Undivided	12,200	6,600	0.528	A	6,862	0.549	A	262
Avenida Pico									
West of Avenida La Pata	6 Lanes Divided	56,300	51,700	0.918	E	51,962	0.923	E	262
East of Avenida La Pata	6 Lanes Divided	56,300	15,400	0.274	A	15,662	0.278	A	262
Calle Saluda	2 Lanes Undivided	12,500	4,300	0.344	A	4,562	0.365	A	262
State Route 74									
West of La Novia Avenue	4 Lanes Undivided	25,000	46,700	1.868	F	46,962	1.878	F	262
East of La Novia Avenue	4 Lanes Undivided	25,000	46,700	1.868	F	46,962	1.878	F	262
Interstate 5									
North of SR 74	8 Main Lanes + 2 HOV Lanes	180,000 ^b	269,200	1.496	F	269,462	1.497	F	262
South of SR 74	8 Main Lanes + 2 HOV Lanes	180,000 ^b	297,700	1.654	F	297,962	1.655	F	262

Footnotes:

- a. Capacities based on Orange County Highway Design Manual Roadway Classification Table.
- b. Capacities based on City of San Diego Roadway Classification Table.
- c. Average Daily Traffic.
- d. Volume-to-Capacity ratio.
- e. Level of Service.
- f. Δ denotes an increase in the traffic volume between the Existing and Existing+Project scenarios.
- g. During construction, partial or full closure of this roadway is required, which would lower the roadway capacity. For the purposes of this analysis, the capacity was reduced by half.

**Table 2
 Near-Term Cumulative (Year 2020) Street Segment Operations**

Street Segment	Classification	Capacity (LOS E) ^a	Near-Term Cumulative (Year 2020) without Project			Near-Term Cumulative (Year 2020) with Project		
			ADT ^c	V/C ^d	LOS ^e	ADT	V/C	LOS
Junipero Serra Road	4 Lanes Undivided	25,000	16,520	0.661	B	16,782	0.671	B
Camino Capistrano								
North of SR 74	3 Lanes Undivided	18,750 ^g	17,020	0.908	E	17,282	1.383	F
South of SR 74	4 Lanes Undivided	25,000 ^g	20,720	0.829	D	20,982	1.679	F
Rancho Viejo Road	4 Lanes Undivided	25,000	14,790	0.592	A	15,052	0.602	B
Calle Arroyo	4 Lanes Undivided	25,000	8,570	0.343	A	8,832	0.353	A
San Juan Creek Road	2 Lanes Undivided	12,500	11,960	0.957	E	12,222	0.978	E
La Novia Avenue	2 Lanes Undivided	12,500	15,370	1.230	F	15,632	1.251	F
Via Pamplona	2 Lanes Undivided	12,500 ^g	770	0.062	A	1,032	0.165	A
Vista Montana	4 Lanes Divided	37,500 ^g	7,360	0.196	A	7,622	0.610	B
Calle San Diego	2 Lanes Undivided	12,500 ^g	880	0.070	A	1,142	0.183	A
La Pata Avenue	2 Lanes Undivided	12,500	5,760	0.461	A	6,022	0.482	A
Avenida la Pata								
North of Avenida Pico	6 Lanes Divided	56,300	14,560	0.259	A	14,822	0.263	A
South of Avenida Pico	4 Lanes Divided	37,500	10,810	0.288	A	11,072	0.295	A
Avenida Vista Hermosa	4 Lanes Divided	37,500	36,900	0.984	E	37,162	0.991	E
Calle Del Cerro	2 Lanes Divided	12,500	16,920	1.354	F	17,182	1.375	F
Avenida Vista Montana	2 Lanes Undivided	12,200	7,250	0.580	A	7,512	0.601	B
Avenida Pico								
West of Avenida La Pata	6 Lanes Divided	56,300	56,480	1.003	F	56,742	1.008	F
East of Avenida La Pata	6 Lanes Divided	56,300	20,180	0.358	A	20,442	0.363	A
Calle Saluda	2 Lanes Undivided	12,500	4,730	0.378	A	4,992	0.399	A
State Route 74								
West of La Novia Avenue	4 Lanes Undivided	25,000	49,890	1.996	F	50,152	2.006	F
East of La Novia Avenue	4 Lanes Undivided	25,000	51,020	2.041	F	51,282	2.051	F
Interstate 5								
North of SR 74	8 Main Lanes + 2 HOV Lanes	180,000 ^b	293,520	1.631	F	293,782	1.632	F
South of SR 74	8 Main Lanes + 2 HOV Lanes	180,000 ^b	321,340	1.785	F	321,602	1.787	F

Footnotes:

- Capacities based on Orange County Highway Design Manual Roadway Classification Table.
- Capacities based on City of San Diego Roadway Classification Table.
- Average Daily Traffic.
- Volume-to-Capacity ratio.
- Level of Service.
- Δ denotes an increase in the traffic volume between the Cumulative (Year 2020) with and without project scenarios.
- During construction, partial or full closure of this roadway is required, which would lower the roadway capacity. For the purposes of this analysis, the capacity was reduced by half.

APPLICANT PROPOSED MEASURES

The applicant has committed to the following applicant proposed measures (APMs) as part of the design of the proposed project:

- **APM PS-3: Roadway Repair.**
SDG&E Contract Administrators oversee all aspects of construction and would ensure that contractors repair any damage caused by construction activities. Contract Administrators would also work with the customer and/or local agency to ensure repairs are sufficient and consistent with pre-construction conditions. Contractors working for SDG&E typically photograph and/or video document pre-construction conditions. At the completion of the construction activities, this documentation is used to ensure that any damage that is caused by construction work is repaired.
- **APM TR-1: Avoid Traffic Near Schools.**
Construction generated traffic associated with the San Juan Capistrano Substation and construction of the 138kV getaways (new underground cable packages and new Pole Nos. 1a through 7a) would avoid the start and ending time for the Saddleback Valley Christian School and Junipero Serra Catholic High School. Workers would arrive at construction sites by 7:30 AM and would not leave prior to 3:30 PM.
- **APM TR-2: Avoid SR-74 Traffic.**
Construction generated traffic associated with the San Juan Capistrano Substation and construction of the 138kV getaways (new underground cable packages and new Pole Nos. 1a through 7a) would avoid the SR-74 off-ramp from I-5. Avoidance of the SR-74 and I-5 interchange would ensure that construction generated traffic would not exacerbate existing conditions on the stretch of road between the intersections of SR-74 and Rancho Viejo Road and SR-74 and Del Obispo.
- **APM TR-3: Emergency Access.**
SDG&E would coordinate with local emergency response agencies during all construction within existing roadways. Coordination with local response agencies (such as Orange County Sheriff's Department and Orange County Fire Authority) would ensure that impacts to emergency access are less than significant.

- **APM TR-4: Off-Peak Deliveries.**
Deliveries would be scheduled during off-peak traffic periods to reduce trips during off-peak traffic periods to reduce trips during the most congested periods of the day.
- **APM TR-5: Material Removal, City Streets.**
For any underground work along city streets, materials would be removed from work areas on a daily basis to minimize traffic impacts.
- **APM TR-6: Helicopter Use.**
When helicopters are in use for construction activities, designated fly yards would be kept clear of all construction activity. If helicopters are used during construction of the proposed project, existing helicopter landing areas would be used whenever feasible. Helicopter landing areas along the existing ROW would be located away from residences and other land uses (generally at least one mile from sensitive noise receptors).
- **APM TR-7: Traffic Control Plans.**
Contractors working for SDG&E would develop specific traffic control plans immediately prior to the start of construction that adhere to the Standing Traffic Control Procedure from the authority having jurisdiction (federal, state, county, city, and municipality) of the roadway being impacted. The traffic control plans would be created for the various construction phases of the San Juan Capistrano Substation, underground transmission and underground distribution segments leaving the San Juan Capistrano Substation, and overhead transmission.

The approved traffic control plans would describe the lane closures and other methods for reducing adverse construction-related traffic impacts and require SDG&E to coordinate in advance with emergency service providers to avoid restricting movements of emergency vehicles, to ensure that emergency vehicle access is maintained and that impact to traffic flow are minimized.

All traffic control plans would be developed, reviewed and approved by the authority having jurisdiction of the specific roadway being impacted. The traffic control plans would be communicated to the public at least 48 hours in advance to the traffic control measures being installed in the roadway or as required by the traffic control permit.

CONCLUSION

As seen in *Table 1* and *Table 2*, there is no degradation in the study roadway segment operations LOS to an unacceptable LOS with the addition of project traffic, with the exception of the following roadway segment due to proposed lane closures during construction:

- Camino Capistrano

Additionally, full closure of the following roadway segments may occur for relatively short periods during the construction activities at Camino Capistrano, Calle San Diego and Via Pamplona. Full closure of a roadway would result in a significant impact.

Due to proposed lane closures during construction activities, the study roadway segment operations LOS for Camino Capistrano will degrade to an unacceptable LOS. For Via Pamplona and Calle San Diego, partial closures would result in only one lane open for traffic. This would require flagging operations, which could result in long traffic delays. For these reasons and the possibility of full closure of the roadways, significant impacts were determined to occur at the following roadway segments:

- Camino Capistrano
- Via Pamplona
- Calle San Diego

A significant impact was not determined to occur on Vista Montana since two lanes would remain open during construction and two lanes can accommodate the amount of traffic expected on the roadway. Construction-generated traffic associated with the project should avoid the start and ending time for San Juan Hills High School. Workers should arrive at construction sites by 7:30 AM and should not leave prior to 3:30 PM.

Even with the implementation of the APMs, these significant impacts would not be mitigated to below a level of significance. Therefore, these impacts are considered significant and unavoidable throughout the duration of the construction activities. It should be noted that these impacts would be temporary since once construction activities are complete, the roadways will regain their full capacity.

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ATTACHMENT A

Proposed Project Component	Approximate Duration of Construction Activities (months) and Start Date	Affected Roadways	Construction Generated ADT ¹			Construction Generated ADT ¹ with PCE Factor Applied ²		
			Total	Cars/ Vans/ Pickups	Trucks	Total ³	Cars/ Vans/ Pickups (PCE = 1.0)	Trucks (PCE = 3.0)
assumes 2 stringing crews	2015)	74, La Pata Avenue						
Cumulative ADT Values³								
<u>San Juan Capistrano Substation/West of I-5:</u> 1. Capistrano Site Development 2. 138kV Capistrano Getaways 3. Distribution Reroute	May 2015	I-5, Junipero Serra Road, and Camino Capistrano	45	27	18	81	27	54
<u>230kV Construction (East of I-5) Year 2015:</u> 1. 230kV Structure Pads and Grading 2. 230 Structure foundations 3. 230kV Segment 2 (TL23030) 4. Distribution construction along Rancho Viejo	2015	I-5, Junipero Serra Road, Rancho Viejo Road, SR-74, Via Priorato, Sundance Drive, San Juan Creek Road, Calle Arroyo, Juliana Farms Road, La Pata Avenue, and Vista Montana	71	41	30	131	41	90

Proposed Project Component	Approximate Duration of Construction Activities (months) and Start Date	Affected Roadways	Construction Generated ADT ¹			Construction Generated ADT ¹ with PCE Factor Applied ²		
			Total	Cars/ Vans/ Pickups	Trucks	Total ³	Cars/ Vans/ Pickups (PCE = 1.0)	Trucks (PCE = 3.0)
<u>230kV Construction (East of I-5) Year 2017:</u> 1. 230kV Structures and Stringing 2. 230kV Segment 2 (23007)	2017	I-5, Junipero Serra Road, Rancho Viejo Road, SR-74, Via Priorato, Sundance Drive, San Juan Creek Road, Calle Arroyo, Juliana Farms Road, La Pata Avenue, and Vista Montana	50	28	22	94	28	66
<u>Segment 4/Talega:</u> 1. Talega Substation construction 2. 69/138kV Segment 4 construction	2019	I-5 and Avenida Pico	45	26	19	83	26	57

Notes:

¹Average Daily Trips are calculated by taking the total number of vehicle trips (for all vehicles combined) required and dividing by the approximate number of construction days. ADT values given include trips associated with the hauling of waste and materials, such as haul trucks and cement trucks.

²A Passenger Car Equivalent (PCE) factor of 1.0 was applied to cars, pick-ups (smaller trucks), and vans; a PCE of 3.0 was applied to large vehicles (large trucks and other vehicles) to account for the effects of their larger sizes and slower movements on traffic operations. Large vehicles could include waste haul trucks, water trucks, line trucks, boom trucks, concrete trucks, and large equipment deliveries.

³These ADT values represent where different phases of construction (such as San Juan Capistrano Substation construction and 138kV getaways construction) overlap with respect to location (i.e. affected roadways) and construction schedule. Note that the potential cumulative ADT shown is worst case and all common roadways listed would not necessarily experience full combined traffic.

Crew Assumptions:

Trench crew (transmission or distribution) Assumes 5 workers per crew, 1 specialty monitor or inspector per crew, 2 haul trucks per crew, one water truck per crew, and 2 traffic control trips where applicable.

Transmission Pads/Grading Crew assumes 5 workers per crew, 1 specialty monitor or inspector per crew, 1 water truck per crew, 2 haul trucks per crew, and an average of approximately 1 large equipment delivery (e.g. backhoe) per day.

Transmission foundation crew assumes 5 workers per crew, 1 specialty monitor or inspector per crew, 2 concrete trucks, 2 waste/haul trucks, and approximately 1 larger equipment or material delivery.

Appendix J

Environmental Data Resources Database Report

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South Orange County Reliability Enhancement
San Juan Capistrano, CA 92675

Inquiry Number: 3233412.1s
January 06, 2012

EDR DataMap™ Corridor Study

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

SAN JUAN CAPISTRANO, CA 92675
SAN JUAN CAPISTRANO, CA 92675

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
LIENS 2	CERCLA Lien Information
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
RCRA-NonGen	RCRA - Non Generators
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
DOT OPS	Incident and Accident Data
US CDL	Clandestine Drug Labs
US BROWNFIELDS	A Listing of Brownfields Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
UMTRA	Uranium Mill Tailings Sites
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
MINES	Mines Master Index File
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US HIST CDL	National Clandestine Laboratory Register
PCB TRANSFORMER	PCB Transformer Registration Database
FEDERAL FACILITY	Federal Facility Site Information listing
COAL ASH DOE	Steam-Electric Plan Operation Data
FEMA UST	Underground Storage Tank Listing
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List

STATE AND LOCAL RECORDS

CA HIST Cal-Sites..... Historical Calsites Database

EXECUTIVE SUMMARY

CA BOND EXP. PLAN.....	Bond Expenditure Plan
CA Toxic Pits.....	Toxic Pits Cleanup Act Sites
CA Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CA LIENS.....	Environmental Liens Listing
CA LDS.....	Land Disposal Sites Listing
CA MCS.....	Military Cleanup Sites Listing
CA Notify 65.....	Proposition 65 Records
CA DEED.....	Deed Restriction Listing
CA WIP.....	Well Investigation Program Case List
CA CDL.....	Clandestine Drug Labs
CA RESPONSE.....	State Response Sites
CA HAULERS.....	Registered Waste Tire Haulers Listing
CA HWP.....	EnviroStor Permitted Facilities Listing
CA MWMP.....	Medical Waste Management Program Listing
CA PROC.....	Certified Processors Database
CA HWT.....	Registered Hazardous Waste Transporter Database

TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land
INDIAN VCP.....	Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
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SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 06/30/2011 has revealed that there is 1 NPL site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC CAMP PENDLETON</i>	<i>BLDG 2631</i>	<i>0</i>	<i>3</i>

EXECUTIVE SUMMARY

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 02/25/2011 has revealed that there is 1 CERCLIS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC CAMP PENDLETON</i>	<i>BLDG 2631</i>	<i>0</i>	<i>3</i>

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/09/2011 has revealed that there is 1 CORRACTS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC CAMP PENDLETON</i>	<i>BLDG 2631</i>	<i>0</i>	<i>3</i>

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/15/2011 has revealed that there is 1 RCRA-TSDF site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC CAMP PENDLETON</i>	<i>BLDG 2631</i>	<i>0</i>	<i>3</i>

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/15/2011 has revealed that there are 3 RCRA-LQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC CAMP PENDLETON</i>	<i>BLDG 2631</i>	<i>0</i>	<i>3</i>
<i>FLAVOR INFUSION, LLC</i>	<i>1324 CALLE AVANZADO</i>	<i>12</i>	<i>157</i>

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
TRW INCORPORATED	33000 AVENIDA PICO	13	172

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/15/2011 has revealed that there are 3 RCRA-SQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SHELL SERVICE STATION	26571 JUNIPERO SERRA	1	106
POLO CLEANERS	31105 RANCHO VIEJO RD	6	118
IMPACT BEARING	1291 PUERTO DEL SOL	11	154

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 03/16/2011 has revealed that there is 1 US ENG CONTROLS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
USMC CAMP PENDLETON	BLDG 2631	0	3

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 03/16/2011 has revealed that there is 1 US INST CONTROL site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
USMC CAMP PENDLETON	BLDG 2631	0	3

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
CAMP PENDLETON MARINE CORPS BA		0	100

EXECUTIVE SUMMARY

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 07/31/2011 has revealed that there is 1 ROD site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC CAMP PENDLETON</i>	<i>BLDG 2631</i>	<i>0</i>	<i>3</i>

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2009 has revealed that there is 1 TRIS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC CAMP PENDLETON</i>	<i>BLDG 2631</i>	<i>0</i>	<i>3</i>

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 11/01/2010 has revealed that there is 1 PADS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC CAMP PENDLETON</i>	<i>BLDG 2631</i>	<i>0</i>	<i>3</i>

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/14/2010 has revealed that there are 2 FINDS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>POLO CLEANERS</i>	<i>31105 RANCHO VIEJO RD</i>	<i>6</i>	<i>118</i>
<i>TRW INCORPORATED</i>	<i>33000 AVENIDA PICO</i>	<i>13</i>	<i>172</i>

EXECUTIVE SUMMARY

RAATS: The RCRA Administration Action Tracking System contains records based on enforcement actions issued under RCRA and pertaining to major violators. It includes administrative and civil actions brought by the United States Environmental Protection Agency. The source of this database is the U.S. EPA.

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there is 1 RAATS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>USMC CAMP PENDLETON</i>	<i>BLDG 2631</i>	<i>0</i>	<i>3</i>

STATE AND LOCAL RECORDS

CA SCH: This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category, depending on the level of threat to public health and safety or the environment they pose.

A review of the CA SCH list, as provided by EDR, and dated 11/07/2011 has revealed that there are 2 CA SCH sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>PLANT DEPOT SCHOOL SITE</i>	<i>31251 AVENIDA LOS CERRI</i>	<i>5</i>	<i>116</i>
<i>SAN JUAN ELEMENTARY SCHOOL</i>	<i>31642 EL CAMINO REAL</i>	<i>8</i>	<i>146</i>

CA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the CA SWF/LF list, as provided by EDR, and dated 11/21/2011 has revealed that there is 1 CA SWF/LF site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
FORSTER CANYON LANDFILL	LA NOVIA & SAN JUAN CRE	9	149

CA WDS: California Water Resources Control Board - Waste Discharge System.

A review of the CA WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there is 1 CA WDS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>TRW - CAPISTRANO TEST SITE</i>	<i>33000 AVENIDA PICO</i>	<i>13</i>	<i>161</i>

EXECUTIVE SUMMARY

CA WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the CA WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 2 CA WMUDS/SWAT sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
FORSTER CANYON LANDFILL STN 17	FORSTER CANYON ROAD	9	150
SAN JUAN CAPISTRANO LANDFILL	NEAR SAN JUAN CREEK 300	9	151

CA NPDES: A listing of NPDES permits, including stormwater.

A review of the CA NPDES list, as provided by EDR, and dated 11/21/2011 has revealed that there is 1 CA NPDES site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>T R W CAPISTRANO TEST SITE</i>	<i>33000 AVENIDA PICO</i>	<i>13</i>	<i>182</i>

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 8 CA HIST CORTESE sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>ULTRAMAR/SAN JUAN SERVICE</i>	<i>26572 JUNIPERO SERRA</i>	<i>1</i>	<i>100</i>
<i>EXXON STATION #7-3050</i>	<i>26572 JUNIPERO SERRA</i>	<i>1</i>	<i>101</i>
<i>SHELL OIL STATION</i>	<i>26571 JUNIPERO SERRA</i>	<i>1</i>	<i>109</i>
<i>CHEVRON STATION #9-3160</i>	<i>27112 ORTEGA</i>	<i>7</i>	<i>122</i>
<i>TOSCO/76 PRODUCTS STATION</i>	<i>27164 ORTEGA</i>	<i>7</i>	<i>127</i>
<i>SHELL SERVICE STATION</i>	<i>27101 ORTEGA</i>	<i>7</i>	<i>138</i>
<i>LOS CERRITOS RANCH</i>	<i>31642 AVENIDA LOS CERRI</i>	<i>7</i>	<i>145</i>
<i>SOLAG DISPOSAL</i>	<i>31731 PASEO ADELANTO</i>	<i>10</i>	<i>152</i>

CA SWRCY: A listing of recycling facilities in California.

A review of the CA SWRCY list, as provided by EDR, and dated 09/08/2011 has revealed that there is 1 CA SWRCY site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>TOMRA PACIFIC INC</i>	<i>989 AVENIDA PICO</i>	<i>14</i>	<i>189</i>

EXECUTIVE SUMMARY

CA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the CA LUST list, as provided by EDR, and dated 11/10/2011 has revealed that there are 13 CA LUST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
ULTRAMAR/SAN JUAN SERVICE	26572 JUNIPERO SERRA	1	100
ULTRAMAR /SAN JUAN SERVICE Status: Open - Site Assessment Status: Completed - Case Closed	26572 JUNIPERO SERRA	1	101
SHELL SERVICE STATION Status: Completed - Case Closed	26571 JUNIPERO SERRA	1	106
SHELL OIL STATION	26571 JUNIPERO SERRA	1	109
MARBELLA GOLF COURSE Status: Completed - Case Closed	30650 GOLF CLUB	3	112
CHEVRON STATION #93160 Status: Completed - Case Closed	27112 ORTEGA HWY	7	123
CHEVRON STATION NO 93160	27112 ORTEGA HWY	7	125
TOSCO/76 PRODUCTS STATION Status: Completed - Case Closed Status: Open - Site Assessment	27164 ORTEGA	7	127
CIRCLE K STORES INC STATION #5	27164 ORTEGA HWY	7	135
SHELL SERVICE STATION Status: Completed - Case Closed	27101 ORTEGA	7	138
LOS CERRITOS RANCH	31642 AVENIDA LOS CERRI	7	144
ROMARCO REALTY CORP Status: Completed - Case Closed	31642 AVE LOS CERRITOS	7	144
PACIFIC GOLF CLUB Status: Completed - Case Closed	200 AVENIDA LA PATA	15	190

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
MARBELLA GOLF & COUNTRY CLUB	30650 GOLF CLUB DR	3	111
T R W CAPISTRANO TEST SITE	33000 AVENIDA PICO	13	168

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, and dated 11/10/2011 has revealed that there are 4 CA SLIC sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
POLO CLEANERS (MARBELLA PLAZA) Facility Status: Completed - Case Closed	31105 RANCHO VIEJO ROAD	6	121

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
NORTHROP GRUMMAN CAPISTRANO TE Facility Status: Open - Site Assessment	33000 AVENIDA PICO,	13	168
T R W CAPISTRANO TEST SITE Facility Status: Open - Site Assessment Facility Status: Open - Assessment & Interim Remedial Action <i>*Additional key fields are available in the Map Findings section</i>	33000 AVENIDA PICO	13	182
TRW OPERATIONS & SUPPORT GROUP Facility Status: Completed - Case Closed	33000 AVENIDA PICO	13	188

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, and dated 11/10/2011 has revealed that there are 4 CA UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
LOS CERRITOS RANCH	31251 AVENIDA LOS CERRI	5	118
CHEVRON STATION #93160	27112 ORTEGA HWY	7	123
T R W CAPISTRANO TEST SITE	33000 AVENIDA PICO	13	182
PACIFIC GOLF CLUB	200 AVENIDA LA PATA	15	190

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 CA HIST UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
LOS CERRITOS RANCH	31642 AVENIDA LOS CERRI	7	145
TRW - CAPISTRANO TEST SITE	33000 AVENIDA PICO	13	161

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, has revealed that there are 2 NY MANIFEST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
USMC CAMP PENDLETON	BLDG 2631	0	3
TRW INCORPORATED	33000 AVENIDA PICO	13	172

EXECUTIVE SUMMARY

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 CA SWEEPS UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>ULTRAMAR /SAN JUAN SERVICE</i>	<i>26572 JUNIPERO SERRA</i>	<i>1</i>	<i>101</i>
<i>MARBELLA GOLF & COUNTRY CLUB</i>	<i>30650 GOLF CLUB DR</i>	<i>3</i>	<i>111</i>
<i>T R W CAPISTRANO TEST SITE</i>	<i>33000 AVENIDA PICO</i>	<i>13</i>	<i>182</i>
<i>PACIFIC GOLF CLUB</i>	<i>200 AVENIDA LA PATA</i>	<i>15</i>	<i>190</i>

CA CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CA CHMIRS list, as provided by EDR, and dated 12/31/2010 has revealed that there are 2 CA CHMIRS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>TRW - CAPISTRANO TEST SITE</i>	<i>33000 AVENIDA PICO</i>	<i>13</i>	<i>161</i>
<i>T R W CAPISTRANO TEST SITE</i>	<i>33000 AVENIDA PICO</i>	<i>13</i>	<i>182</i>

CA AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA AST list, as provided by EDR, and dated 08/01/2009 has revealed that there is 1 CA AST site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
Not reported	30650 GOLF CLUB DR	3	112

CA VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the CA VCP list, as provided by EDR, and dated 11/07/2011 has revealed that there is 1 CA VCP site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>SOLAG DISPOSAL</i>	<i>31731 PASEO ADELANTO</i>	<i>10</i>	<i>152</i>

EXECUTIVE SUMMARY

CA DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CA DRYCLEANERS list, as provided by EDR, and dated 06/28/2011 has revealed that there is 1 CA DRYCLEANERS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
ORIGINAL POLO CLEANERS	31105 RANCHO VIEJO RD S	6	121

CA ENF: A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

A review of the CA ENF list, as provided by EDR, and dated 08/15/2011 has revealed that there is 1 CA ENF site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SHELL SERVICE STATION	27101 ORTEGA	7	138

CA HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the CA HAZNET list, as provided by EDR, and dated 12/31/2010 has revealed that there are 16 CA HAZNET sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
MARBELLA GOLF COURSE	30650 GOLF CLUB	3	112
INTOWN PROP/HUD	31098 CALLE SAN DIEGO	4	114
SAN DIEGO GAS AND ELECTRIC PRO	31050 CAMINO CAPISTRANO	4	115
LAWSON'S LANDSCAPE	31050 CAMINO CAPISTRANO	4	115
POLO CLEANERS	31105 RANCHO VIEJO RD	6	118
CHEVRON STATION #9-3160	27112 ORTEGA	7	122
CHEVRON STATION NO 93160	27112 ORTEGA HWY	7	125
TOSCO/76 PRODUCTS STATION	27164 ORTEGA	7	127
CIRCLE K STORES INC STATION #5	27164 ORTEGA HWY	7	135
SHELL SERVICE STATION	27101 ORTEGA	7	138
SAN JUAN ELEMENTARY SCHOOL	31642 EL CAMINO REAL	8	146
IMPACT BEARING	1291 PUERTO DEL SOL	11	154
FLAVOR INFUSION, LLC	1324 CALLE AVANZADO	12	157
TRW INCORPORATED	33000 AVENIDA PICO	13	172
TOMRA PACIFIC INC	989 AVENIDA PICO	14	189
PACIFIC GOLF CLUB	200 AVENIDA LA PATA	15	190

EXECUTIVE SUMMARY

CA EMI: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the CA EMI list, as provided by EDR, and dated 12/31/2008 has revealed that there is 1 CA EMI site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
NORTHROP GRUMMAN CAPISTRANO TE	33000 AVENIDA PICO,	13	168

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 11/07/2011 has revealed that there are 4 CA ENVIROSTOR sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
ENDEVCO CORPORATION Status: Inactive - Needs Evaluation	30700 RANCHO VIEJO ROAD	2	110
PLANT DEPOT SCHOOL SITE Status: Inactive - Needs Evaluation	31251 AVENIDA LOS CERRI	5	116
SAN JUAN ELEMENTARY SCHOOL Status: Inactive - Needs Evaluation	31642 EL CAMINO REAL	8	146
SOLAG DISPOSAL Status: No Further Action	31731 PASEO ADELANTO	10	152

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL RECORDS</u>	
NPL	1
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
CERCLIS	1
CERC-NFRAP	0
LIENS 2	0
CORRACTS	1
RCRA-TSDF	1
RCRA-LQG	3
RCRA-SQG	3
RCRA-CESQG	0
RCRA-NonGen	0
US ENG CONTROLS	1
US INST CONTROL	1
ERNS	0
HMIRS	0
DOT OPS	0
US CDL	0
US BROWNFIELDS	0
DOD	1
FUDS	0
LUCIS	0
CONSENT	0
ROD	1
UMTRA	0
DEBRIS REGION 9	0
ODI	0
MINES	0
TRIS	1
TSCA	0
FTTS	0
HIST FTTS	0
SSTS	0
ICIS	0
PADS	1
MLTS	0
RADINFO	0
FINDS	2
RAATS	1
SCRD DRYCLEANERS	0
US HIST CDL	0
PCB TRANSFORMER	0
FEDERAL FACILITY	0
COAL ASH DOE	0
FEMA UST	0
COAL ASH EPA	0
<u>STATE AND LOCAL RECORDS</u>	
CA HIST Cal-Sites	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
CA BOND EXP. PLAN	0
CA SCH	2
CA Toxic Pits	0
CA SWF/LF	1
CA WDS	1
CA WMUDS/SWAT	2
CA NPDES	1
CA Cortese	0
CA HIST CORTESE	8
CA SWRCY	1
CA LUST	13
CA FID UST	2
CA SLIC	4
CA UST	4
CA HIST UST	2
CA LIENS	0
NY MANIFEST	2
CA SWEEPS UST	4
CA CHMIRS	2
CA LDS	0
CA AST	1
CA MCS	0
CA Notify 65	0
CA DEED	0
CA VCP	1
CA DRYCLEANERS	1
CA WIP	0
CA CDL	0
CA ENF	1
CA RESPONSE	0
CA HAZNET	16
CA EMI	1
CA ENVIROSTOR	4
CA HAULERS	0
CA HWP	0
CA MWMP	0
CA PROC	0
CA HWT	0

TRIBAL RECORDS

INDIAN RESERV	0
INDIAN ODI	0
INDIAN LUST	0
INDIAN UST	0
INDIAN VCP	0

EDR PROPRIETARY RECORDS

Manufactured Gas Plants	0
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NOTES:

Sites may be listed in more than one database

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

NPL Region	USMC CAMP PENDLETON BLDG 2631 CAMP PENDLETON, CA 92055		NPL 1000344642 CERCLIS 92055MRNCRPO CORRACTS RCRA-TSDF RCRA-LQG US ENG CONTROLS US INST CONTROL ROD TRIS PADS RAATS NY MANIFEST
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NPL:
 EPA ID: CA2170023533
 EPA Region: 09
 Federal: Y
 Final Date: 1989-11-21 00:00:00

Category Details:
 NPL Status: Currently on the Final NPL
 Category Description: Depth To Aquifer-<= 10 Feet
 Category Value: 5

NPL Status: Currently on the Final NPL
 Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
 Category Value: 10

Site Details:
 Site Name: CAMP PENDLETON MARINE CORPS BASE
 Site Status: Final
 Site Zip: 92055
 Site City: CAMP PENDLETON
 Site State: CA
 Federal Site: Yes
 Site County: SAN DIEGO
 EPA Region: 09
 Date Proposed: 07/14/89
 Date Deleted: Not reported
 Date Finalized: 11/21/89

Substance Details:
 NPL Status: Currently on the Final NPL
 Substance ID: Not reported
 Substance: Not reported
 CAS #: Not reported
 Pathway: Not reported
 Scoring: Not reported

NPL Status: Currently on the Final NPL
 Substance ID: A046
 Substance: POLYCHLORINATED BIPHENYLS
 CAS #: 1336-36-3
 Pathway: GROUND WATER PATHWAY
 Scoring: 3

NPL Status: Currently on the Final NPL
 Substance ID: C321

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Substance: TRICHLOROETHANE
 CAS #: 25323-89-1
 Pathway: NO PATHWAY INDICATED
 Scoring: 1

NPL Status: Currently on the Final NPL
 Substance ID: U233
 Substance: TP ACID (SILVEX), 2,4,5-
 CAS #: 93-72-1
 Pathway: NO PATHWAY INDICATED
 Scoring: 1

Summary Details:

Conditions at proposal July 14, 1989): The Camp Pendleton Marine Corps Base encompasses approximately 125,000 acres in San Diego County, California. The installation is bordered by the City of San Clemente to the north, the City of Oceanside to the south, and the City of Fallbrook to the east. The base has served as a training base since its establishment in 1941. Industrial and other support operations have generated hazardous wastes, including waste oils, contaminated fuels and other petroleum products, cleaning solvents, and pesticide rinsate. Camp Pendleton is participating in the Installation Restoration Program (IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. As part of IRP studies, the Navy identified a number of potentially contaminated areas, including eight areas where wastes containing DDT, heptachlor, 2,4-T, lindane, lead, trichloroethylene, methyl ethyl ketone, benzene, and xylene had been deposited. Ground water is shallow, averaging 7-14 feet deep, and soils are permeable, conditions that facilitate movement of contaminants into ground water. The 40,000 people living and working on the base obtain drinking water from wells within 3 miles of hazardous substances on the base. The nearest well is within 1,320 feet of one of the disposal areas. To date, no contaminants have been detected in the camp's water supply. San Margarita River, Las Flores Creek, and San Mateo Creek empty into coastal wetlands within 2 miles of Camp Pendleton. Surface waters within 3 miles downstream are used for recreational activities. Critical habitats for three birds designated as endangered by the U.S. Fish and Wildlife Service are within 1 mile of the camp. The Marine Corps has completed a site inspection and is about to start planning for a remedial investigation/feasibility study (RI/FS) to determine the type and extent of contamination at the base and identify alternatives for remedial action. Status November 21, 1989): The RI/FS is underway.

Site Status Details:

NPL Status: Final
 Proposed Date: 07/14/1989
 Final Date: 11/21/1989
 Deleted Date: Not reported

Narratives Details:

NPL Name: CAMP PENDLETON MARINE CORPS BASE
 City: CAMP PENDLETON
 State: CA

CERCLIS:

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Site ID: 0902732
 EPA ID: CA2170023533
 Facility County: SAN DIEGO
 Short Name: CAMP PENDLETON MARINE COR
 Congressional District: 48
 IFMS ID: 09Q3
 SMSA Number: 7320
 USGC Hydro Unit: 18070303
 Federal Facility: Federal Facility
 DMNSN Number: 125000.00000
 Site Orphan Flag: N
 RCRA ID: Not reported
 USGS Quadrangle: Not reported
 Site Init By Prog: Not reported
 NFRAP Flag: Not reported
 Parent ID: Not reported
 RST Code: Not reported
 EPA Region: 09
 Classification: Not reported
 Site Settings Code: SU
 NPL Status: Currently on the Final NPL
 DMNSN Unit Code: ACRE
 RBRAC Code: Not reported
 RResp Fed Agency Code: USNV
 Non NPL Status: Not reported
 Non NPL Status Date: Not reported
 Site Fips Code: 06073
 CC Concurrence Date: Not reported
 CC Concurrence FY: Not reported
 Alias EPA ID: Not reported
 Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 9270482.00000
 Contact Name: Martin Hausladen
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 Contact Email: Not reported

Contact ID: 9270048.00000
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 Contact Title: Site Assessment Manager (SAM)
 Contact Email: Not reported

Contact ID: 13002167.00000
 Contact Name: Carl Brickner
 Contact Tel: (415) 972-3814
 Contact Title: Site Assessment Manager (SAM)
 Contact Email: Not reported

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Database(s) EPA ID Number

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Contact ID: 9270438.00000
 Contact Name: Dawn Richmond
 Contact Tel: (415) 972-3097
 Contact Title: Site Assessment Manager (SAM)
 Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101
 Alias Name: MARINE CORPS BASE CAMP PENDLETON
 Alias Address: BLDG 2631
 CAMP PENDLETON, CA 92055

Alias ID: 201
 Alias Name: CAMP PENDLETON PCB SPILL
 Alias Address: Not reported
 CA

Alias ID: 202
 Alias Name: CAMP PENDLETON MARINE CORPS BASE
 Alias Address: CAMP PENDLETON MARINE BASE
 CAMP PENDLETON, CA 92055

Alias ID: 203
 Alias Name: CAMP PENDLETON MARINE CORPS BASE
 Alias Address: CAMP PENDLETON MARINE BASE
 SAN DIEGO COUNTY, CA 92055

Alias ID: 9270125
 Alias Name: MCB CAMP PENDLETON
 Alias Address: BLDG 2631
 CAMP PENDLETON, CA 96614

Alias ID: 201
 Alias Comments: PREVIOUS EPA ID# AZD 981 416 977

Site Description: Construction of Marine Corps Base (MCB) Camp Pendleton started in March 1942, and dedicated in September 1942. MCB Camp Pendleton has been a training facility since 1942, but was not designated a permanent base until October 1944. The base currently supports more than 36,000 military personnel and employs approximately 4,600 civilians. On November 15, 1989, MCB Camp Pendleton was added to the National Priorities List (NPL) primarily because an herbicide was detected in two base drinking water production wells. Site 9-41 Area Stuart Mesa Waste Stabilization Pond From 1963 to 1974 or 1975, the waste stabilization pond was operated as a sewage lagoon for oxidation and percolation of raw sewage generated in 41 Area. In 1975, a wet well and a lift station were installed, and raw sewage was pumped into a treatment facility in 43 Area. The waste stabilization pond, which contains water only briefly following heavy rainfall, has been used for stockpiling soils contaminated with petroleum hydrocarbons, primarily fuel and oil. The area immediately northeast of the waste stabilization pond has been used for disposal of wastes from mess hall grease traps. No base water production wells are located within 1 mile of Site 9. Upon sampling, 18 organic contaminants, resulting in concentrations under the preliminary remediation goal, were detected in soil samples. 24 metal contaminants were also detected. Of these contaminants, beryllium, cadmium, cooper, iron, lead, mercury, molybdenum, vanadium and zinc were the only chemicals having concentrations above their respective background values. 37 chemicals were detected in groundwater samples. Of these antimony, cadmium, chromium, 1,2-dichloroethane, mercury, nickel, tetrachloroethene and trichloroethene were reported to be in concentrations which exceeded either the Federal Maximum Contaminant Level (MCL) or the State MCL. 13 surface-water contaminants were detected and of those, copper was found to be above the maximum concentration level appropriate for both Federal and State Aquatic Life Standards. Results of the site characterization indicated adequate habitat

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within Site 9 for terrestrial plants, terrestrial animals and soil invertebrates. The aquatic habitat in the area is minimal. Although some native plants are present, Site 9 contains few or no sensitive plant communities. Based on the analyses of toxicity to aquatic and terrestrial organisms, concentrations of chemicals in soil, sediment, and surface water do not pose ecological risk to terrestrial or aquatic organisms. Site 4 and 4A - Marine Corps Air Station (MCAS) Drainage Ditch and Concrete-Lined Impoundment The drainage ditch reportedly was used from the 1940s through the early 1980s for the disposal of liquid wastes generated by flight-line operations and also received contaminated runoff from spills and aircraft washing. Hazardous substances reportedly placed in the drainage ditch include jet fuels, aviation gasoline, kerosene, paints, paint strippers, toluene, methyl ethyl ketone, methyl isobutyl ketone, trichloroethene, trichloroethane, nitrocellulose lacquers and thinners, aliphatic thinners and isopropanol. An estimated 11,000 to 25,000 gallons reportedly was discharged in or adjacent to the ditch prior to 1982. Other liquid wastes of unknown quantities including oils, hydraulic fluids, battery electrolyte solutions, and aircraft washing wastewater, reportedly were also discharged into the ditch. No information is available on the quantities or specific types of wastes received by the Site 4A impoundment. Sites 4 and 4A were included in the RI of Group A sites conducted between February 1992 and April 1993. Upon sampling in Site 4, 12 organic contaminants and 24 metals were detected in the soil. Of the metals, only barium, manganese, mercury, potassium, silver, and thallium had concentrations which exceeded background values. Site 4 registered 30 contaminants in surface-water, with chloride exceeding the chronic Federal Aquatic Life Standards. Site 24-26 Area Morale, Welfare, and Recreation Maintenance (MWR) Facility The MWR maintenance facility provides maintenance services for approximately 200 buildings at MCB Camp Pendleton. Potential sources of contamination at this site are the welding shop, the paint shop, and a former hazardous waste storage area. Site 24 was not investigated during the Initial Assessment Study (IAS) or the site inspection (SI). During a 1990 inspection, Environmental and Natural Resources Management Office personnel collected surface soil samples in areas of visible soil contamination. Compounds detected in the samples included total petroleum hydrocarbons, various heavy metals, benzene, and a number of semivolatile compounds. The site was included in the Remedial Investigation (RI) of Group A sites. Site 24, upon soil sampling, registered concentrations of 27 organic contaminants and 24 metal contaminants. Of these metal contaminants, antimony, cadmium, and mercury reported concentrations exceeding their respective background levels. Site 24 groundwater concentrations which exceeded Federal and State MCLs included only chromium, out of 29 contaminants. Groundwater metals concentrations exceeding Maximum Containment Levels may be due to the influence of shallow granitic bedrock beneath the site or other sources. These metals are not considered site-related given the operational history of site 24. Reports, proposed plans for remediation, and fact sheets were made available to the public. Both public comment periods and meetings were held. Marine Corps Base (MCB) Camp Pendleton is the primary Marine Corps amphibious training center on the west coast. Located between the cities of Los Angeles and San Diego, California, MCB Camp Pendleton covers approximately 125,000 acres, almost entirely in San Diego County. Camp Talega, in the 64 Area near the northwestern border of the base, extends into Orange County. Surrounding communities include San Clemente to the northwest, Fallbrook to the east, and Oceanside to the south. The base is bordered to the west by the Pacific Ocean and encompasses 17 miles of coastal area. Construction of MCB Camp Pendleton began in March 1942, and President Franklin D. Roosevelt dedicated the Base in September 1942. It was designated as a permanent Base in October 1944. It supports more than 36,000 military personnel and employs

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approximately 4,600 civilians. Land use within the perimeter of the Base consists of airfield operations, maneuver and impact areas, troop and family housing, recreation areas, and out-leased areas used by various entities (e.g., San Onofre Nuclear Generating Station, and agriculture). Most of the land within MCB Camp Pendleton is open and undeveloped and directly supports the training mission of the Base. Developed areas of the Base are isolated from one another by large areas of essentially undeveloped land used for training and maneuvers. The largest concentration of development is at the Headquarters Area in the southeast corner of the Base. The second largest concentration is the housing areas in the southwest corner of the Base, near the Oceanside Gate. Additional information on land use in specific areas of the Base and expected future land use at MCB Camp Pendleton and in surrounding communities is presented in the MCB Camp Pendleton Master Plan. The primary mission of MCB Camp Pendleton is military training, and has been since the Base was constructed in 1942. Environmental contamination is associated with the primary and support mission functions of the Base. The Base was placed on the National Priority List (NPL) in 1989. The Federal Facilities Agreement (FFA) between the USEPA, the State of California, and the U.S. Department of the Navy (DON) was signed in 1990. The FFA establishes a framework for implementing appropriate environmental investigation and remediation activities at the Base. The purpose of the Installation Restoration (IR) program is to identify, investigate, assess, and clean or control releases of hazardous substances as well as to cost effectively reduce the risk to human health and the environment from past waste disposal operations and hazardous material spills at Navy/Marine Corps stations. The IR program is administered in accordance with CERCLA, as amended by the Superfund Amendments and Reauthorization Act (SARA). Investigations and cleanup actions for the Base are described in detail in the Administrative Record. Site 9, Stuart Mesa Waste Stabilization Pond, is located within a designated maneuver area in the Las Flores 41 Area in the southwestern part of MCB Camp Pendleton. The site is southwest of Stuart Mesa Road and consists of an approximately 500- by 400- foot, engineered earthen impoundment and adjacent areas, including a fenced grease disposal pit to the east of the waste stabilization pond. The 41 Area Stuart Mesa waste stabilization pond is located between two forks of a natural drainage arroyo on a relatively low-lying wave-cut terrace. An ephemeral stream trends north and east of the stabilization pond and drains southwestward toward the Pacific Ocean. Site 9 is underlain by marine terrace deposits and is located outside the largest groundwater basin on the base. The Santa Margarita basin provides the major source of drinking water consumed by MCB Camp Pendleton. The site is located within 1/4 to 1/2 mile of Interstate 5. Site 4, Marine Corps Air Station (MCAS) Drainage Ditch and Concrete-Lined Impoundment, is identified as the MCAS drainage ditch. The air station is located in the 23 Area of the base. In May 1990, Site 4 was expanded to include the concrete-lined surface impoundment. This impoundment is designated as Site 4A and is located between the MCAS drainage ditch and the MCAS, southwest of Building 2378. The MCAS drainage ditch is located along Vandegrift Boulevard in the Chappo subbasin of the Santa Margarita basin. The ditch is approximately 5 feet deep, 20 feet wide, and is located between the MCAS flight-line operations and the former Atchison, Topeka, and Santa Fe (AT&SF) railway tracks. Site 24, Morale, Welfare, and Recreation Maintenance (MWR) Facility, is located within the floodplain of the Santa Margarita River. The MWR maintenance facility is situated on a flat area surrounded by low hills on three sides. The 26 Area is used primarily for warehouse and maintenance facilities. Installation Restoration Program (IRP) sites at MCB Camp Pendleton were assigned to one of four groups (A, B, C and D) during the investigation phase according to potential impact to human health and the environment. Group A sites were believed to have the highest potential for

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such impact, Group D sites have the lowest. OU 3: Operable Unit 3 (OU) includes the following sites from Groups B, C and D: Group B; site 7 Soil and groundwater, Group C; sites 1D, 1E, 2A, 10, and 35 soil and groundwater; sites 16 and 27 soil; and site 17 sediment and surface water, Group D; sites 1A, 1B, 1C, 1F, 1I, 2C, 2D, 2F, 2G, 18, 32, 34, 36, 37, 38, 39, 40, 41, and 42 soil and groundwater. The base is divided into 35 major area designations for location of base activities. The OU 3 sites are located in various areas throughout the base. The OU 3 site names are as follows: Site 1A-Refuse Burning Ground in 14 Area, Site 1B- Refuse Burning Ground in 11 Area, Site 1C-Refuse Burning Ground in 14 Area, Site 1C- Refuse Burning Ground in 13 Area, Site 1D- Refuse Burning Ground in 20 Area, Site 1E- Refuse Burning Ground in 32 Area, Site 1F- Refuse Burning Ground in 43 Area, Site 1I- Refuse Burning Ground in 63 Area, Site 2A- Grease Disposal Pit in 14 Area, Site 2C- Grease Disposal Pit in 33 Area, Site 2D-Grease Disposal Pit in 43 Area, Site 2F- Grease Disposal Pit in 62 Area, Site 2G- Grease Disposal Pit in 31 Area, Site 7-Box Canyon Landfill, Site 10- 26 Area Sewage Sludge Composting Yard, Site 16- 22 Area Buildings 2215 and 22187 Ditch Confluence and Ditch, Site 18- 13/16 Area Building 1687 Spill and Ditch, Site 27- 22 Area Ditches Behind Building 22210, Site 32- Drum Storage Area and Drainage Between Buildings 41303 and 41366, Site 34- Combat Engineers Maintenance Facility, Buildings 62580-625832; Site 35- Former Sewage Treatment Plant Facility in 25 Area; Site 36- Debris Pile Area Behind Ponds at Sewage Treatment Plant II; Site 37- Pesticide and POL Handling Areas at San Clemente Ranch, Site 38-52 Area Sewer Line Building 52188; Site 39- 41 Area Sewer Line, Buildings 41300 and 41346; Site 40- 13 Area Sewer Line, Building 13103; Site 41- 13 Area Sewer Line, Building 13128; Site 42-13 Area Sewer Line, Building 13129. A Record of Decision (ROD) for OU 1 was signed in December 1995 and addresses the selected remedies for soil and groundwater at Site 9, soil at Site 4/4A, and soil and groundwater at Site 24, all of which are Group A Sites. The ROD for OU 2 was signed in September 1997 and includes 13 Group A, Group B and Group C sites. These sites include Sites 2B and 31 soil; Sites 28 and 43 groundwater; Site 3 soil, sediment, and surface water; Site 5 soil and groundwater; Sites 19, 20 and 22 soil, sediment, groundwater and surface water; Sites 8A and 44 sediment and surface water. A ROD addressing OU 3 was signed in February 1999. OU 1: From 1963 until approximately 1975, the Stuart Mesa Waste Stabilization Pond served as an oxidation and percolation sewage lagoon for sewage generated in the 41 Area. Operations at the waste stabilization pond ceased in 1975 and the raw sewage was pumped from Building 41300 to a treatment facility in the 43 Area. The Department of Navy (DON) first identified Installation Restoration (IR) Site 9 during the Site Inspection (SI) performed in 1987 and 1988. During the SI, the DON discovered that waste oils or other liquids might have been disposed at the site. Following site identification, the DON classified IR Site 9 among the Group A Sites, those IR sites considered to have the greatest potential to impact human health and/or the environment. The DON conducted a Remedial Investigation (RI) of the Group A Sites between February 1992 and April 1993. The RI indicated remedial action was required due to the nature of the contaminants discovered at the site. The Feasibility Study (FS) for Site 9, completed in 1994, addressed potential remedial actions for petroleum hydrocarbons and beryllium in soil and trichloroethene (TCE) and tetrachloroethene (PCE) in groundwater. A Record of Decision (ROD) addressing Operable Unit (OU) 1 was completed in December of 1995. The ROD documented alternatives and the selection of remedial actions for IR Site 9 soil and groundwater. The remedies selected included no action for hydrocarbons and beryllium in soil and monitored natural attenuation, long-term monitoring, and land use controls for PCE and TCE in groundwater. Specifically, the ROD included the following major component: -Sampling and analysis of IR Site 9 monitoring wells semiannually for ten years to verify that dispersion and

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natural attenuation are occurring -Evaluation of the remedial alternative's effectiveness once every five years. -Compliance demonstration monitoring consisting of eight sampling events, evenly spaced throughout a one-year period, conducted during the eighth year of groundwater monitoring (2004) to assess the effectiveness of the dispersion and natural attenuation of PCE and TCE in groundwater. -Amendment of the Base Master Plan to restrict future access to the groundwater in the immediate vicinity of IR Site 9 for the duration of the long-term monitoring or until the contaminants in groundwater no longer exceed MCLs. An Explanation of Significant Difference (ESD) pertaining to the OU1 ROD was completed in September of 2004. OU 4: This decision document addresses the following sites at OU 4, MCB Camp Pendleton: -Site 1D - Refuse Burning Ground (20 Area) -Site 1E-1 - Former Burn Pits (32 Area) -Site 30 - Small Arms Firing Range Soil (31 Area) Site 1D is located north of the intersection of Vandergrift Boulevard and Stuart Mesa Road. Box Canyon Landfill is 1,500 feet northeast of the site. The Twin Lakes Sewage Disposal Plant is southwest of the site across Stuart Mesa Road. The Santa Margarita River is approximately 150 feet north of the site. The Site 1D burning area is no longer in operation, and military and civilian personnel cross the site infrequently because the vegetation is relatively dense. The regional groundwater flow direction in the valley-fill aquifer is to the west. Groundwater at Site 1D ranges from 6 to 10 feet below ground surface (bgs) and flows northwest towards the Santa Margarita River. No public drinking water wells are located downgradient of the site. The site is located in a floodplain, and therefore, the Base has no plans for future development. Site 1D is one of nine refuse burning grounds used from 1942 through the early 1970s to burn refuse generated by Base operations. Until 1970, all refuse at the Base was disposed of by burning; however, no information is available on the specific years of operation or the amount of refuse disposed of at each burning ground. The Base refuse burning areas were closed between the late 1960s and 1971. Site 1D was closed, covered with native soil, and allowed to revert to natural vegetation. Visual inspection in 1984 revealed no evidence of environmental Contamination. However, the cover material has since eroded, and contaminants have been exposed. Areas of stressed vegetation and stained soil have also been observed. The selected remedy for Site 1D in the OU 3 ROD was excavation and removal of contaminated soils with on-Base disposal to Site 7, Corrective Action Management Unit (CAMU). After the closure of the on-Base CAMU in April 2000, a decision was made to supplement the prior characterization of the site to refine the cost estimates and reevaluate the remedial options. As documented in the letter from the USEPA to Southwest Division Naval Facilities Engineering Command (SWDIV) dated September 28, 2000, and in accordance with the agreement reached at the 5 October 2000 FFA Project Management meeting, Site 1D was placed in OU 4 to facilitate an expedited schedule. There are no enforcement activities related to Site 1D. Environmental investigation and remediation activities associated with the site are implemented under the IR Program. The purpose of this program is to identify, investigate, assess, characterize, and clean or control releases of hazardous substances as well as to cost-effectively reduce the risk to human health and the environment from past waste disposal operations and hazardous material spills at Navy/Marine Corps stations. The program is administered in accordance with Comprehensive Environmental, Response, Compensation, and Liability Act (CERCLA), as amended by SARA. Site 1E-1 is a former refuse burning area located in 32 Area along MACS Road, approximately 3,000 feet from the Santa Margarita River. The burning area is no longer in operation. The northeast portion of the site contains an unpaved access road and is sparsely vegetated. The surrounding areas are undeveloped. The Santa Margarita River is approximately 3,200 feet southeast of the site. Based on the elevation of the site and known groundwater in the area,

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groundwater beneath the site is estimated at 100 feet bgs. No public drinking water wells are located downgradient of the site. Given the immediate proximity to MACS Road and the presence of endangered species (i.e., Pacific pocket mouse), it is unlikely that the site would be developed in the future. Site 1E-1 is one of nine refuse burning grounds used from 1942 through the early 1970s to burn refuse generated by Base operations. Until 1970, all refuse at the Base was disposed of by burning; however, no information is available on the specific years of operation or the amount of refuse disposed of at each burning ground. The Base refuse burning areas were closed between the late 1960s and 1971. Waste material from Site 1E-1 burn pits was disposed of in Site 1E by physically removing the material from the pits. The burn pits at Site 1E-1 were closed, covered with native soil, and allowed to revert to natural vegetation. At some point after the burn pits were closed, the area was graded for the realignment of MACS Road, which now crosses over a portion of the former burn pits. There are no enforcement activities related to Site 1E-1. Environmental investigation and remediation activities associated with the site are implemented under the IR Program. The purpose of this program is to identify, investigate, assess, characterize, and clean or control releases of hazardous substances as well as to cost-effectively reduce the risk to human health and the environment from past waste-disposal operations and hazardous material spills at Navy/Marine Corps stations. The program is administered in accordance with CERCLA, as amended by SARA. Site 30 is located in the 31 Area, approximately 1,300 feet west of Stuart Mesa Road and MACS Road. The Santa Margarita River is directly south of the site. No public drinking water wells are downgradient of the site. There are no military operations at Site 30, and military and civilian personnel rarely cross the site because the vegetation is relatively dense. The road through the site is active and construction activities occasionally occur along the road (i.e. water line replacement). Since fill material was deposited at the site in the 1960s and 1970s, the site has remained undeveloped and been allowed to return to a natural state. Given that at least a portion of the site is in the floodplain of the Santa Margarita River, and that threatened and endangered species are present, it is unlikely that the site will be developed for future use. Site 30 consists of soil fill material near an unpaved road west of Stuart Mesa Road. The soil contains bullets and bullet fragments from a 31 Area small arms firing range. The soil fill material was transported from firing ranges during the mid- to late-60s and possibly into the 70s. Site 30 is reported to be on and near prehistoric sites and historic archeological sites. The Monitoring and Discovery Plan reports that Site 30 is situated directly atop one prehistoric site, which is recorded as a low-density shell midden with over 100 pieces of shell. This prehistoric site also contains stone flakes, which are artifacts from the making of stone tools. The southern portion of a second archeological site is located near the eastern edge of Site 30. This second site contains both historic (ceramic fragments and ration tins) and prehistoric (one core fragment, one mano, one unidentified ground stone fragment, 15 pieces of lithic debitage, several fragments of bone, and over 300 pieces of marine shell) artifacts. A third archeological site is located approximately 360 feet north and upslope of Site 30 (outside of the planned remediation area) and is composed of one core fragment, four stone flakes, and more than 50 pieces of marine shell. There are no enforcement activities related to Site 30. Environmental investigation and remediation activities associated with the site are implemented under the IR Program. The purpose of this program is to identify, investigate, assess, characterize, and clean or control releases of hazardous substances as well as to cost-effectively reduce the risk to human health and the environment from past waste-disposal operations and hazardous material spills at Navy/Marine Corps stations. The program is administered in accordance with CERCLA as amended by SARA. A ROD

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was completed in June 2007 that addressed the soil at OU4. Operable Unit 5: Operable Unit (OU) 5 is comprised of Sites 1A-1, 1H, and 6A. Each site is described below. Site 1A-1: Site 1A-1 is a debris disposal area of approximately 1.5 acres in the 14 Area of the Base. Site 1A-1 is approximately 800 feet north-northeast of Site 1A, which is immediately northeast of Base Sewage Treatment Plant No. 1. Site 1A-1 is actively used as a military training area. Site 1A-1 contains buried waste and ash up to 10 feet thick that originally came from Site 1A. Site 1A was one of nine refuse burning grounds used from 1942 through the early 1970s to burn refuse generated by Base operations. The burned refuse buried at Site 1A-1 appears to be covered by a discontinuous thin layer of relatively clean soils, but some burned debris, ash, and refuse is exposed at the surface. It is not known if all the burn ash and debris at Site 1A-1 was moved at one time or placed in various stages over time. There are no known records regarding the placement of waste at Site 1A-1, and no burning was conducted at the site. Former waste disposal activities have resulted in approximately 20,000 cubic yards of soil contaminated with waste material and ash containing metals, dioxins and/or furans, and pesticides. Site 1A-1 is currently used as an active military training area. The site is no longer a waste disposal area, and the surrounding land is covered with natural vegetation, except Pilgrim Creek Trail along the eastern edge. The surrounding areas are also undeveloped and are designated as military training areas. The nearest troop housing is approximately 0.5 mile southwest. The nearest family housing, De Luz Housing, is approximately 0.75 mile northwest. Sewage Treatment Plant No. 1 is located approximately 2,500 feet southwest. The site is in the San Luis Rey groundwater basin, which is the source of drinking water for the City of Oceanside. The nearest production wells are over four miles south of the site in the San Luis Rey River valley. There is no groundwater at Site 1A-1. There is a small amount of groundwater present in the sediments in the downgradient Pilgrim Creek streambed. However, the quantity of water would not be sufficient for municipal use. MCB Camp Pendleton is expected to remain an active military installation into the future. Current land use is reasonably anticipated to continue indefinitely to support the mission of the facility. However, the Navy has assumed an unrestricted land use scenario in this record of decision (ROD) in an effort to avoid any form of future land use restrictions. Site 1H: Site 1H is a former burning ground and disposal area of approximately 0.9 acre in the 62 Area, near the western perimeter of the Base. The site is approximately 1,200 feet north of San Mateo Road. The site is actively used as a military training area. Site 1H was one of nine refuse burning grounds used from 1942 through the early 1970s to burn refuse generated by Base operations. In accordance with common Base practice at the time, burning grounds served as the principal trash disposal areas on the Base prior to the 1970s. Until 1970, all refuse at the Base was disposed of by burning; however, no information is available on the specific years of operation or the amount of refuse disposed of at each burning ground, including Site 1H. Site 1H and the surrounding area are covered with natural vegetation, undeveloped, and designated as military training areas. Groundwater at Site 1H is approximately 200 to 225 feet below ground surface. The nearest Base production wells are approximately 1 mile west-southwest of Site 1H, and results of fate and transport modeling concluded that there is no threat to groundwater. Marine Corps Base Camp Pendleton is expected to remain an active military installation into the future. Current land use is reasonably anticipated to continue indefinitely to support the mission of the facility. Site 6A: Site 6A is a former scrap metal and recycling storage area in the 22 Area of the Base. Site 6A is approximately 7.2 acres in size and is located south of Building 2241, which houses the Defense Reutilization and Marketing Office. The Defense Reutilization and Marketing Office temporarily stored scrap metal at the site. The storage area had been

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

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covered with a thin layer of soil by periodic flooding, and scraps of metal were reportedly pounded into the ground between 1994 and 1995, causing an uneven ground surface. The site was repaved with approximately three inches of asphalt. Previous investigations indicate the presence of scrap metal at a depth of approximately 8 inches below ground surface. Site 6A is paved and used for industrial purposes. Marine Corps Base Camp Pendleton is expected to remain an active military installation into the future. Current land use is reasonably anticipated to continue indefinitely to support the mission of the facility. However, the Navy has assumed an unrestricted land use scenario in this ROD in an effort to avoid any form of future land use restrictions. Groundwater production wells are located north and west of Site 6A, within the Santa Margarita River valley. The nearest downgradient production well is 3,000 feet southwest of the site. Site 6A groundwater has been impacted by Volatile Organic Compounds from upgradient sources and is being investigated and addressed separately as part of the 22/23 Area. There are no enforcement activities at Sites 1A-1, 1H, and 6A. A ROD addressing OU5 was completed in February 2008.

CERCLIS Assessment History:

Action Code: 001
 Action: DISCOVERY
 Date Started: Not reported
 Date Completed: 01/01/1980
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: PRELIMINARY ASSESSMENT
 Date Started: Not reported
 Date Completed: 05/01/1984
 Priority Level: Low priority for further assessment
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: SITE INSPECTION
 Date Started: Not reported
 Date Completed: 06/01/1987
 Priority Level: Low priority for further assessment
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

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USMC CAMP PENDLETON (Continued)

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For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: HAZARD RANKING SYSTEM PACKAGE
 Date Started: Not reported
 Date Completed: 06/01/1987
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: EPA Fund-Financed
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: PROPOSAL TO NATIONAL PRIORITIES LIST
 Date Started: Not reported
 Date Completed: 07/14/1989
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: EPA Fund-Financed
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
 Date Started: Not reported
 Date Completed: 11/21/1989
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: EPA Fund-Financed
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: Notice Letters Issued
 Date Started: Not reported
 Date Completed: 05/21/1990
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: EPA Fund-Financed
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

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Action Code: 001
 Action: INTERAGENCY AGREEMENT NEGOTIATIONS
 Date Started: 05/18/1990
 Date Completed: 09/28/1990
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Enforcement
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: FEDERAL INTERAGENCY AGREEMENT
 Date Started: 09/28/1990
 Date Completed: 09/28/1990
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Enforcement
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: RECORD OF DECISION
 Date Started: Not reported
 Date Completed: 12/07/1995
 Priority Level: Not reported
 Operable Unit: OVERALL SITE
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 Date Started: 09/28/1990
 Date Completed: 12/07/1995
 Priority Level: Not reported
 Operable Unit: OVERALL SITE
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: FEDERAL FACILITY REMOVAL
 Date Started: 08/15/1994
 Date Completed: 12/22/1995

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

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Priority Level: Cleaned up
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: Restoration Advisory Board
 Date Started: 09/05/1996
 Date Completed: Not reported
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: Not reported
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
 Action: FEDERAL FACILITY REMOVAL
 Date Started: 08/01/1996
 Date Completed: 09/04/1997
 Priority Level: Partially Cleaned up
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Non-Time Critical
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
 Action: FEDERAL FACILITY REMOVAL
 Date Started: 04/22/1996
 Date Completed: 09/12/1997
 Priority Level: Partially Cleaned up
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Non-Time Critical
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
 Action: RECORD OF DECISION
 Date Started: Not reported
 Date Completed: 09/30/1997
 Priority Level: Not reported
 Operable Unit: NO ACTION SITES
 Primary Responsibility: Federal Facilities

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

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Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
 Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 Date Started: 09/28/1990
 Date Completed: 09/30/1997
 Priority Level: Not reported
 Operable Unit: NO ACTION SITES
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
 Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 Date Started: 09/28/1990
 Date Completed: 02/11/1999
 Priority Level: Not reported
 Operable Unit: LANDFILL
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
 Action: RECORD OF DECISION
 Date Started: Not reported
 Date Completed: 02/11/1999
 Priority Level: Not reported
 Operable Unit: LANDFILL
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
 Action: FEDERAL FACILITY REMEDIAL DESIGN
 Date Started: 01/17/1999
 Date Completed: 06/17/1999
 Priority Level: Not reported
 Operable Unit: LANDFILL
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

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For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
 Action: FEDERAL FACILITY REMEDIAL ACTION
 Date Started: 06/23/1999
 Date Completed: Not reported
 Priority Level: Not reported
 Operable Unit: LANDFILL
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Long Term Action
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
 Action: FEDERAL FACILITY FIVE YEAR REVIEW
 Date Started: 06/25/2001
 Date Completed: 08/19/2002
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
 Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 Date Started: 09/06/2001
 Date Completed: 02/27/2004
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: FEDERAL FACILITY FEASIBILITY STUDY
 Date Started: 09/06/2001
 Date Completed: 02/27/2004
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
 Action: Explanation Of Significant Differences

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

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Date Started: Not reported
 Date Completed: 09/22/2004
 Priority Level: Not reported
 Operable Unit: OVERALL SITE
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
 Action: RECORD OF DECISION
 Date Started: Not reported
 Date Completed: 06/15/2007
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
 Action: FEDERAL FACILITY FIVE YEAR REVIEW
 Date Started: Not reported
 Date Completed: 09/27/2007
 Priority Level: Not reported
 Operable Unit: OVERALL SITE
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
 Action: FEDERAL FACILITY REMOVAL
 Date Started: 09/06/2001
 Date Completed: 10/29/2007
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007
 Action: FEDERAL FACILITY REMEDIAL ACTION
 Date Started: 10/29/2007
 Date Completed: Not reported
 Priority Level: Not reported
 Operable Unit: SOILS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

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Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
 Action: FEDERAL FACILITY REMEDIAL DESIGN
 Date Started: 06/15/2007
 Date Completed: 10/29/2007
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Primary
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
 Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 Date Started: 02/03/2003
 Date Completed: 02/21/2008
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
 Action: RECORD OF DECISION
 Date Started: Not reported
 Date Completed: 02/21/2008
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
 Action: FEDERAL FACILITY REMEDIAL DESIGN
 Date Started: 02/21/2008
 Date Completed: 02/21/2008
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

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Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
 Action: Explanation Of Significant Differences
 Date Started: Not reported
 Date Completed: 05/27/2008
 Priority Level: Not reported
 Operable Unit: LANDFILL
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
 Action: FEDERAL FACILITY FIVE YEAR REVIEW
 Date Started: Not reported
 Date Completed: 08/28/2009
 Priority Level: Not reported
 Operable Unit: SITEWIDE
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
 Action: FEDERAL FACILITY REMOVAL
 Date Started: 04/06/2006
 Date Completed: 09/28/2009
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
 Action: FEDERAL FACILITY REMEDIAL ACTION
 Date Started: 02/21/2008
 Date Completed: 09/29/2009
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

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Action Code: 003
 Action: Explanation Of Significant Differences
 Date Started: Not reported
 Date Completed: 07/09/2010
 Priority Level: Not reported
 Operable Unit: LANDFILL
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 008
 Action: FEDERAL FACILITY REMEDIAL ACTION
 Date Started: 02/21/2008
 Date Completed: 09/02/2010
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 009
 Action: FEDERAL FACILITY REMEDIAL ACTION
 Date Started: 08/01/1999
 Date Completed: 09/07/2010
 Priority Level: Not reported
 Operable Unit: LANDFILL
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
 Action: FEDERAL FACILITY REMEDIAL ACTION
 Date Started: 10/29/2007
 Date Completed: 09/07/2010
 Priority Level: Not reported
 Operable Unit: SOILS
 Primary Responsibility: Federal Facilities
 Planning Status: Not reported
 Urgency Indicator: Not reported
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:
 Fed Register Date: 11/21/1989
 Fed Register Volume: 54
 Page Number: 48184

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

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Fed Register Date: 07/14/1989
 Fed Register Volume: 54
 Page Number: 29820

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 92 additional US CERCLIS Financial: record(s) in the EDR Site Report.

CORRACTS:

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 03/09/2001
 Action: CA750NO - Migration of Contaminated Groundwater under Control,
 Unacceptable migration of contaminated groundwater is observed or
 expected
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 03/09/2001
 Action: CA725NO - Current Human Exposures Under Control, Current human
 exposures are NOT under control
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 04/05/2004
 Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
 Migration of Contaminated Groundwater Under Control has been verified
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 04/05/2004
 Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human
 Exposures Under Control has been verified
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

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EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 05/01/1984
 Action: CA049PA
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 05/01/1984
 Action: CA029SF
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 06/01/1987
 Action: CA049SI
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 06/03/1998
 Action: CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 06/03/1998
 Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 06/03/1998
 Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

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NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 07/25/1994
 Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority

NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 07/25/1994
 Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA

NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: OU 1 (GROUP A)
 Actual Date: 09/23/1996
 Action: CA150 - RFI Workplan Approved

NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: OU 1 (GROUP A)
 Actual Date: 09/23/1996
 Action: CA200 - RFI Approved

NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 10/24/1990
 Action: CA100 - RFI Imposition

NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

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EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 10/24/1990
 Action: CA250 - CMS Imposition
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

EPA ID: CA2170023533
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 11/02/1992
 Action: CA050RF - RFA Completed, Assessment was an RFA
 NAICS Code(s): 56199
 All Other Support Services
 Original schedule date: Not reported
 Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 03/01/2010
 Facility name: MCB CAMP PENDLETON
 Facility address: BLDG 22165
 CAMP PENDLETON
 CAMP PENDLETON, CA 92055

EPA ID: CA2170023533
 Mailing address: AC/S ENVIR SECURITY
 P.O. BOX 555008
 MCB CAMP PENDLETON, CA 92055

Contact: MARGUERITE Y WILLIAMS
 Contact address: BLDG 22165 CAMP PENDLETON
 CAMP PENDLETON, CA 92055

Contact country: Not reported
 Contact telephone: (760) 725-4375
 Contact email: MARGURITE.WILLIAMS@USMC.MIL
 EPA Region: 09
 Land type: Federal
 Classification: TSDF
 Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Large Quantity Generator
 Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Owner/operator name: NATURAL RESOURCES
 Owner/operator address: OFFICE BLDG 2276
 MCB CAMP PENDLETON, CA 92055
 Owner/operator country: Not reported
 Owner/operator telephone: (714) 725-4820
 Legal status: Federal
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: GOVERNMENT
 Owner/operator address: BLDG 22165 CAMP PENDLETON
 CAMP PENDLETON, CA 92055
 Owner/operator country: Not reported
 Owner/operator telephone: Not reported
 Legal status: Federal
 Owner/Operator Type: Owner
 Owner/Op start date: 06/27/1985
 Owner/Op end date: Not reported

Owner/operator name: MCB CAMP PENDLETON
 Owner/operator address: Not reported
 92055
 Owner/operator country: Not reported
 Owner/operator telephone: Not reported
 Legal status: Federal
 Owner/Operator Type: Operator
 Owner/Op start date: 06/27/1985
 Owner/Op end date: Not reported

Owner/operator name: NATURAL RESOURCES
 Owner/operator address: OFFICE BLDG 2276
 MCB CAMP PENDLETON, CA 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (619) 725-4512
 Legal status: Federal
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Universal Waste Summary:

Waste type: Batteries
 Accumulated waste on-site: Yes
 Generated waste on-site: No

Waste type: Lamps
 Accumulated waste on-site: Yes
 Generated waste on-site: No

Waste type: Pesticides
 Accumulated waste on-site: Yes
 Generated waste on-site: No

Waste type: Thermostats
 Accumulated waste on-site: Yes
 Generated waste on-site: No

Historical Generators:

Date form received by agency: 02/25/2008
 Facility name: MCB CAMP PENDLETON
 Site name: USMC CAMP PENDLETON
 Classification: Large Quantity Generator

Date form received by agency: 02/27/2006
 Facility name: MCB CAMP PENDLETON
 Site name: USMC CAMP PENDLETON
 Classification: Large Quantity Generator

Date form received by agency: 02/11/2004
 Facility name: MCB CAMP PENDLETON
 Site name: USMC CAMP PENDLETON
 Classification: Large Quantity Generator

Date form received by agency: 02/27/2002
 Facility name: MCB CAMP PENDLETON
 Site name: USMC CAMP PENDLETON
 Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
 Facility name: MCB CAMP PENDLETON
 Site name: USMC CAMP PENDLETON
 Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
 Facility name: MCB CAMP PENDLETON
 Site name: MARINE CORPS BASE CAMP PENDLETON
 Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
 Facility name: MCB CAMP PENDLETON
 Site name: USMC CAMP PENDLETON
 Classification: Large Quantity Generator

Date form received by agency: 02/29/1996
 Facility name: MCB CAMP PENDLETON
 Site name: USMC, CAMP PENDLETON

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Classification: Large Quantity Generator

Date form received by agency: 02/29/1992
 Facility name: MCB CAMP PENDLETON
 Site name: MARINE CORPS BASE
 Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
 Facility name: MCB CAMP PENDLETON
 Site name: USMC CAMP PENDLETON
 Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
 Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004
 Waste name: ARSENIC

Waste code: D005
 Waste name: BARIUM

Waste code: D006
 Waste name: CADMIUM

Waste code: D007
 Waste name: CHROMIUM

Waste code: D008
 Waste name: LEAD

Waste code: D009
 Waste name: MERCURY

Waste code: D011

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Waste name: SILVER

Waste code: D018
 Waste name: BENZENE

Waste code: D035
 Waste name: METHYL ETHYL KETONE

Waste code: F003
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: U188
 Waste name: PHENOL

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 102931

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 435059

Waste code: D003
 Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 23475

Waste code: D004
 Waste name: ARSENIC

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Amount (Lbs): 2194

Waste code: D005
 Waste name: BARIUM
 Amount (Lbs): 310

Waste code: D006
 Waste name: CADMIUM
 Amount (Lbs): 2201

Waste code: D007
 Waste name: CHROMIUM
 Amount (Lbs): 11705

Waste code: D008
 Waste name: LEAD
 Amount (Lbs): 441632

Waste code: D009
 Waste name: MERCURY
 Amount (Lbs): 2563

Waste code: D011
 Waste name: SILVER
 Amount (Lbs): 770

Waste code: D018
 Waste name: BENZENE
 Amount (Lbs): 8234

Waste code: D035
 Waste name: METHYL ETHYL KETONE
 Amount (Lbs): 250

Waste code: F003
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 315

Waste code: U188
 Waste name: PHENOL
 Amount (Lbs): 6

Corrective Action Summary:

Event date: 05/01/1984
 Event: CA029SF

Event date: 05/01/1984

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Event:	CA049PA
Event date:	06/01/1987
Event:	CA049SI
Event date:	10/24/1990
Event:	RFI Imposition
Event date:	10/24/1990
Event:	CMS Imposition
Event date:	11/02/1992
Event:	RFA Completed, Assessment was an RFA.
Event date:	07/25/1994
Event:	CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event date:	07/25/1994
Event:	CA Prioritization, Facility or area was assigned a high corrective action priority.
Event date:	09/23/1996
Event:	RFI Approved
Event date:	09/23/1996
Event:	RFI Workplan Approved
Event date:	06/03/1998
Event:	Current Human Exposures under Control, Current human exposures are NOT under control.
Event date:	06/03/1998
Event:	Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.
Event date:	06/03/1998
Event:	CA Responsibility Referred To A Non-RCRA Federal Authority
Event date:	03/09/2001
Event:	Current Human Exposures under Control, Current human exposures are NOT under control.
Event date:	03/09/2001
Event:	Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.
Event date:	04/05/2004
Event:	Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.
Event date:	04/05/2004

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 03/09/2010
 Date achieved compliance: 03/09/2010
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 03/09/2010
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 01/13/2009
 Date achieved compliance: 03/17/2009
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 07/31/2007
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 01/13/2009
 Date achieved compliance: 03/17/2009
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/2007
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 11/04/2008

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Date achieved compliance: 11/24/2008
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 09/30/2008
 Date achieved compliance: 10/07/2008
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 09/30/2008
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 09/30/2008
 Date achieved compliance: 10/07/2008
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 01/15/2008
 Date achieved compliance: 04/14/2008
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 01/15/2008
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 11/27/2007
 Date achieved compliance: 01/29/2008

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/27/2007
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 11/05/2007
 Date achieved compliance: 11/05/2007
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/2007
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 11/05/2007
 Date achieved compliance: 01/29/2008
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/2007
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 07/31/2007
 Date achieved compliance: 09/05/2007
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 07/31/2007
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 07/10/2007
 Date achieved compliance: 09/06/2007
 Violation lead agency: State

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 07/10/2007
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: TSD - General Facility Standards
 Date violation determined: 01/22/2007
 Date achieved compliance: 02/05/2007
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 01/22/2007
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: TSD - Contingency Plan and Emergency Procedures
 Date violation determined: 01/22/2007
 Date achieved compliance: 02/05/2007
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 01/22/2007
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - Manifest
 Date violation determined: 02/22/2006
 Date achieved compliance: 03/23/2006
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 02/22/2006
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 02/22/2001
 Date achieved compliance: 03/02/2001
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement action date: 03/23/2001
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: F - 264.70-77.E
 Area of violation: TSD - General
 Date violation determined: 11/25/1998
 Date achieved compliance: 12/10/1998
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/25/1998
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.30-34.C
 Area of violation: Generators - General
 Date violation determined: 12/21/1995
 Date achieved compliance: 12/21/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 12/21/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268 ALL
 Area of violation: LDR - General
 Date violation determined: 12/21/1995
 Date achieved compliance: 12/21/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 12/21/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/28/1994
 Date achieved compliance: 03/21/1995
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.40-43.D
 Area of violation: Generators - General
 Date violation determined: 04/22/1994
 Date achieved compliance: 05/18/1994
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 04/22/1994
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.10-18.B
 Area of violation: TSD - General
 Date violation determined: 04/22/1994
 Date achieved compliance: 05/18/1994
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 04/22/1994
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/14/1994
 Date achieved compliance: 04/20/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/13/1994
 Date achieved compliance: 04/14/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/07/1994
 Date achieved compliance: 04/13/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/05/1994
 Date achieved compliance: 04/07/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/01/1994
 Date achieved compliance: 04/05/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/31/1994
 Date achieved compliance: 04/01/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/30/1994
 Date achieved compliance: 03/31/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/25/1994
 Date achieved compliance: 03/30/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/16/1994
 Date achieved compliance: 03/25/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/03/1994
 Date achieved compliance: 03/16/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/23/1994
 Date achieved compliance: 03/03/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/16/1994
 Date achieved compliance: 02/23/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/09/1994
 Date achieved compliance: 02/16/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/02/1994
 Date achieved compliance: 02/09/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 01/27/1994
 Date achieved compliance: 02/02/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 01/26/1994
 Date achieved compliance: 01/27/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 01/24/1994
 Date achieved compliance: 01/26/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 01/19/1994
 Date achieved compliance: 01/24/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 12/02/1993
 Date achieved compliance: 01/19/1994
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 10/20/1993
 Date achieved compliance: 12/02/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 10/13/1993
 Date achieved compliance: 10/20/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 10/06/1993
 Date achieved compliance: 10/13/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 09/22/1993
 Date achieved compliance: 10/06/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 08/11/1993
 Date achieved compliance: 09/22/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 07/21/1993
 Date achieved compliance: 08/11/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 07/14/1993
 Date achieved compliance: 07/21/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Area of violation: Generators - General
 Date violation determined: 07/07/1993
 Date achieved compliance: 07/14/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 06/10/1993
 Date achieved compliance: 07/07/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 05/26/1993
 Date achieved compliance: 06/10/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 05/19/1993
 Date achieved compliance: 05/26/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Date violation determined: 05/05/1993
 Date achieved compliance: 05/19/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/28/1993
 Date achieved compliance: 05/05/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/22/1993
 Date achieved compliance: 04/28/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/21/1993
 Date achieved compliance: 04/22/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/08/1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Date achieved compliance: 04/21/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/07/1993
 Date achieved compliance: 04/08/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/17/1993
 Date achieved compliance: 04/07/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/11/1993
 Date achieved compliance: 03/17/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/10/1993
 Date achieved compliance: 03/11/1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/08/1993
 Date achieved compliance: 03/10/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/04/1993
 Date achieved compliance: 03/08/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/03/1993
 Date achieved compliance: 03/04/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/01/1993
 Date achieved compliance: 03/03/1993
 Violation lead agency: State

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/24/1993
 Date achieved compliance: 03/01/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/19/1993
 Date achieved compliance: 02/24/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/17/1993
 Date achieved compliance: 02/19/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/10/1993
 Date achieved compliance: 02/17/1993
 Violation lead agency: State
 Enforcement action: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/01/1993
 Date achieved compliance: 02/10/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 01/13/1993
 Date achieved compliance: 02/01/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 01/06/1993
 Date achieved compliance: 01/13/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.30-37.C
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 268.7
 Area of violation: LDR - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 264.10-18.B
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 270
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 270
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.70-77.E
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 264.170-177.I
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.10-18.B
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 264.30-37.C
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.270-282.M
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 262.20-23.B
 Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.250-258.L
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 264.50-56.D
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 264.70-77.E
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.110-120.G
 Area of violation: TSD - Closure/Post-Closure
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 264.110-120.G
 Area of violation: TSD - Closure/Post-Closure
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.40-43.D
 Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 264.170-177.I
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.50-56.D
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Paid penalty amount: 0

Regulation violated: FR - 264.250-258.L
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.30-34.C
 Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.50-60
 Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.270-282.M
 Area of violation: TSD - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Regulation violated: FR - 268.7
 Area of violation: LDR - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.40-43.D
 Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 11/05/1992
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.30-34.C
 Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 262.50-60
 Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 262.20-23.B

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Area of violation: Generators - General
 Date violation determined: 11/05/1992
 Date achieved compliance: 03/17/1995
 Violation lead agency: State
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 03/17/1995
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 64000
 Paid penalty amount: 64000

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 10/21/1992
 Date achieved compliance: 01/06/1993
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 10/08/1992
 Date achieved compliance: 10/21/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 10/06/1992
 Date achieved compliance: 10/08/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Date violation determined: 09/02/1992
 Date achieved compliance: 09/21/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 08/26/1992
 Date achieved compliance: 09/02/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 08/12/1992
 Date achieved compliance: 08/26/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 08/10/1992
 Date achieved compliance: 08/12/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 08/05/1992

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Date achieved compliance: 08/10/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 07/15/1992
 Date achieved compliance: 07/29/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 07/01/1992
 Date achieved compliance: 07/15/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 06/24/1992
 Date achieved compliance: 07/01/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 06/18/1992
 Date achieved compliance: 06/24/1992

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 06/11/1992
 Date achieved compliance: 06/18/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 06/10/1992
 Date achieved compliance: 06/11/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 06/03/1992
 Date achieved compliance: 06/10/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 05/27/1992
 Date achieved compliance: 06/03/1992
 Violation lead agency: State

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 05/20/1992
 Date achieved compliance: 05/27/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 05/13/1992
 Date achieved compliance: 05/20/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 05/07/1992
 Date achieved compliance: 05/13/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 05/06/1992
 Date achieved compliance: 05/07/1992
 Violation lead agency: State
 Enforcement action: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/15/1992
 Date achieved compliance: 05/06/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/08/1992
 Date achieved compliance: 04/15/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 04/01/1992
 Date achieved compliance: 04/08/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/25/1992
 Date achieved compliance: 04/01/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/18/1992
 Date achieved compliance: 03/25/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/17/1992
 Date achieved compliance: 03/18/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/03/1992
 Date achieved compliance: 03/17/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 03/02/1992
 Date achieved compliance: 03/03/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/25/1992
 Date achieved compliance: 02/26/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 02/18/1992
 Date achieved compliance: 02/25/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 12/17/1991
 Date achieved compliance: 02/18/1992
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.70-77.E
 Area of violation: TSD - General
 Date violation determined: 11/12/1991
 Date achieved compliance: 08/14/1992
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.30-37.C
 Area of violation: TSD - General
 Date violation determined: 11/12/1991
 Date achieved compliance: 08/14/1992
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 11/12/1991
 Date achieved compliance: 08/14/1992
 Violation lead agency: EPA
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 12/10/1991
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268.7
 Area of violation: LDR - General
 Date violation determined: 11/12/1991
 Date achieved compliance: 08/14/1992
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 11/12/1991
 Date achieved compliance: 08/14/1992
 Violation lead agency: EPA
 Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement action date: 12/10/1991
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.30-34.C
 Area of violation: Generators - General
 Date violation determined: 11/12/1991
 Date achieved compliance: 08/14/1992
 Violation lead agency: EPA
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 12/10/1991
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.170-177.I
 Area of violation: TSD - General
 Date violation determined: 11/12/1991
 Date achieved compliance: 08/14/1992
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 10/08/1991
 Date achieved compliance: 12/17/1991
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 10/01/1991
 Date achieved compliance: 10/08/1991
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 09/19/1991
 Date achieved compliance: 10/01/1991
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 08/21/1991
 Date achieved compliance: 09/19/1991
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 12/12/1990
 Date achieved compliance: 07/24/1991
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 11/08/1990
 Date achieved compliance: 12/12/1990
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 11/06/1990
 Date achieved compliance: 11/08/1990
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 262.10-12.A
 Area of violation: Generators - General
 Date violation determined: 10/27/1990
 Date achieved compliance: 11/06/1990
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 270
 Area of violation: TSD - General
 Date violation determined: 07/17/1990
 Date achieved compliance: 08/15/1992
 Violation lead agency: EPA
 Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement action date: 05/22/1991
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268 ALL
 Area of violation: LDR - General
 Date violation determined: 07/17/1990
 Date achieved compliance: 08/15/1992
 Violation lead agency: EPA
 Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement action date: 05/22/1991
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Regulation violated: FR - 264.70-77.E
 Area of violation: TSD - General
 Date violation determined: 07/17/1990
 Date achieved compliance: 08/15/1992
 Violation lead agency: EPA
 Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement action date: 05/22/1991
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268.7
 Area of violation: LDR - General
 Date violation determined: 07/17/1990
 Date achieved compliance: 08/15/1992
 Violation lead agency: EPA
 Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement action date: 05/22/1991
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 270
 Area of violation: TSD - General
 Date violation determined: 06/28/1989
 Date achieved compliance: 11/30/1989
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268 ALL
 Area of violation: LDR - General
 Date violation determined: 06/28/1989
 Date achieved compliance: 11/30/1989
 Violation lead agency: EPA
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 10/16/1989
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 270

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Area of violation: TSD - General
 Date violation determined: 06/28/1989
 Date achieved compliance: 11/30/1989
 Violation lead agency: EPA
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 10/16/1989
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268 ALL
 Area of violation: LDR - General
 Date violation determined: 06/28/1989
 Date achieved compliance: 11/30/1989
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268.7
 Area of violation: LDR - General
 Date violation determined: 06/28/1989
 Date achieved compliance: 11/30/1989
 Violation lead agency: EPA
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 10/16/1989
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268.7
 Area of violation: LDR - General
 Date violation determined: 06/28/1989
 Date achieved compliance: 11/30/1989
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: F - 264.70-77.E
 Area of violation: TSD - General

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

USMC CAMP PENDLETON (Continued)

1000344642

Date violation determined: 04/06/1988
 Date achieved compliance: 04/06/1988
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 03/31/1998
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 270
 Area of violation: TSD - General
 Date violation determined: 01/12/1988
 Date achieved compliance: 06/28/1989
 Violation lead agency: EPA
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 09/26/1988
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.110-120.G
 Area of violation: TSD - Closure/Post-Closure
 Date violation determined: 01/12/1988
 Date achieved compliance: 06/28/1989
 Violation lead agency: EPA
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 09/26/1988
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 270
 Area of violation: TSD - General
 Date violation determined: 01/12/1988
 Date achieved compliance: 06/28/1989
 Violation lead agency: EPA
 Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
 Enforcement action date: 05/17/1987
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.110-120.G
 Area of violation: TSD - Closure/Post-Closure
 Date violation determined: 01/12/1988

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Date achieved compliance: 06/28/1989
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.110-120.G
 Area of violation: TSD - Closure/Post-Closure
 Date violation determined: 01/12/1988
 Date achieved compliance: 06/28/1989
 Violation lead agency: EPA
 Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
 Enforcement action date: 05/17/1987
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 270
 Area of violation: TSD - General
 Date violation determined: 01/12/1988
 Date achieved compliance: 06/28/1989
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268.7
 Area of violation: LDR - General
 Date violation determined: 03/12/1987
 Date achieved compliance: 01/12/1988
 Violation lead agency: EPA
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 09/26/1988
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.110-120.G
 Area of violation: TSD - Closure/Post-Closure
 Date violation determined: 03/12/1987
 Date achieved compliance: 01/12/1988

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268 ALL
 Area of violation: LDR - General
 Date violation determined: 03/12/1987
 Date achieved compliance: 01/12/1988
 Violation lead agency: EPA
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 09/26/1988
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268.7
 Area of violation: LDR - General
 Date violation determined: 03/12/1987
 Date achieved compliance: 01/12/1988
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 268 ALL
 Area of violation: LDR - General
 Date violation determined: 03/12/1987
 Date achieved compliance: 01/12/1988
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 270
 Area of violation: TSD - General
 Date violation determined: 03/12/1987
 Date achieved compliance: 01/12/1988
 Violation lead agency: EPA

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 09/26/1988
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 264.110-120.G
 Area of violation: TSD - Closure/Post-Closure
 Date violation determined: 03/12/1987
 Date achieved compliance: 01/12/1988
 Violation lead agency: EPA
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 09/26/1988
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: FR - 270
 Area of violation: TSD - General
 Date violation determined: 03/12/1987
 Date achieved compliance: 01/12/1988
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Evaluation Action Summary:
 Evaluation date: 10/18/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 05/04/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 04/06/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 03/23/2010

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 03/16/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 03/10/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 03/09/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 03/09/2010
 Evaluation lead agency: State

Evaluation date: 03/09/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 02/02/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 01/12/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 12/02/2009
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 12/01/2009
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 11/24/2009
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency:	State
Evaluation date:	10/29/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/28/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/27/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/26/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/20/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/19/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/23/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/09/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/13/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/13/2009

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/17/2009
Evaluation lead agency:	State
Evaluation date:	12/09/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	12/02/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/19/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/18/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/04/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	11/24/2008
Evaluation lead agency:	State
Evaluation date:	11/04/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/29/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/28/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/27/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency:	State
Evaluation date:	10/23/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/22/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/21/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/20/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/07/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/30/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/07/2008
Evaluation lead agency:	State
Evaluation date:	09/30/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/23/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/16/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/09/2008

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	08/28/2008
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	08/13/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	07/31/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/24/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/15/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/15/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/14/2008
Evaluation lead agency:	State
Evaluation date:	01/08/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/05/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/27/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/29/2008

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency:	State
Evaluation date:	11/27/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/05/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/05/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	11/05/2007
Evaluation lead agency:	State
Evaluation date:	11/05/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/17/2009
Evaluation lead agency:	State
Evaluation date:	11/05/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/29/2008
Evaluation lead agency:	State
Evaluation date:	11/01/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/31/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/18/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/17/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/16/2007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/15/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/09/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	08/14/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	07/31/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/05/2007
Evaluation lead agency:	State
Evaluation date:	07/31/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/17/2009
Evaluation lead agency:	State
Evaluation date:	07/31/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	07/10/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/06/2007
Evaluation lead agency:	State
Evaluation date:	07/10/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/22/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Contingency Plan and Emergency Procedures
Date achieved compliance:	02/05/2007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency:	State
Evaluation date:	01/22/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General Facility Standards
Date achieved compliance:	02/05/2007
Evaluation lead agency:	State
Evaluation date:	02/22/2006
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Manifest
Date achieved compliance:	03/23/2006
Evaluation lead agency:	State
Evaluation date:	05/26/2005
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/22/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/18/2002
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	02/27/2002
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	02/22/2001
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/02/2001
Evaluation lead agency:	State
Evaluation date:	03/21/2000
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/23/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	12/10/1998
Evaluation lead agency:	State
Evaluation date:	03/31/1998

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: TSD - General
 Date achieved compliance: 04/06/1988
 Evaluation lead agency: State

Evaluation date: 10/23/1996
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 12/21/1995
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: LDR - General
 Date achieved compliance: 12/21/1995
 Evaluation lead agency: State

Evaluation date: 12/21/1995
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 12/21/1995
 Evaluation lead agency: State

Evaluation date: 03/21/1995
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 04/28/1994
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 03/21/1995
 Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/20/1994
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 05/18/1994
 Evaluation lead agency: State

Evaluation date: 04/20/1994
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: TSD - General
 Date achieved compliance: 05/18/1994
 Evaluation lead agency: State

Evaluation date: 04/14/1994
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 04/20/1994
 Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/13/1994
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 04/14/1994

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/07/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/13/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/05/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/07/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/01/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/05/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/31/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/01/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/30/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/31/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/25/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/30/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/16/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/25/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/03/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/16/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/23/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/03/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/16/1994

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/23/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/09/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/16/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/02/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/09/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	01/27/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/02/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	01/26/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/27/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	01/24/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/26/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	01/19/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/24/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	12/02/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/19/1994
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	10/20/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	12/02/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	10/13/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/20/1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	10/06/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/13/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	09/22/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/06/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	08/11/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/22/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	07/21/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	08/11/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	07/14/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/21/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	07/07/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/14/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	06/10/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/07/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	05/26/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	06/10/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	05/19/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	05/26/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	05/05/1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	05/19/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/28/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	05/05/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/22/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/28/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/21/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/22/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/08/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/21/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/07/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/08/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/17/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/07/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/11/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/17/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/10/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/11/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/08/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/10/1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/04/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/08/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/03/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/04/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/01/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/03/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/24/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/01/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/19/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/24/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/17/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/19/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/10/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/17/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/01/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/10/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	01/13/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/01/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	01/06/1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/13/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	10/21/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/06/1993
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	10/08/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/21/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	10/06/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/08/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	09/21/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Closure/Post-Closure
Date achieved compliance:	03/17/1995
Evaluation lead agency:	State
Evaluation date:	09/21/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/17/1995
Evaluation lead agency:	State
Evaluation date:	09/21/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	03/17/1995
Evaluation lead agency:	State
Evaluation date:	09/21/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	03/17/1995
Evaluation lead agency:	State
Evaluation date:	09/02/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/21/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	08/26/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/02/1992

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	08/14/1992
Evaluation:	NOT A SIGNIFICANT NON-COMPLIER
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	08/12/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	08/26/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	08/10/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	08/12/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	08/05/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	08/10/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	07/29/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	07/15/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/29/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	07/01/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/15/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	06/24/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/01/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	06/18/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	06/24/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	06/11/1992

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	06/18/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	06/10/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	06/11/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	06/03/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	06/10/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	05/27/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	06/03/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	05/20/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	05/27/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	05/13/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	05/20/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	05/07/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	05/13/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	05/06/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	05/07/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/15/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	05/06/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/08/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/15/1992

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/01/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/08/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/25/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	04/01/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/18/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/25/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/17/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/18/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/03/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/17/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	03/02/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/03/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/26/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/25/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/26/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	02/18/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/25/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	12/17/1991

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/18/1992
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	11/12/1991
Evaluation:	SIGNIFICANT NON-COMPLIER
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	10/08/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	12/17/1991
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	10/01/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/08/1991
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	09/19/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/01/1991
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	08/21/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/19/1991
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	07/24/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	08/14/1992
Evaluation lead agency:	EPA
Evaluation date:	07/24/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	08/14/1992
Evaluation lead agency:	EPA
Evaluation date:	07/24/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	08/14/1992
Evaluation lead agency:	EPA
Evaluation date:	12/12/1990
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/24/1991

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/08/1990
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 12/12/1990
 Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/06/1990
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 11/08/1990
 Evaluation lead agency: State Contractor/Grantee

Evaluation date: 10/27/1990
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 11/06/1990
 Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/17/1990
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: LDR - General
 Date achieved compliance: 08/15/1992
 Evaluation lead agency: EPA

Evaluation date: 07/17/1990
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: TSD - General
 Date achieved compliance: 08/15/1992
 Evaluation lead agency: EPA

Evaluation date: 06/28/1989
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: TSD - General
 Date achieved compliance: 11/30/1989
 Evaluation lead agency: EPA

Evaluation date: 06/28/1989
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: LDR - General
 Date achieved compliance: 11/30/1989
 Evaluation lead agency: EPA

Evaluation date: 01/12/1988
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: TSD - Closure/Post-Closure
 Date achieved compliance: 06/28/1989
 Evaluation lead agency: EPA

Evaluation date: 01/12/1988
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: TSD - General
 Date achieved compliance: 06/28/1989
 Evaluation lead agency: EPA

Evaluation date: 03/12/1987

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: TSD - General
 Date achieved compliance: 01/12/1988
 Evaluation lead agency: EPA

Evaluation date: 03/12/1987
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: TSD - Closure/Post-Closure
 Date achieved compliance: 01/12/1988
 Evaluation lead agency: EPA

Evaluation date: 03/12/1987
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: LDR - General
 Date achieved compliance: 01/12/1988
 Evaluation lead agency: EPA

US ENG CONTROLS:

EPA ID: CA2170023533
 Site ID: 0902732
 Name: CAMP PENDLETON MARINE CORPS BASE
 Address: CAMP PENDLETON MARINE BASE
 CAMP PENDLETON, CA 92055
 EPA Region: 09
 County: SAN DIEGO
 Event Code: Not reported
 Actual Date: Not reported

Action ID: 001
 Action Name: Explanation Of Significant Differences
 Action Completion date: 9/22/2004
 Planned Complet. date: Not reported
 Operable Unit: 01
 Contaminated Media : Groundwater
 Engineering Control: No Further Action

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 12/7/1995
 Planned Complet. date: 12/31/1995
 Operable Unit: 01
 Contaminated Media : Groundwater
 Engineering Control: Monitoring

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 12/7/1995
 Planned Complet. date: 12/31/1995
 Operable Unit: 01
 Contaminated Media : Groundwater
 Engineering Control: Natural Attenuation

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 12/7/1995
 Planned Complet. date: 12/31/1995
 Operable Unit: 01
 Contaminated Media : Soil

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Engineering Control: No Action

Action ID: 002
 Action Name: RECORD OF DECISION
 Action Completion date: 9/30/1997
 Planned Complet. date: 9/30/1997
 Operable Unit: 02
 Contaminated Media : Groundwater
 Engineering Control: No Action

Action ID: 002
 Action Name: RECORD OF DECISION
 Action Completion date: 9/30/1997
 Planned Complet. date: 9/30/1997
 Operable Unit: 02
 Contaminated Media : Sediment
 Engineering Control: No Action

Action ID: 002
 Action Name: RECORD OF DECISION
 Action Completion date: 9/30/1997
 Planned Complet. date: 9/30/1997
 Operable Unit: 02
 Contaminated Media : Soil
 Engineering Control: No Action

Action ID: 002
 Action Name: RECORD OF DECISION
 Action Completion date: 9/30/1997
 Planned Complet. date: 9/30/1997
 Operable Unit: 02
 Contaminated Media : Surface Water
 Engineering Control: No Action

Action ID: 004
 Action Name: RECORD OF DECISION
 Action Completion date: 6/15/2007
 Planned Complet. date: 7/30/2007
 Operable Unit: 04
 Contaminated Media : Soil
 Engineering Control: Disposal

Action ID: 004
 Action Name: RECORD OF DECISION
 Action Completion date: 6/15/2007
 Planned Complet. date: 7/30/2007
 Operable Unit: 04
 Contaminated Media : Soil
 Engineering Control: Excavation

Action ID: 004
 Action Name: RECORD OF DECISION
 Action Completion date: 6/15/2007
 Planned Complet. date: 7/30/2007
 Operable Unit: 04
 Contaminated Media : Soil
 Engineering Control: No Further Action

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Action ID: 004
 Action Name: RECORD OF DECISION
 Action Completion date: 6/15/2007
 Planned Complet. date: 7/30/2007
 Operable Unit: 04
 Contaminated Media : Soil
 Engineering Control: Sampling

Action ID: 004
 Action Name: RECORD OF DECISION
 Action Completion date: 6/15/2007
 Planned Complet. date: 7/30/2007
 Operable Unit: 04
 Contaminated Media : Soil
 Engineering Control: Solidification/ Stabilization

Action ID: 005
 Action Name: RECORD OF DECISION
 Action Completion date: 2/21/2008
 Planned Complet. date: 9/30/2008
 Operable Unit: 05
 Contaminated Media : Soil
 Engineering Control: Disposal

Action ID: 005
 Action Name: RECORD OF DECISION
 Action Completion date: 2/21/2008
 Planned Complet. date: 9/30/2008
 Operable Unit: 05
 Contaminated Media : Soil
 Engineering Control: Excavation

Action ID: 005
 Action Name: RECORD OF DECISION
 Action Completion date: 2/21/2008
 Planned Complet. date: 9/30/2008
 Operable Unit: 05
 Contaminated Media : Soil
 Engineering Control: No Further Action

Action ID: 005
 Action Name: RECORD OF DECISION
 Action Completion date: 2/21/2008
 Planned Complet. date: 9/30/2008
 Operable Unit: 05
 Contaminated Media : Soil
 Engineering Control: Solidification/ Stabilization

US INST CONTROL:

EPA ID: CA2170023533
 Site ID: 0902732
 Name: CAMP PENDLETON MARINE CORPS BASE
 Action Name: RECORD OF DECISION
 Address: CAMP PENDLETON MARINE BASE
 CAMP PENDLETON, CA 92055
 EPA Region: 09

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

County: SAN DIEGO
 Event Code: Not reported
 Inst. Control: Institutional Controls, (N.O.S.)
 Actual Date: Not reported
 Complet. Date: 12/7/1995
 Operable Unit: 01
 Contaminated Media : Groundwater

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

TRIS:

[Click this hyperlink](#) while viewing on your computer to access 6 additional US_TRIS: record(s) in the EDR Site Report.

PADS:

EPAID: CA2170023533
 Facility name: USMC BASE CAMP PENDELTON
 Facility Address: MARINE CORPS BASE, VARIOUS LOCATION
 CAMP PENDLETON, CA
 Facility country: US
 Generator: Yes
 Storer: No
 Transporter: No
 Disposer: No
 Research facility: No
 Smelter: No
 Facility owner name: UNITED STATES MARINE CORPS
 Contact title: Not reported
 Contact name: TORRECARION, R.C. HAZ WSTE MAN
 Contact tel: (619)725-9753
 Contact extension: Not reported
 Mailing address: BOX 555008, ASST CH STAFF ENV SCRTY
 CAMP PENDLETON, CA
 Mailing country: US
 Cert. title: Not reported
 Cert. name: Not reported
 Cert. date: 10/4/1994
 Date received: 1/4/1995

NY MANIFEST:

EPA ID: CA2170023533
 Country: USA
 Mailing Name: UNITED STATES MILITARY-DRMO PENDLETON
 Mailing Contact: UNITED STATES MILITARY-DRMO PENDLETON
 Mailing Address: BUILDING 2241-P.O. BOX 1608
 Mailing Address 2: Not reported
 Mailing City: OCEANSIDE
 Mailing State: CA
 Mailing Zip: 92054
 Mailing Zip4: Not reported
 Mailing Country: USA
 Mailing Phone: 619-725-4332

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

USMC CAMP PENDLETON (Continued)

1000344642

Document ID: NYA3198881
 Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC
 Trans1 State ID: 703475
 Trans2 State ID: DB3945
 Generator Ship Date: 860905
 Trans1 Recv Date: 860905
 Trans2 Recv Date: 860910
 TSD Site Recv Date: 861001
 Part A Recv Date: 860926
 Part B Recv Date: 861009
 Generator EPA ID: CA2170023533
 Trans1 EPA ID: GAD042097261
 Trans2 EPA ID: Not reported
 TSDf ID: NYD000632372
 Waste Code: D003 - NON-LISTED REACTIVE WASTES
 Quantity: 01847
 Units: P - Pounds
 Number of Containers: 008
 Container Type: DM - Metal drums, barrels
 Handling Method: T Chemical, physical, or biological treatment.
 Specific Gravity: 100
 Year: 86

DOD Region	CAMP PENDLETON MARINE CORPS BASE	DOD	CUSA144257
	CAMP PENDLETON MARINE COR (County), CA		N/A

DOD:
 Feature 1: Marine Corps DOD
 Feature 2: Not reported
 Feature 3: Not reported
 URL: Not reported
 Name 1: Camp Pendleton Marine Corps Base
 Name 2: Not reported
 Name 3: Not reported
 State: CA
 DOD Site: Yes
 Tile name: CASAN_DIEGO

1	ULTRAMAR/SAN JUAN SERVICE 26572 JUNIPERO SERRA SAN JUAN CAPISTRANO, CA	CA HIST CORTESE CA LUST	S103296767 N/A
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CORTESE:
 Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 9UT3636

LUST REG 9:
 Region: 9
 Status: Preliminary site assessment workplan submitted
 Case Number: 9UT3636
 Local Case: 98UT36
 Substance: Gasoline
 Qty Leaked: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ULTRAMAR/SAN JUAN SERVICE (Continued)

S103296767

Abate Method: Not reported
 Local Agency: Orange
 How Found: Other Means
 How Stopped: Not reported
 Source: Unknown
 Cause: Unknown
 Lead Agency: Local Agency
 Case Type: Soil only
 Date Found: 05/04/1998
 Date Stopped: / /
 Confirm Date: / /
 Submit Workplan: 5/7/98
 Prelim Assess: / /
 Desc Pollution: Not reported
 Remed Plan: / /
 Remed Action: Not reported
 Began Monitor: Not reported
 Release Date: 05/07/1998
 Enforce Date: Not reported
 Closed Date: Not reported
 Enforce Type: Not reported
 Pilot Program: LOP
 Basin Number: 901.23
 GW Depth: Not reported
 Beneficial Use: MUNBU
 NPDES Number: Not reported
 Priority: 2A
 File Dispn: Administratively opened on database, however no file physically exists
 Interim Remedial Actions: Not reported
 Cleanup and Abatement order Number: Not reported
 Waste Discharge Requirement Number: Not reported

**1 EXXON STATION #7-3050
 26572 JUNIPERO SERRA
 SAN JUAN CAPISTRANO, CA**

**CA HIST CORTESE S104164228
 N/A**

CORTESE:
 Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 9UT2029

**1 ULTRAMAR /SAN JUAN SERVICE
 26572 JUNIPERO SERRA
 SAN JUAN CAPISTRANO, CA 92675**

**CA LUST S100273620
 CA SWEEPS UST N/A**

LUST:
 Region: STATE
 Global Id: T0605902555
 Latitude: 33.519859039
 Longitude: -117.666837855
 Case Type: LUST Cleanup Site
 Status: Open - Site Assessment
 Status Date: 02/19/1999
 Lead Agency: ORANGE COUNTY LOP
 Case Worker: SK

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ULTRAMAR /SAN JUAN SERVICE (Continued)

S100273620

Local Agency: ORANGE COUNTY LOP
 RB Case Number: 9UT3636
 LOC Case Number: 98UT036
 File Location: Local Agency
 Potential Media Affect: Aquifer used for drinking water supply, Soil
 Potential Contaminants of Concern: Fuel Oxygenates, Gasoline
 Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0605902555
 Contact Type: Regional Board Caseworker
 Contact Name: UNASSIGNED
 Organization Name: SAN DIEGO RWQCB (REGION 9)
 Address: 9174 SKY PARK COURT, SUITE 100
 City: SAN DIEGO
 Email: Not reported
 Phone Number: Not reported

Global Id: T0605902555
 Contact Type: Local Agency Caseworker
 Contact Name: SHYAMALA KALYANASUNDARAM
 Organization Name: ORANGE COUNTY LOP
 Address: 1241 E. DYER ROAD SUITE 120
 City: SANTA ANA
 Email: ssundaram@ochca.com
 Phone Number: 7144336262

LUST:

Global Id: T0605902555
 Action Type: ENFORCEMENT
 Date: 07/09/2009
 Action: Staff Letter

Global Id: T0605902555
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0605902555
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Excavate and Dispose

Global Id: T0605902555
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0605902555
 Action Type: ENFORCEMENT
 Date: 03/30/2011
 Action: File review

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ULTRAMAR /SAN JUAN SERVICE (Continued)

S100273620

Global Id: T0605902555
 Action Type: ENFORCEMENT
 Date: 08/04/2004
 Action: Staff Letter

Region: STATE
 Global Id: T0605902452
 Latitude: 33.519859
 Longitude: -117.666836
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 01/06/1994
 Lead Agency: ORANGE COUNTY LOP
 Case Worker: SK
 Local Agency: ORANGE COUNTY LOP
 RB Case Number: 9UT2029
 LOC Case Number: 91UT087
 File Location: Local Agency
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0605902452
 Contact Type: Regional Board Caseworker
 Contact Name: UNASSIGNED
 Organization Name: SAN DIEGO RWQCB (REGION 9)
 Address: 9174 SKY PARK COURT, SUITE 100
 City: SAN DIEGO
 Email: Not reported
 Phone Number: Not reported

Global Id: T0605902452
 Contact Type: Local Agency Caseworker
 Contact Name: SHYAMALA KALYANASUNDARAM
 Organization Name: ORANGE COUNTY LOP
 Address: 1241 E. DYER ROAD SUITE 120
 City: SANTA ANA
 Email: ssundaram@ochca.com
 Phone Number: 7144336262

LUST:

Global Id: T0605902452
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0605902452
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ULTRAMAR /SAN JUAN SERVICE (Continued)

S100273620

ORANGE CO. LUST:

Region: ORANGE
 Facility Id: 98UT036
 Current Status: 5C
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: Not reported
 Case Type: Other Ground Water
 Record ID: RO0001928

Region: ORANGE
 Facility Id: 91UT087
 Current Status: Certification (Case Closed)
 Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
 Date Closed: 01/06/1994
 Case Type: Soil Only
 Record ID: RO0002961

LUST REG 9:

Region: 9
 Status: Pollution Characterization
 Case Number: 9UT2029
 Local Case: 91UT87
 Substance: Waste Oil
 Qty Leaked: Not reported
 Abate Method: Not reported
 Local Agency: Orange
 How Found: Inventory Control
 How Stopped: Not reported
 Source: Unknown
 Cause: Unknown
 Lead Agency: Local Agency
 Case Type: Soil only
 Date Found: 01/31/1991
 Date Stopped: / /
 Confirm Date: / /
 Submit Workplan: 8/28/91
 Prelim Assess: 01/01/1992
 Desc Pollution: 9/24/92
 Remed Plan: / /
 Remed Action: Not reported
 Began Monitor: Not reported
 Release Date: 01/31/1991
 Enforce Date: Not reported
 Closed Date: Not reported
 Enforce Type: Not reported
 Pilot Program: LOP
 Basin Number: 901.28
 GW Depth: 34'
 Beneficial Use: Municipal groundwater use
 NPDES Number: Not reported
 Priority: Not reported
 File Dispn: File discarded, case closed
 Interim Remedial Actions: No
 Cleanup and Abatement order Number: Not reported
 Waste Discharge Requirement Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ULTRAMAR /SAN JUAN SERVICE (Continued)

S100273620

SWEEPS UST:

Status: A
 Comp Number: 2259
 Number: 9
 Board Of Equalization: 44-000285
 Ref Date: 09-30-92
 Act Date: 09-15-92
 Created Date: 02-29-88
 Tank Status: A
 Owner Tank Id: Not reported
 Swrcb Tank Id: 30-000-002259-000001
 Actv Date: Not reported
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: 5

Status: A
 Comp Number: 2259
 Number: 9
 Board Of Equalization: 44-000285
 Ref Date: 09-30-92
 Act Date: 09-15-92
 Created Date: 02-29-88
 Tank Status: A
 Owner Tank Id: Not reported
 Swrcb Tank Id: 30-000-002259-000004
 Actv Date: Not reported
 Capacity: 8000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: A
 Comp Number: 2259
 Number: 9
 Board Of Equalization: 44-000285
 Ref Date: 09-30-92
 Act Date: 09-15-92
 Created Date: 02-29-88
 Tank Status: A
 Owner Tank Id: Not reported
 Swrcb Tank Id: 30-000-002259-000005
 Actv Date: Not reported
 Capacity: 8000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: A
 Comp Number: 2259
 Number: 9
 Board Of Equalization: 44-000285
 Ref Date: 09-30-92

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ULTRAMAR /SAN JUAN SERVICE (Continued)

S100273620

Act Date: 09-15-92
 Created Date: 02-29-88
 Tank Status: A
 Owner Tank Id: Not reported
 Swrcb Tank Id: 30-000-002259-000006
 Actv Date: Not reported
 Capacity: 8000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: A
 Comp Number: 2259
 Number: 9
 Board Of Equalization: 44-000285
 Ref Date: 09-30-92
 Act Date: 09-15-92
 Created Date: 02-29-88
 Tank Status: A
 Owner Tank Id: Not reported
 Swrcb Tank Id: 30-000-002259-000007
 Actv Date: Not reported
 Capacity: 1000
 Tank Use: PETROLEUM
 Stg: P
 Content: Not reported
 Number Of Tanks: Not reported

**1 SHELL SERVICE STATION
 26571 JUNIPERO SERRA
 SAN JUAN CAPISTRANO, CA 92675**

**RCRA-SQG 1000288482
 CA LUST CAD981458508**

RCRA-SQG:

Date form received by agency: 02/26/2004
 Facility name: SHELL SERVICE STATION
 Facility address: 26571 JUNIPERO SERRA RD
 SAP #136016
 SAN JUAN CAPISTRANO, CA 92675
 EPA ID: CAD981458508
 Mailing address: SHELL OIL PRODUCTS US
 12700 NORTHBOROUGH DR MFT240-G
 HOUSTON, TX 770672508
 Contact: GARY V WING
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: (714) 731-8337
 Contact email: GVWING@SHELLOPUS.COM
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL SERVICE STATION (Continued)

1000288482

Owner/Operator Summary:

Owner/operator name: SHELL OIL PRODUCTS US
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 08/01/1998
 Owner/Op end date: Not reported

Owner/operator name: EQUILON ENTERPRISES LLC DBA SHELL OIL PR
 Owner/operator address: PO BOX 2648
 HOUSTON, TX 77252
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 08/01/1998
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 02/26/2004
 Facility name: SHELL SERVICE STATION
 Classification: Large Quantity Generator

Date form received by agency: 04/08/1998
 Facility name: SHELL SERVICE STATION
 Site name: SHELL OIL CO
 Classification: Small Quantity Generator

Date form received by agency: 09/01/1996
 Facility name: SHELL SERVICE STATION
 Site name: SHELL OIL CO
 Classification: Small Quantity Generator

Violation Status: No violations found

LUST:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SERVICE STATION (Continued)

1000288482

Region: STATE
 Global Id: T0605902366
 Latitude: 33.520270944
 Longitude: -117.667183695
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 07/09/2004
 Lead Agency: ORANGE COUNTY LOP
 Case Worker: SK
 Local Agency: ORANGE COUNTY LOP
 RB Case Number: 9UT1169
 LOC Case Number: 88UT093
 File Location: Local Agency Warehouse
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0605902366
 Contact Type: Regional Board Caseworker
 Contact Name: UNASSIGNED
 Organization Name: SAN DIEGO RWQCB (REGION 9)
 Address: 9174 SKY PARK COURT, SUITE 100
 City: SAN DIEGO
 Email: Not reported
 Phone Number: Not reported

Global Id: T0605902366
 Contact Type: Local Agency Caseworker
 Contact Name: SHYAMALA KALYANASUNDARAM
 Organization Name: ORANGE COUNTY LOP
 Address: 1241 E. DYER ROAD SUITE 120
 City: SANTA ANA
 Email: ssundaram@ochca.com
 Phone Number: 7144336262

LUST:

Global Id: T0605902366
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0605902366
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Excavate and Treat

Global Id: T0605902366
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0605902366
 Action Type: RESPONSE
 Date: 04/23/2003

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SERVICE STATION (Continued)

1000288482

Action: Other Report / Document

Global Id: T0605902366
 Action Type: ENFORCEMENT
 Date: 03/18/2003
 Action: Staff Letter

Global Id: T0605902366
 Action Type: ENFORCEMENT
 Date: 07/09/2004
 Action: Closure/No Further Action Letter

ORANGE CO. LUST:

Region: ORANGE
 Facility Id: 88UT093
 Current Status: Certification (Case Closed)
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: 07/09/2004
 Case Type: Other Ground Water
 Record ID: RO0000741

1

**SHELL OIL STATION
 26571 JUNIPERO SERRA
 SAN JUAN CAPISTRANO, CA 92675**

**CA HIST CORTESE S101299943
 CA LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 9UT1169

LUST REG 9:

Region: 9
 Status: Pollution Characterization
 Case Number: 9UT1169
 Local Case: 88UT93
 Substance: Gasoline
 Qty Leaked: Not reported
 Abate Method: Not reported
 Local Agency: Orange
 How Found: Tank Closure
 How Stopped: Close Tank
 Source: Unknown
 Cause: Unknown
 Lead Agency: Local Agency
 Case Type: Aquifer affected
 Date Found: 05/06/1988
 Date Stopped: 05/06/1988
 Confirm Date: / /
 Submit Workplan: Not reported
 Prelim Assess: 02/15/1989
 Desc Pollution: 9/24/92
 Remed Plan: / /
 Remed Action: Not reported
 Began Monitor: Not reported
 Release Date: 02/15/1989

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL OIL STATION (Continued)

S101299943

Enforce Date: Not reported
 Closed Date: Not reported
 Enforce Type: Not reported
 Pilot Program: LOP
 Basin Number: 901.23
 GW Depth: 34'
 Beneficial Use: Municipal groundwater use
 NPDES Number: Not reported
 Priority: Not reported
 File Dispn: Not reported
 Interim Remedial Actions: Yes
 Cleanup and Abatement order Number: Not reported
 Waste Discharge Requirement Number: Not reported

2

**ENDEVCO CORPORATION
 30700 RANCHO VIEJO ROAD
 SAN JUAN CAPISTRANO, CA 92765**

**CA ENVIROSTOR S110493826
 N/A**

ENVIROSTOR:

Site Type: Tiered Permit
 Site Type Detailed: Tiered Permit
 Acres: 0
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Not reported
 Division Branch: Cleanup Cypress
 Facility ID: 71004113
 Site Code: Not reported
 Assembly: 73
 Senate: 38
 Special Program: Not reported
 Status: Inactive - Needs Evaluation
 Status Date: Not reported
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 33.51823
 Longitude: -117.6623
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CA0000146068
 Alias Type: EPA Identification Number
 Alias Name: 71004113
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
 Completed Sub Area Name: Not reported
 Completed Document Type: Not reported
 Completed Date: Not reported
 Comments: Not reported

Future Area Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ENDEVCO CORPORATION (Continued)

S110493826

Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

3

**MARBELLA GOLF & COUNTRY CLUB
 30650 GOLF CLUB DR
 SAN JUAN CAPISTRA, CA 92675**

**CA FID UST U001559767
 CA SWEEPS UST N/A**

CA FID UST:

Facility ID: 30013247
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: Not reported
 Mail To: Not reported
 Mailing Address: 30800 GOLF CLUB DR
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN JUAN CAPISTRA 92675
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: A
 Comp Number: 10601
 Number: 9
 Board Of Equalization: Not reported
 Ref Date: 09-30-92
 Act Date: 09-15-92
 Created Date: 02-29-88
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: Not reported
 Actv Date: Not reported
 Capacity: Not reported
 Tank Use: Not reported
 Stg: Not reported
 Content: Not reported
 Number Of Tanks: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site Database(s) EDR ID Number
 EPA ID Number

3 **30650 GOLF CLUB DR** CA AST A100340562
SAN JUAN CAPISTRANO, CA 92675 N/A

AST:
 Owner: MARBELLA GOLF & COUNTY CLUB
 Total Gallons: 1,320
 Certified Unified Program Agencies: Orange

3 **MARBELLA GOLF COURSE** CA LUST S106170917
30650 GOLF CLUB CA HAZNET N/A
SAN JUAN CAPISTRANO, CA 92675

LUST:
 Region: STATE
 Global Id: T0605992001
 Latitude: 33.513516
 Longitude: -117.654289
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 05/27/2005
 Lead Agency: ORANGE COUNTY LOP
 Case Worker: SK
 Local Agency: ORANGE COUNTY LOP
 RB Case Number: Not reported
 LOC Case Number: 04UT002
 File Location: Local Agency
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:
 Global Id: T0605992001
 Contact Type: Regional Board Caseworker
 Contact Name: UNASSIGNED
 Organization Name: SAN DIEGO RWQCB (REGION 9)
 Address: 9174 SKY PARK COURT, SUITE 100
 City: SAN DIEGO
 Email: Not reported
 Phone Number: Not reported

Global Id: T0605992001
 Contact Type: Local Agency Caseworker
 Contact Name: SHYAMALA KALYANASUNDARAM
 Organization Name: ORANGE COUNTY LOP
 Address: 1241 E. DYER ROAD SUITE 120
 City: SANTA ANA
 Email: ssundaram@ochca.com
 Phone Number: 7144336262

LUST:
 Global Id: T0605992001
 Action Type: ENFORCEMENT
 Date: 05/27/2005
 Action: Closure/No Further Action Letter

Global Id: T0605992001
 Action Type: ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARBELLA GOLF COURSE (Continued)

S106170917

Date: 01/12/2004
 Action: * Corrective Action Orders

Global Id: T0605992001
 Action Type: ENFORCEMENT
 Date: 01/12/2004
 Action: Notice of Responsibility

Global Id: T0605992001
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0605992001
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0605992001
 Action Type: RESPONSE
 Date: 04/19/2004
 Action: Soil and Water Investigation Workplan

Global Id: T0605992001
 Action Type: RESPONSE
 Date: 02/09/2004
 Action: Other Report / Document

ORANGE CO. LUST:

Region: ORANGE
 Facility Id: 04UT002
 Current Status: Certification (Case Closed)
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: 05/27/2005
 Case Type: Soil Only
 Record ID: RO0003272

HAZNET:

Year: 2010
 Gepaid: CAL000342270
 Contact: MATTHEW MARSH
 Telephone: 9496611143
 Mailing Name: Not reported
 Mailing Address: 30800 GOLF CLUB DR
 Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926755415
 Gen County: Not reported
 TSD EPA ID: CAT080013352
 TSD County: Not reported
 Waste Category: Oil/water separation sludge
 Disposal Method: OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT

Tons: 6.56775
 Facility County: Orange

Year: 2010

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARBELLA GOLF COURSE (Continued)

S106170917

Gepaid: CAL000342270
 Contact: MATTHEW MARSH
 Telephone: 9496611143
 Mailing Name: Not reported
 Mailing Address: 30800 GOLF CLUB DR
 Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926755415
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.05
 Facility County: Orange

Year: 2010
 Gepaid: CAL000342270
 Contact: MATTHEW MARSH
 Telephone: 9496611143
 Mailing Name: Not reported
 Mailing Address: 30800 GOLF CLUB DR
 Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926755415
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
 Tons: 0.01
 Facility County: Orange

Year: 2010
 Gepaid: CAL000342270
 Contact: MATTHEW MARSH
 Telephone: 9496611143
 Mailing Name: Not reported
 Mailing Address: 30800 GOLF CLUB DR
 Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926755415
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Waste oil and mixed oil
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.15
 Facility County: Orange

4

**INTOWN PROP/HUD
 31098 CALLE SAN DIEGO
 SAN JUAN CAPISTRANO, CA 92675**

**CA HAZNET S103651754
 N/A**

HAZNET:
 Year: 1997
 Gepaid: CAC001334216
 Contact: HUD
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 5528-3A E LA PALMA AVE
 Mailing City,St,Zip: ANAHEIM HILLS, CA 928070000
 Gen County: Orange

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

INTOWN PROP/HUD (Continued)

S103651754

TSD EPA ID: CAD000088252
 TSD County: Los Angeles
 Waste Category: Household waste
 Disposal Method: H01
 Tons: .0025
 Facility County: Orange

**4 SAN DIEGO GAS AND ELECTRIC PROPERTY
 31050 CAMINO CAPISTRANO
 SAN JUAN CAPISTRANO, CA 92675**

**CA HAZNET S108219444
 N/A**

HAZNET:
 Year: 2004
 Gepaid: CAP000149963
 Contact: SAN DIEGO GAS AND ELECTRIC PROPERTY
 Telephone: Not reported
 Mailing Name: Not reported
 Mailing Address: 571 ENTERPRISE ST
 Mailing City,St,Zip: ESCONDIDO, CA 920290000
 Gen County: Orange
 TSD EPA ID: CAD980675276
 TSD County: Kern
 Waste Category: Other inorganic solid waste
 Disposal Method: T01
 Tons: 17.5
 Facility County: Not reported

**4 LAWSON'S LANDSCAPE
 31050 CAMINO CAPISTRANO
 SAN JUAN CAPISTRANO, CA 92675**

**CA HAZNET S103651743
 N/A**

HAZNET:
 Year: 1997
 Gepaid: CAL000152953
 Contact: KEN LAWSON
 Telephone: 7144961733
 Mailing Name: Not reported
 Mailing Address: 31050 CAMINO CAPISTRANO
 Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926750000
 Gen County: Orange
 TSD EPA ID: CAD008302903
 TSD County: Los Angeles
 Waste Category: Waste oil and mixed oil
 Disposal Method: R01
 Tons: .4587
 Facility County: Orange

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

5	PLANT DEPOT SCHOOL SITE 31251 AVENIDA LOS CERRITOS SAN JUAN CAPISTRANO, CA 92675	CA SCH CA ENVIROSTOR	S105840767 N/A
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SCH:

Facility ID:	30070001
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	5.81
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Not reported
Supervisor:	* Triss Chesney
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404437
Assembly:	73
Senate:	38
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2003
Restricted Use:	NO
Funding:	School District
Latitude:	33.508
Longitude:	-117.6592
APN:	NONE SPECIFIED
Past Use:	* AGRICULTURAL SERVICES
Potential COC:	30001, 30409
Confirmed COC:	30001
Potential Description:	NONE SPECIFIED
Alias Name:	ORANGE COE-PROPOSED PLANT DEPOT SITE
Alias Type:	Alternate Name
Alias Name:	ORANGE COUNTY DEPARTMENT OF EDUCATION
Alias Type:	Alternate Name
Alias Name:	PLANT DEPOT SCHOOL SITE
Alias Type:	Alternate Name
Alias Name:	404437
Alias Type:	Project Code (Site Code)
Alias Name:	30070001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	03/12/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	03/20/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PLANT DEPOT SCHOOL SITE (Continued)

S105840767

Completed Date: 01/14/2005
 Comments: Not reported
 Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: School Investigation
 Site Type Detailed: School
 Acres: 5.81
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: * Triss Chesney
 Division Branch: Southern California Schools & Brownfields Outreach
 Facility ID: 30070001
 Site Code: 404437
 Assembly: 73
 Senate: 38
 Special Program: Not reported
 Status: Inactive - Needs Evaluation
 Status Date: 07/01/2003
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: School District
 Latitude: 33.508
 Longitude: -117.6592
 APN: NONE SPECIFIED
 Past Use: * AGRICULTURAL SERVICES
 Potential COC: 30001, 30409
 Confirmed COC: 30001
 Potential Description: NONE SPECIFIED
 Alias Name: ORANGE COE-PROPOSED PLANT DEPOT SITE
 Alias Type: Alternate Name
 Alias Name: ORANGE COUNTY DEPARTMENT OF EDUCATION
 Alias Type: Alternate Name
 Alias Name: PLANT DEPOT SCHOOL SITE
 Alias Type: Alternate Name
 Alias Name: 404437
 Alias Type: Project Code (Site Code)
 Alias Name: 30070001
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Environmental Oversight Agreement
 Completed Date: 03/12/2003
 Comments: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PLANT DEPOT SCHOOL SITE (Continued)

S105840767

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Inspections/Visit (Non LUR)
 Completed Date: 03/20/2003
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 01/14/2005
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

**5 LOS CERRITOS RANCH
 31251 AVENIDA LOS CERRITOS
 SAN JUAN CAPISTRANO, CA 92675**

**CA UST U003879643
 N/A**

UST:
 Facility ID: 4192
 Latitude: 33.50783
 Longitude: -117.65618

**6 POLO CLEANERS
 31105 RANCHO VIEJO RD
 SAN JUAN CAPISTRANO, CA 92675**

**RCRA-SQG 1000818235
 FINDS CAD983639840
 CA HAZNET**

RCRA-SQG:
 Date form received by agency: 06/02/1992
 Facility name: POLO CLEANERS
 Facility address: 31105 RANCHO VIEJO RD
 SAN JUAN CAPISTRANO, CA 92675
 EPA ID: CAD983639840
 Mailing address: RANCHO VIEJO RD
 SAN JUAN CAPISTRANO, CA 92675
 Contact: JOEL LEGUINA
 Contact address: 31105 RANCHO VIEJO RD
 SAN JUAN CAPISTRANO, CA 92675
 Contact country: US
 Contact telephone: (714) 496-7354
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

POLO CLEANERS (Continued)

1000818235

Owner/Operator Summary:

Owner/operator name: JACK ENLOW
 Owner/operator address: 31105 RANCHO VIEJO RD
 SAN JUAN CAPISTRANO, CA 92675
 Owner/operator country: Not reported
 Owner/operator telephone: (714) 496-7354
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002878681

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2010
 Gepaid: CAD983639840
 Contact: --
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 31105 RANCHO VIEJO RD
 Mailing City, St, Zip: SAN JUAN CAPISTRANO, CA 926751717

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

POLO CLEANERS (Continued)

1000818235

Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.15
 Facility County: Orange

Year: 2009
 Gepaid: CAD983639840
 Contact: --
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 31105 RANCHO VIEJO RD
 Mailing City, St, Zip: SAN JUAN CAPISTRANO, CA 926751717
 Gen County: Orange
 TSD EPA ID: TXD077603371
 TSD County: 99
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.035
 Facility County: Orange

Year: 2007
 Gepaid: CAD983639840
 Contact: --
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 31105 RANCHO VIEJO RD
 Mailing City, St, Zip: SAN JUAN CAPISTRANO, CA 926751717
 Gen County: Orange
 TSD EPA ID: TXD077603371
 TSD County: 99
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.33
 Facility County: Orange

Year: 2006
 Gepaid: CAD983639840
 Contact: --
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 31105 RANCHO VIEJO RD
 Mailing City, St, Zip: SAN JUAN CAPISTRANO, CA 926751717
 Gen County: Orange
 TSD EPA ID: CAT000613893
 TSD County: Los Angeles
 Waste Category: Not reported
 Disposal Method: H01
 Tons: Not reported
 Facility County: Orange

Year: 2005
 Gepaid: CAD983639840
 Contact: --
 Telephone: --

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

POLO CLEANERS (Continued)

1000818235

Mailing Name: Not reported
 Mailing Address: 31105 RANCHO VIEJO RD
 Mailing City, St, Zip: SAN JUAN CAPISTRANO, CA 926751717
 Gen County: Orange
 TSD EPA ID: CAT000613893
 TSD County: Los Angeles
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Not reported
 Tons: 1.14
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 25 additional CA_HAZNET: record(s) in the EDR Site Report.

6 POLO CLEANERS (MARBELLA PLAZA)
31105 RANCHO VIEJO ROAD, SUITE 11
SAN JUAN CAPISTRANO, CA 92675

CA SLIC S106487027
N/A

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 07/19/2006
 Global Id: SLT9S0114218
 Lead Agency: SAN DIEGO RWQCB (REGION 9)
 Lead Agency Case Number: Not reported
 Latitude: 33.508591962
 Longitude: -117.659388476
 Case Type: Cleanup Program Site
 Case Worker: JPA
 Local Agency: Not reported
 RB Case Number: SLT90011
 File Location: Regional Board
 Potential Media Affected: Aquifer used for drinking water supply
 Potential Contaminants of Concern: * Chlorinated Solvents - PCE
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

6 ORIGINAL POLO CLEANERS
31105 RANCHO VIEJO RD STE C11
SAN JUAN CAPISTRANO, CA 92675

CA DRYCLEANERS S106077100
N/A

DRYCLEANERS:

EPA Id: CAL000272077
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 6/19/2003 2:54:00 PM
 Facility Active: No
 Inactive Date: 6/30/2004 3:01:00 PM
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 31105 RANCHO VIEJO RD STE C11
 Mailing Address 2: Not reported
 Mailing State: CA

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ORIGINAL POLO CLEANERS (Continued)

S106077100

Mailing Zip: 926751717
 Owner Name: DAN NEWELL
 Owner Address: 31105 RANCHO VIEJO RD STE C11
 Owner Address 2: Not reported
 Owner Telephone: 9494967354
 Contact Name: DAN NEWELL
 Contact Address: 31105 RANCHO VIEJO RD STE C11
 Contact Address 2: Not reported
 Contact Telephone: 9494967354

7

**CHEVRON STATION #9-3160
 27112 ORTEGA
 SAN JUAN CAPISTRANO, CA**

**CA HIST CORTESE
 CA HAZNET**

**S103648419
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 9UT2030

HAZNET:

Year: 2003
 Gepaid: CAL000049843
 Contact: KATHY NORRIS
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Orange
 TSD EPA ID: CAD008302903
 TSD County: Orange
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Not reported
 Tons: 1.83
 Facility County: Orange

Year: 2002
 Gepaid: CAL000049843
 Contact: KATHY NORRIS
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Orange
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: R01
 Tons: 0.16
 Facility County: Not reported

Year: 2001
 Gepaid: CAL000049843
 Contact: KATHY NORRIS
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON STATION #9-3160 (Continued)

S103648419

Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Orange
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: R01
 Tons: 0.22
 Facility County: Not reported

Year: 1998
 Gepaid: CAL000049843
 Contact: CHERVON PRODUCTS CO
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Orange
 TSD EPA ID: CAD008302903
 TSD County: Los Angeles
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: R01
 Tons: .7506
 Facility County: Orange

Year: 1996
 Gepaid: CAL000049843
 Contact: CHERVON PRODUCTS CO
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Orange
 TSD EPA ID: CAT080010101
 TSD County: San Diego
 Waste Category: Aqueous solution with total organic residues 10 percent or more
 Disposal Method: H01
 Tons: .2085
 Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access
 3 additional CA_HAZNET: record(s) in the EDR Site Report.

7

**CHEVRON STATION #93160
 27112 ORTEGA HWY
 SAN JUAN CAPISTRANO, CA 92675**

**CA LUST U003739478
 CA UST N/A**

LUST:
 Region: STATE
 Global Id: T0605902453
 Latitude: 33.502368
 Longitude: -117.657397
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 06/17/1992
 Lead Agency: ORANGE COUNTY LOP
 Case Worker: SK
 Local Agency: ORANGE COUNTY LOP
 RB Case Number: 9UT2030

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON STATION #93160 (Continued)

U003739478

LOC Case Number: 91UT090
 File Location: Local Agency
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Diesel, Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0605902453
 Contact Type: Regional Board Caseworker
 Contact Name: UNASSIGNED
 Organization Name: SAN DIEGO RWQCB (REGION 9)
 Address: 9174 SKY PARK COURT, SUITE 100
 City: SAN DIEGO
 Email: Not reported
 Phone Number: Not reported

Global Id: T0605902453
 Contact Type: Local Agency Caseworker
 Contact Name: SHYAMALA KALYANASUNDARAM
 Organization Name: ORANGE COUNTY LOP
 Address: 1241 E. DYER ROAD SUITE 120
 City: SANTA ANA
 Email: ssundaram@ochca.com
 Phone Number: 7144336262

LUST:

Global Id: T0605902453
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0605902453
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

UST:

Facility ID: 5943
 Latitude: 33.50274
 Longitude: -117.6574

ORANGE CO. UST:

Facility ID: FA0024007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**7 CHEVRON STATION NO 93160
 27112 ORTEGA HWY
 SAN JUAN CAPISTRANO, CA 92675**

**CA LUST S102427772
 CA HAZNET N/A**

ORANGE CO. LUST:

Region: ORANGE
 Facility Id: 91UT090
 Current Status: Certification (Case Closed)
 Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
 Date Closed: 06/17/1992
 Case Type: Soil Only
 Record ID: RO0000736

Region: ORANGE
 Facility Id: 91UT090
 Current Status: Not reported
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: 06/17/1992
 Case Type: Not reported
 Record ID: RO0000736

LUST REG 9:

Region: 9
 Status: Case Closed
 Case Number: 9UT2030
 Local Case: 91UT90
 Substance: Gasoline
 Qty Leaked: Not reported
 Abate Method: Not reported
 Local Agency: Orange
 How Found: Not reported
 How Stopped: Not reported
 Source: Unknown
 Cause: Unknown
 Lead Agency: Local Agency
 Case Type: Aquifer affected
 Date Found: / /
 Date Stopped: / /
 Confirm Date: / /
 Submit Workplan: 8/29/91
 Prelim Assess: / /
 Desc Pollution: Not reported
 Remed Plan: / /
 Remed Action: Not reported
 Began Monitor: Not reported
 Release Date: 07/18/1991
 Enforce Date: Not reported
 Closed Date: 6/17/92
 Enforce Type: Not reported
 Pilot Program: LOP
 Basin Number: 901.28
 GW Depth: Not reported
 Beneficial Use: Municipal groundwater use
 NPDES Number: Not reported
 Priority: Not reported
 File Dispn: File discarded, case closed
 Interim Remedial Actions: No
 Cleanup and Abatement order Number: Not reported
 Waste Discharge Requirement Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON STATION NO 93160 (Continued)

S102427772

HAZNET:

Year: 2010
 Gepaid: CAR000121434
 Contact: KATHY NORRIS - RM L2173
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Not reported
 TSD EPA ID: CAD044429835
 TSD County: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
 Tons: 0.0125
 Facility County: Orange

Year: 2010
 Gepaid: CAR000121434
 Contact: KATHY NORRIS - RM L2173
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Not reported
 TSD EPA ID: CAD044429835
 TSD County: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
 Tons: 0.02
 Facility County: Orange

Year: 2010
 Gepaid: CAR000121434
 Contact: KATHY NORRIS - RM L2173
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Not reported
 TSD EPA ID: CAD044429835
 TSD County: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
 Tons: 0.034
 Facility County: Orange

Year: 2010
 Gepaid: CAR000121434
 Contact: KATHY NORRIS - RM L2173
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON STATION NO 93160 (Continued)

S102427772

TSD EPA ID: CAD982444481
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: METALS RECOVERY INCLUDING RETORING,SMELTING,CHEMICALS,ECT
 Tons: 0.0125
 Facility County: Orange

Year: 2010
 Gepaid: CAR000121434
 Contact: KATHY NORRIS - RM L2173
 Telephone: 9258425931
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Not reported
 TSD EPA ID: CAD044429835
 TSD County: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
 Tons: 0.0125
 Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access 20 additional CA_HAZNET: record(s) in the EDR Site Report.

7

**TOSCO/76 PRODUCTS STATION
 27164 ORTEGA
 SAN JUAN CAPISTRANO, CA 92675**

**CA HIST CORTESE S100231061
 CA LUST N/A
 CA HAZNET**

CORTESE:

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 9UT3719

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 9UT448

LUST:

Region: STATE
 Global Id: T0605902586
 Latitude: 33.50265
 Longitude: -117.657868
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/04/1995
 Lead Agency: ORANGE COUNTY LOP
 Case Worker: SK
 Local Agency: ORANGE COUNTY LOP
 RB Case Number: 9UT448
 LOC Case Number: 85UT125
 File Location: Local Agency
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0605902586
 Contact Type: Regional Board Caseworker
 Contact Name: UNASSIGNED
 Organization Name: SAN DIEGO RWQCB (REGION 9)
 Address: 9174 SKY PARK COURT, SUITE 100
 City: SAN DIEGO
 Email: Not reported
 Phone Number: Not reported

Global Id: T0605902586
 Contact Type: Local Agency Caseworker
 Contact Name: SHYAMALA KALYANASUNDARAM
 Organization Name: ORANGE COUNTY LOP
 Address: 1241 E. DYER ROAD SUITE 120
 City: SANTA ANA
 Email: ssundaram@ochca.com
 Phone Number: 7144336262

LUST:

Global Id: T0605902586
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0605902586
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Excavate and Dispose

Global Id: T0605902586
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Vent soil

Global Id: T0605902586
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Region: STATE
 Global Id: T0605902561
 Latitude: 33.502711689
 Longitude: -117.6569189
 Case Type: LUST Cleanup Site
 Status: Open - Site Assessment
 Status Date: 08/28/2000
 Lead Agency: ORANGE COUNTY LOP
 Case Worker: SK
 Local Agency: ORANGE COUNTY LOP
 RB Case Number: 9UT3719
 LOC Case Number: 98UT066

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

File Location: Local Agency
 Potential Media Affect: Aquifer used for drinking water supply, Soil, Surface water, Well used for drinking water supply
 Potential Contaminants of Concern: Fuel Oxygenates, Gasoline
 Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0605902561
 Contact Type: Regional Board Caseworker
 Contact Name: UNASSIGNED
 Organization Name: SAN DIEGO RWQCB (REGION 9)
 Address: 9174 SKY PARK COURT, SUITE 100
 City: SAN DIEGO
 Email: Not reported
 Phone Number: Not reported

Global Id: T0605902561
 Contact Type: Local Agency Caseworker
 Contact Name: SHYAMALA KALYANASUNDARAM
 Organization Name: ORANGE COUNTY LOP
 Address: 1241 E. DYER ROAD SUITE 120
 City: SANTA ANA
 Email: ssundaram@ochca.com
 Phone Number: 7144336262

LUST:

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 11/01/2010
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 04/21/2011
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 09/03/2009
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 10/21/2009
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 10/04/2011
 Action: File review

Global Id: T0605902561

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Action Type:	ENFORCEMENT
Date:	11/03/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	09/21/2011
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/15/2011
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902561
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	06/17/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/20/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/26/2011
Action:	File review
Global Id:	T0605902561
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	10/07/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	10/28/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	10/29/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	12/21/2009

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	11/23/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	12/22/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	06/03/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	07/08/2010
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	09/16/2008
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	03/25/2010
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	02/23/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	12/29/2008
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/07/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/16/2010
Action:	Meeting
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	10/26/2011
Action:	Meeting

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 05/12/2011
 Action: Site Visit / Inspection / Sampling

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 05/26/2011
 Action: Staff Letter

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 07/01/2009
 Action: Staff Letter

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 07/08/2009
 Action: Staff Letter

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 07/15/2009
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 05/03/2010
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 02/10/2011
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 05/23/2011
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 06/07/2011
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 05/02/2011
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 01/20/2011
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Date: 05/05/2011
 Action: Staff Letter

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 04/26/2011
 Action: Site Visit / Inspection / Sampling

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 05/10/2011
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 10/07/2011
 Action: Staff Letter

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 04/28/2011
 Action: File review

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 08/26/2004
 Action: Staff Letter

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 09/28/2005
 Action: Staff Letter

Global Id: T0605902561
 Action Type: ENFORCEMENT
 Date: 05/26/2009
 Action: File review

ORANGE CO. LUST:

Region: ORANGE
 Facility Id: 85UT125
 Current Status: Certification (Case Closed)
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: 10/04/1995
 Case Type: Other Ground Water
 Record ID: RO0001090

Region: ORANGE
 Facility Id: 98UT066
 Current Status: 5C
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: Not reported
 Case Type: Other Ground Water
 Record ID: RO0002675

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

LUST REG 9:

Region: 9
 Status: Case Closed
 Case Number: 9UT448
 Local Case: 85UT125
 Substance: Gasoline
 Qty Leaked: Not reported
 Abate Method: EDVE
 Local Agency: Orange
 How Found: Tank Closure
 How Stopped: Not reported
 Source: Tank
 Cause: Corrosion
 Lead Agency: Local Agency
 Case Type: Aquifer affected
 Date Found: 12/11/1985
 Date Stopped: / /
 Confirm Date: / /
 Submit Workplan: 12/23/85
 Prelim Assess: 03/05/1986
 Desc Pollution: 6/14/90
 Remed Plan: 04/22/1992
 Remed Action: 2/1/93
 Began Monitor: Not reported
 Release Date: 12/11/1985
 Enforce Date: 7/18/91
 Closed Date: 10/6/95
 Enforce Type: SEL
 Pilot Program: LOP
 Basin Number: 901.28
 GW Depth: 6'
 Beneficial Use: Municipal groundwater use
 NPDES Number: Not reported
 Priority: Not reported
 File Dispn: File discarded, case closed
 Interim Remedial Actions: Yes
 Cleanup and Abatement order Number: Not reported
 Waste Discharge Requirement Number: Not reported

HAZNET:

Year: 2001
 Gepaid: CAL000046553
 Contact: CHRISTOPHER Z HILL
 Telephone: 7144286802
 Mailing Name: Not reported
 Mailing Address: PO BOX 25376
 Mailing City, St, Zip: SANTA ANA, CA 927995376
 Gen County: Orange
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Unspecified aqueous solution
 Disposal Method: H01
 Tons: 0.41
 Facility County: Not reported
 Year: 1995

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Gepaid: CAL000046553
 Contact: UNION OIL COMPANY OF CALIFORNI
 Telephone: 7144286560
 Mailing Name: Not reported
 Mailing Address: PO BOX 25376
 Mailing City,St,Zip: SANTA ANA, CA 927995376
 Gen County: Orange
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: H01
 Tons: .2085
 Facility County: Orange

Year: 1995
 Gepaid: CAL000046553
 Contact: UNION OIL COMPANY OF CALIFORNI
 Telephone: 7144286560
 Mailing Name: Not reported
 Mailing Address: PO BOX 25376
 Mailing City,St,Zip: SANTA ANA, CA 927995376
 Gen County: Orange
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Other organic solids
 Disposal Method: H01
 Tons: .0350
 Facility County: Orange

Year: 1993
 Gepaid: CAL000046553
 Contact: UNION OIL COMPANY OF CALIFORNI
 Telephone: 7144286560
 Mailing Name: Not reported
 Mailing Address: PO BOX 25376
 Mailing City,St,Zip: SANTA ANA, CA 927995376
 Gen County: Orange
 TSD EPA ID: CAD099452708
 TSD County: Los Angeles
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: R01
 Tons: .3127
 Facility County: Orange

7

CIRCLE K STORES INC STATION #5676
27164 ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675

CA LUST S103472038
CA HAZNET N/A

LUST REG 9:

Region: 9
 Status: Preliminary site assessment workplan submitted
 Case Number: 9UT3719
 Local Case: 98UT66
 Substance: Gasoline
 Qty Leaked: Not reported
 Abate Method: Not reported
 Local Agency: Orange
 How Found: Other Means

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CIRCLE K STORES INC STATION #5676 (Continued)

S103472038

How Stopped: Not reported
 Source: Unknown
 Cause: Unknown
 Lead Agency: Local Agency
 Case Type: Soil only
 Date Found: 07/15/1998
 Date Stopped: / /
 Confirm Date: / /
 Submit Workplan: 9/15/98
 Prelim Assess: / /
 Desc Pollution: Not reported
 Remed Plan: / /
 Remed Action: Not reported
 Began Monitor: Not reported
 Release Date: 09/15/1998
 Enforce Date: Not reported
 Closed Date: Not reported
 Enforce Type: Not reported
 Pilot Program: LOP
 Basin Number: 901.28
 GW Depth: Not reported
 Beneficial Use: MUNBU
 NPDES Number: Not reported
 Priority: 2A
 File Dispn: Administratively opened on database, however no file physically exists
 Interim Remedial Actions: Not reported
 Cleanup and Abatement order Number: Not reported
 Waste Discharge Requirement Number: Not reported

HAZNET:

Year: 2009
 Gepaid: CAL000276954
 Contact: DANELLE EICHHORST
 Telephone: 2812933723
 Mailing Name: Not reported
 Mailing Address: 600 N DAIRY ASHFORD -US MARKETING -
 Mailing City,St,Zip: HOUSTON, TX 77079
 Gen County: Orange
 TSD EPA ID: CAD982444481
 TSD County: San Bernardino
 Waste Category: Other organic solids
 Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY
 (H010-H129) OR (H131-H135)
 Tons: 3.9
 Facility County: Orange

Year: 2009
 Gepaid: CAL000276954
 Contact: DANELLE EICHHORST
 Telephone: 2812933723
 Mailing Name: Not reported
 Mailing Address: 600 N DAIRY ASHFORD -US MARKETING -
 Mailing City,St,Zip: HOUSTON, TX 77079
 Gen County: Orange
 TSD EPA ID: CAD982444481
 TSD County: San Bernardino
 Waste Category: Aqueous solution with total organic residues less than 10 percent

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CIRCLE K STORES INC STATION #5676 (Continued)

S103472038

Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY
 (H010-H129) OR (H131-H135)

Tons: 0.231

Facility County: Orange

Year: 2008

Gepaid: CAL000276954

Contact: DANELLE EICHHORST

Telephone: 2812933723

Mailing Name: Not reported

Mailing Address: 600 N DAIRY ASHFORD -US MARKETING -

Mailing City,St,Zip: HOUSTON, TX 77079

Gen County: Orange

TSD EPA ID: CAD982444481

TSD County: San Bernardino

Waste Category: Other organic solids

Disposal Method: OTHER TREATMENT

Tons: 0.05

Facility County: Orange

Year: 2007

Gepaid: CAL000276954

Contact: DANELLE EICHHORST

Telephone: 2812933723

Mailing Name: Not reported

Mailing Address: 600 N DAIRY ASHFORD -US MARKETING -

Mailing City,St,Zip: HOUSTON, TX 77079

Gen County: Orange

TSD EPA ID: CAD982444481

TSD County: San Bernardino

Waste Category: Aqueous solution with total organic residues less than 10 percent

Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY
 (H010-H129) OR (H131-H135)

Tons: 0.1

Facility County: Orange

Year: 2005

Gepaid: CAL000169292

Contact: HAZMAT SPECIALIST

Telephone: 6027284180

Mailing Name: Not reported

Mailing Address: PO BOX 52085

Mailing City,St,Zip: PHOENIX, AZ 850722085

Gen County: Orange

TSD EPA ID: CAD980884183

TSD County: Sacramento

Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)

Disposal Method: H01

Tons: 0.08

Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 1 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

7 SHELL SERVICE STATION
 27101 ORTEGA
 SAN JUAN CAPISTRANO, CA 92675

CA HIST CORTESE
 CA LUST
 CA ENF
 CA HAZNET

S102437361
 N/A

CORTESE:

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 9UT490

LUST:

Region: STATE
 Global Id: T0605902592
 Latitude: 33.502976512
 Longitude: -117.657741
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 06/12/2006
 Lead Agency: ORANGE COUNTY LOP
 Case Worker: SK
 Local Agency: ORANGE COUNTY LOP
 RB Case Number: 9UT490
 LOC Case Number: 86UT062
 File Location: Local Agency
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0605902592
 Contact Type: Local Agency Caseworker
 Contact Name: SHYAMALA KALYANASUNDARAM
 Organization Name: ORANGE COUNTY LOP
 Address: 1241 E. DYER ROAD SUITE 120
 City: SANTA ANA
 Email: ssundaram@ochca.com
 Phone Number: 7144336262

Global Id: T0605902592
 Contact Type: Regional Board Caseworker
 Contact Name: UNASSIGNED
 Organization Name: SAN DIEGO RWQCB (REGION 9)
 Address: 9174 SKY PARK COURT, SUITE 100
 City: SAN DIEGO
 Email: Not reported
 Phone Number: Not reported

LUST:

Global Id: T0605902592
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0605902592
 Action Type: REMEDIATION
 Date: 01/01/1950

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SERVICE STATION (Continued)

S102437361

Action: Vent soil

Global Id: T0605902592
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Vent soil

Global Id: T0605902592
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Pump and Treat Groundwater

Global Id: T0605902592
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Dual Phase Extraction

Global Id: T0605902592
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0605902592
 Action Type: ENFORCEMENT
 Date: 03/04/2004
 Action: Staff Letter

Global Id: T0605902592
 Action Type: ENFORCEMENT
 Date: 05/26/2005
 Action: Staff Letter

Global Id: T0605902592
 Action Type: ENFORCEMENT
 Date: 06/12/2006
 Action: Closure/No Further Action Letter

Global Id: T0605902592
 Action Type: ENFORCEMENT
 Date: 01/03/2006
 Action: Staff Letter

ORANGE CO. LUST:

Region: ORANGE
 Facility Id: 86UT062
 Current Status: Certification (Case Closed)
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: 06/12/2006
 Case Type: Other Ground Water
 Record ID: RO0002310

LUST REG 9:

Region: 9
 Status: Remedial action (cleanup) Underway
 Case Number: 9UT490

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SERVICE STATION (Continued)

S102437361

Local Case: 86UT62
 Substance: Gasoline
 Qty Leaked: Not reported
 Abate Method: FPEDVE
 Local Agency: Orange
 How Found: Tank Closure
 How Stopped: New Tank
 Source: Tank
 Cause: Overfill
 Lead Agency: Local Agency
 Case Type: Aquifer affected
 Date Found: 05/01/1986
 Date Stopped: 05/01/1986
 Confirm Date: / /
 Submit Workplan: Not reported
 Prelim Assess: 03/11/1987
 Desc Pollution: Not reported
 Remed Plan: 09/18/1987
 Remed Action: 1/29/93
 Began Monitor: Not reported
 Release Date: 05/23/1986
 Enforce Date: 8/18/87
 Closed Date: Not reported
 Enforce Type: Cleanup and Abatement Orders
 Pilot Program: LOP
 Basin Number: 901.28
 GW Depth: 35'
 Beneficial Use: Municipal groundwater use
 NPDES Number: Not reported
 Priority: Not reported
 File Dispn: Not reported
 Interim Remedial Actions: Yes
 Cleanup and Abatement order Number: 87-123
 Waste Discharge Requirement Number: Not reported

ENF:

Region: 9
 Facility Id: 256716
 Agency Name: Shell Oil Company - Anaheim
 Place Type: Facility
 Place Subtype: Not reported
 Facility Type: All other facilities
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: Not reported
 Place Longitude: Not reported
 SIC Code 1: 5541
 SIC Desc 1: Gasoline Service Stations
 SIC Code 2: Not reported
 SIC Desc 2: Not reported
 SIC Code 3: Not reported
 SIC Desc 3: Not reported
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported
 NAICS Code 2: Not reported
 NAICS Desc 2: Not reported
 NAICS Code 3: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	9 000209N87
Reg Measure Id:	160981
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220635
Region:	9
Order / Resolution Number:	LT870818
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	08/18/1987
Adoption/Issuance Date:	Not reported
Achieve Date:	5/9/1996
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000209N87
Description:	UNKNOWN
Program:	TANKS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SERVICE STATION (Continued)

S102437361

Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	9
Facility Id:	256716
Agency Name:	Shell Oil Company - Anaheim
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	9 000209N87
Reg Measure Id:	160981
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SERVICE STATION (Continued)

S102437361

Termination Date: Not reported
 WDR Review - Amend: Not reported
 WDR Review - Revise/Renew: Not reported
 WDR Review - Rescind: Not reported
 WDR Review - No Action Required: Not reported
 WDR Review - Pending: Not reported
 WDR Review - Planned: Not reported
 Status Enrollee: N
 Individual/General: Not reported
 Fee Code: Not reported
 Direction/Voice: Passive
 Enforcement Id(EID): 220341
 Region: 9
 Order / Resolution Number: 96-043
 Enforcement Action Type: Clean-up and Abatement Order
 Effective Date: 06/13/1996
 Adoption/Issuance Date: Not reported
 Achieve Date: 6/13/1996
 Termination Date: Not reported
 ACL Issuance Date: Not reported
 EPL Issuance Date: Not reported
 Status: Historical
 Title: Enforcement - 9 000209N87
 Description: UNKNOWN
 Program: TANKS
 Latest Milestone Completion Date: Not reported
 # Of Programs1: 1
 Total Assessment Amount: 0
 Initial Assessed Amount: 0
 Liability \$ Amount: 0
 Project \$ Amount: 0
 Liability \$ Paid: 0
 Project \$ Completed: 0
 Total \$ Paid/Completed Amount: 0

HAZNET:

Year: 2010
 Gepaid: CAR000104190
 Contact: J. Traylor/ENV REPORTING ANALYST
 Telephone: 7132416992
 Mailing Name: Not reported
 Mailing Address: PO Box 3127
 Mailing City,St,Zip: HOUSTON, TX 772530000
 Gen County: Not reported
 TSD EPA ID: CAT000646117
 TSD County: Not reported
 Waste Category: Unspecified sludge waste
 Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
 Tons: 0.22935
 Facility County: Orange

Year: 2010
 Gepaid: CAR000104190
 Contact: J. Traylor/ENV REPORTING ANALYST
 Telephone: 7132416992
 Mailing Name: Not reported

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)	Site	Database(s) EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

Mailing Address: PO Box 3127
Mailing City, St, Zip: HOUSTON, TX 772530000
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons: 0.017
Facility County: Orange

7	LOS CERRITOS RANCH 31642 AVENIDA LOS CERRITOS SAN JUAN CAPISTRANO, CA 92675	CA LUST	S105034725 N/A
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7	ROMARCO REALTY CORP 31642 AVE LOS CERRITOS SAN JUAN CAPISTRANO, CA 92673	CA LUST	S102436009 N/A
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LUST:

Region: STATE
Global Id: T0605902460
Latitude: 33.50354
Longitude: -117.656912
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/19/1994
Lead Agency: ORANGE COUNTY LOP
Case Worker: SK
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT2116
LOC Case Number: 92UT041
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0605902460
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA KALYANASUNDARAM
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: ssundaram@ochca.com
Phone Number: 7144336262

LUST:

Global Id: T0605902460
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ROMARCO REALTY CORP (Continued)

S102436009

Global Id: T0605902460
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

ORANGE CO. LUST:

Region: ORANGE
 Facility Id: 92UT041
 Current Status: Certification (Case Closed)
 Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
 Date Closed: 09/19/1994
 Case Type: Soil Only
 Record ID: RO0001925

Region: ORANGE
 Facility Id: 92UT041
 Current Status: Not reported
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: 09/19/1994
 Case Type: Not reported
 Record ID: RO0001925

7

**LOS CERRITOS RANCH
 31642 AVENIDA LOS CERRITOS
 SAN JUAN CAPISTRANO, CA 92675**

**CA HIST CORTESE U001577812
 CA HIST UST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 9UT2116

HIST UST:

Region: STATE
 Facility ID: 00000037673
 Facility Type: Other
 Other Type: FARM
 Total Tanks: 0006
 Contact Name: RAY HERNANDEZ
 Telephone: 7144931627
 Owner Name: ROBERT B. HONEYMAN
 Owner Address: 31642 AVENIDA LOS CERRITOS
 Owner City,St,Zip: SAN JUAN CAPISTRANO, CA 92675

Tank Num: 001
 Container Num: 1
 Year Installed: 1945
 Tank Capacity: 00060000
 Tank Used for: Not reported
 Type of Fuel: Not reported
 Tank Construction: Not reported
 Leak Detection: Visual

Tank Num: 002
 Container Num: 2
 Year Installed: 1975

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LOS CERRITOS RANCH (Continued)

U001577812

Tank Capacity: 00003000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Visual

Tank Num: 003
 Container Num: 3
 Year Installed: 1975
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor

Tank Num: 004
 Container Num: 4
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: Not reported
 Type of Fuel: Not reported
 Tank Construction: Not reported
 Leak Detection: Not reported

Tank Num: 005
 Container Num: 5
 Year Installed: 1975
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor

Tank Num: 006
 Container Num: 6
 Year Installed: 1975
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor

8

**SAN JUAN ELEMENTARY SCHOOL
 31642 EL CAMINO REAL
 SAN JUAN CAPISTRANO, CA 92675**

**CA SCH
 CA HAZNET
 CA ENVIROSTOR**

**S105088327
 N/A**

SCH:

Facility ID: 60000050
 Site Type: School Investigation
 Site Type Detail: School
 Site Mgmt. Req.: NONE SPECIFIED
 Acres: 8
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency: SMBRP
 Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
 Project Manager: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN JUAN ELEMENTARY SCHOOL (Continued)

S105088327

Supervisor: * Rafat Abbasi
 Division Branch: Southern California Schools & Brownfields Outreach
 Site Code: 404514
 Assembly: 73
 Senate: 38
 Special Program Status: Not reported
 Status: Inactive - Needs Evaluation
 Status Date: 01/03/2006
 Restricted Use: NO
 Funding: School District
 Latitude: 33.5039
 Longitude: -117.6615
 APN: NONE SPECIFIED
 Past Use: * EDUCATIONAL SERVICES, AGRICULTURAL - ORCHARD, SCHOOL - ELEMENTARY
 Potential COC: 30001, 30004, 30006, 30007, 30008, 30013
 Confirmed COC: 30001-NO,30004-NO,30006-NO,30007-NO,30008-NO,30013-NO
 Potential Description: SOIL
 Alias Name: CAPISTRANO USD-SAN JUAN ELEMENTARY SCL
 Alias Type: Alternate Name
 Alias Name: 110021641829
 Alias Type: EPA (FRS #)
 Alias Name: 404514
 Alias Type: Project Code (Site Code)
 Alias Name: 60000050
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 12/27/2005
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 01/15/2004
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

HAZNET:

Year: 2000
 Gepaid: CAC002332409
 Contact: CAPISTRANO UNIFIED SCHOOL DIST
 Telephone: 9494897276
 Mailing Name: Not reported
 Mailing Address: 32972 CALLE PERFECTO
 Mailing City, St, Zip: SAN JUAN CAPISTRANO, CA 926750000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN JUAN ELEMENTARY SCHOOL (Continued)

S105088327

Gen County: Orange
 TSD EPA ID: AZC950823111
 TSD County: 99
 Waste Category: Asbestos containing waste
 Disposal Method: Not reported
 Tons: .8428
 Facility County: Orange

ENVIROSTOR:

Site Type: School Investigation
 Site Type Detailed: School
 Acres: 8
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: * Rafat Abbasi
 Division Branch: Southern California Schools & Brownfields Outreach
 Facility ID: 60000050
 Site Code: 404514
 Assembly: 73
 Senate: 38
 Special Program: Not reported
 Status: Inactive - Needs Evaluation
 Status Date: 01/03/2006
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: School District
 Latitude: 33.5039
 Longitude: -117.6615
 APN: NONE SPECIFIED
 Past Use: * EDUCATIONAL SERVICES, AGRICULTURAL - ORCHARD, SCHOOL - ELEMENTARY
 Potential COC: 30001, 30004, 30006, 30007, 30008, 30013
 Confirmed COC: 30001-NO,30004-NO,30006-NO,30007-NO,30008-NO,30013-NO
 Potential Description: SOIL
 Alias Name: CAPISTRANO USD-SAN JUAN ELEMENTARY SCL
 Alias Type: Alternate Name
 Alias Name: 110021641829
 Alias Type: EPA (FRS #)
 Alias Name: 404514
 Alias Type: Project Code (Site Code)
 Alias Name: 60000050
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 12/27/2005
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 01/15/2004
 Comments: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN JUAN ELEMENTARY SCHOOL (Continued)

S105088327

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

9

**FORSTER CANYON LANDFILL
 LA NOVIA & SAN JUAN CREEK RD.
 SAN JUAN CAPISTRANO, CA**

CA SWF/LF

**S102361458
 N/A**

SWF/LF (SWIS):
 Region: STATE
 Facility ID: 30-AB-0366
 Lat/Long: 33.5013500 / -117.64807
 Owner Name: Advanced Group 99-S-J
 Owner Telephone: 7145571998
 Owner Address: Not reported
 Owner Address2: 22974 El Toro Road
 Owner City,St,Zip: Lake Forest, CA 92630
 Operator: OC Waste and Recycling
 Operator Phone: 7148344000
 Operator Address: Not reported
 Operator Address2: 300 N Flower Street, Suite 400
 Operator City,St,Zip: Santa Ana, CA 92703
 Operator's Status: Closed
 Permit Date: Not reported
 Permit Status: Not reported
 Permitted Acreage: 0
 Activity: Solid Waste Disposal Site
 Regulation Status: Pre-regulations
 Landuse Name: Residential
 GIS Source: GPS
 Category: Disposal
 Unit Number: 01
 Inspection Frequency: Quarterly
 Accepted Waste: Not reported
 Closure Date: 01/01/1980
 Closure Type: Actual
 Disposal Acreage: 0
 SWIS Num: 30-AB-0366
 Waste Discharge Requirement Num: Not reported
 Program Type: Not reported
 Permitted Throughput with Units: 0
 Actual Throughput with Units: Not reported
 Permitted Capacity with Units: 0
 Remaining Capacity: 0
 Remaining Capacity with Units: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**9 FORSTER CANYON LANDFILL STN 17
 FORSTER CANYON ROAD
 SAN JUAN CAPISTRANO ,CA, CA**

**CA WMUDS/SWAT S103442727
 N/A**

WMUDS/SWAT:

Edit Date: Not reported
 Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
 Primary Waste: Solid Wastes
 Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Base Meridian: Not reported
 NPID: Not reported
 Tonnage: 0
 Regional Board ID: Not reported
 Municipal Solid Waste: False
 Superorder: False
 Open To Public: False
 Waste List: False
 Agency Type: Private
 Agency Name: CAPISTRANO ASCOT DEVELOPMENT
 Agency Department: INTEGRATED WASTE MANAGEMENT
 Agency Address: 55 WEST MONROE STE 1500
 Agency City,St,Zip: CHICAGO ,IL 60603
 Agency Contact: MR. MICHAEL F. SEXTON
 Agency Telephone: 3123725600
 Land Owner Name: SAN JUAN CREEK ASSOCIATES
 Land Owner Address: 2300 MICHALSON, SUITE 800
 Land Owner City,St,Zip: IRVINE, CA 92714
 Land Owner Contact: MR. RAY POULTER
 Land Owner Phone: Not reported
 Region: 9
 Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
 Facility Description: Not reported
 Facility Telephone: Not reported
 SWAT Facility Name: Not reported
 Primary SIC: 9511
 Secondary SIC: Not reported
 Comments: Not reported
 Last Facility Editors: Not reported
 Waste Discharge System: True
 Solid Waste Assessment Test Program: True
 Toxic Pits Cleanup Act Program: False
 Resource Conservation Recovery Act: False
 Department of Defence: False
 Solid Waste Assessment Test Program: COUNTY OF ORANGE
 Threat to Water Quality: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)	Site	Database(s) EPA ID Number

FORSTER CANYON LANDFILL STN 17 (Continued)

S103442727

Sub Chapter 15:	True
Regional Board Project Officer:	AMM
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	9 000036N90
Solid Waste Information ID:	Not reported

9

**SAN JUAN CAPISTRANO LANDFILL
NEAR SAN JUAN CREEK 300' N
SAN JUAN CAPISTRANO, CA**

CA WMUDS/SWAT

**S103442733
N/A**

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	ORANGE, COUNTY OF
Agency Department:	SOLID WASTE MANAGEMENT
Agency Address:	1300 SOUTH GRAND AVENUE
Agency City,St,Zip:	SANTA ANA 92705
Agency Contact:	FRANK BOWERMAN, DIRECTOR
Agency Telephone:	Not reported
Land Owner Name:	UNKNOWN
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	ORANGE, COUNTY OF
Threat to Water Quality:	Not reported
Sub Chapter 15:	False

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN JUAN CAPISTRANO LANDFILL (Continued)

S103442733

Regional Board Project Officer: MA
 Number of WMUDS at Facility: 1
 Section Range: Not reported
 RCRA Facility: Not reported
 Waste Discharge Requirements: Not reported
 Self-Monitoring Rept. Frequency: Not reported
 Waste Discharge System ID: 9 300005NUR
 Solid Waste Information ID: Not reported

10

**SOLAG DISPOSAL
 31731 PASEO ADELANTO
 SAN JUAN CAPISTRA, CA 92675**

**CA HIST CORTESE
 CA VCP
 CA ENVIROSTOR**

**S104241827
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 9UT3568

VCP:

Facility ID: 30990002
 Site Type: Voluntary Cleanup
 Site Type Detail: Voluntary Cleanup
 Site Mgmt. Req.: NONE SPECIFIED
 Acres: 1.83
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency: NONE SPECIFIED
 Lead Agency Description: Not reported
 Project Manager: JOHNSON ABRAHAM
 Supervisor: Emad Yemut
 Division Branch: Cleanup Cypress
 Site Code: 400786
 Assembly: 73
 Senate: 38
 Special Programs Code: Voluntary Cleanup Program
 Status: No Further Action
 Status Date: 05/02/2001
 Restricted Use: NO
 Funding: Responsible Party
 Lat/Long: 33.49715 / -117.6784
 APN: NONE SPECIFIED
 Past Use: FUEL - VEHICLE STORAGE/ REFUELING, JUNKYARD
 Potential COC: 30001, 30005, 30013, 30019, 30080
 Confirmed COC: 30019-NO,30080-NO,30001-NO,30005-NO,30013
 Potential Description: OTH, SOIL
 Alias Name: SOLAG DISPOSAL SITE
 Alias Type: Alternate Name
 Alias Name: 110033606060
 Alias Type: EPA (FRS #)
 Alias Name: 400786
 Alias Type: Project Code (Site Code)
 Alias Name: 30990002
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SOLAG DISPOSAL (Continued)

S104241827

Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 01/13/2000
 Comments: DTSC entered into a Voluntary Cleanup Agreement with Solag Disposal for the review and comment on the results of previous investigations that were conducted without DTSC oversight.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 05/02/2001
 Comments: The PEA Report was approved. DTSC recommended that the monitoring wells constructed on-site should be properly abandoned.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Workplan
 Completed Date: 09/29/2000
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 1.83
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: NONE SPECIFIED
 Program Manager: JOHNSON ABRAHAM
 Supervisor: Emad Yemut
 Division Branch: Cleanup Cypress
 Facility ID: 30990002
 Site Code: 400786
 Assembly: 73
 Senate: 38
 Special Program: Voluntary Cleanup Program
 Status: No Further Action
 Status Date: 05/02/2001
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 33.49715
 Longitude: -117.6784
 APN: NONE SPECIFIED
 Past Use: FUEL - VEHICLE STORAGE/ REFUELING, JUNKYARD
 Potential COC: 30001, 30005, 30013, 30019, 30080
 Confirmed COC: 30019-NO,30080-NO,30001-NO,30005-NO,30013
 Potential Description: OTH, SOIL
 Alias Name: SOLAG DISPOSAL SITE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SOLAG DISPOSAL (Continued)

S104241827

Alias Type:	Alternate Name
Alias Name:	110033606060
Alias Type:	EPA (FRS #)
Alias Name:	400786
Alias Type:	Project Code (Site Code)
Alias Name:	30990002
Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	01/13/2000
Comments:	DTSC entered into a Voluntary Cleanup Agreement with Solag Disposal for the review and comment on the results of previous investigations that were conducted without DTSC oversight.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/02/2001
Comments:	The PEA Report was approved. DTSC recommended that the monitoring wells constructed on-site should be properly abandoned.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	09/29/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

11

**IMPACT BEARING
 1291 PUERTO DEL SOL
 SAN CLEMENTE, CA 92673**

**RCRA-SQG 1007264049
 CA HAZNET CAR000152074**

RCRA-SQG:
 Date form received by agency: 03/15/2004
 Facility name: IMPACT BEARING
 Facility address: 1291 PUERTO DEL SOL
 SAN CLEMENTE, CA 92673
 EPA ID: CAR000152074
 Contact: RICHARD D KAY
 Contact address: 1291 PUERTO DEL SOL
 SAN CLEMENTE, CA 92673
 Contact country: US
 Contact telephone: 949-361-5356
 Contact email: RICHARDKAY@SBCGLOBAL.NET
 EPA Region: 09
 Classification: Small Small Quantity Generator

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

IMPACT BEARING (Continued)

1007264049

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SANDY WHITE
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 03/02/2004
 Owner/Op end date: Not reported

Owner/operator name: RICHARD KAY
 Owner/operator address: 1291 PUERTO DEL SOL
 SAN CLEMENTE, CA 92673
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 03/02/2004
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

IMPACT BEARING (Continued)

1007264049

HAZNET:

Year: 2010
 Gepaid: CAR000152074
 Contact: RICHARD D KAY
 Telephone: 9494882922
 Mailing Name: Not reported
 Mailing Address: 1291 PUERTA DEL SOL
 Mailing City,St,Zip: SAN CLEMENTE, CA 926736310
 Gen County: Not reported
 TSD EPA ID: CAD008364432
 TSD County: Not reported
 Waste Category: Not reported
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.45036
 Facility County: Orange

Year: 2010
 Gepaid: CAR000152074
 Contact: RICHARD D KAY
 Telephone: 9494882922
 Mailing Name: Not reported
 Mailing Address: 1291 PUERTA DEL SOL
 Mailing City,St,Zip: SAN CLEMENTE, CA 926736310
 Gen County: Not reported
 TSD EPA ID: CAD008364432
 TSD County: Not reported
 Waste Category: Not reported
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.68805
 Facility County: Orange

Year: 2010
 Gepaid: CAR000152074
 Contact: RICHARD D KAY
 Telephone: 9494882922
 Mailing Name: Not reported
 Mailing Address: 1291 PUERTA DEL SOL
 Mailing City,St,Zip: SAN CLEMENTE, CA 926736310
 Gen County: Not reported
 TSD EPA ID: CAD008364432
 TSD County: Not reported
 Waste Category: Not reported
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.68805
 Facility County: Orange

Year: 2009
 Gepaid: CAR000152074
 Contact: RICHARD D KAY
 Telephone: 9493615356
 Mailing Name: Not reported
 Mailing Address: 1291 PUERTA DEL SOL
 Mailing City,St,Zip: SAN CLEMENTE, CA 926736310
 Gen County: Orange
 TSD EPA ID: CAD008364432
 TSD County: Los Angeles
 Waste Category: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

IMPACT BEARING (Continued)

1007264049

Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.9174
 Facility County: Orange

Year: 2009
 Gepaid: CAR000152074
 Contact: RICHARD D KAY
 Telephone: 9493615356
 Mailing Name: Not reported
 Mailing Address: 1291 PUERTA DEL SOL
 Mailing City,St,Zip: SAN CLEMENTE, CA 926736310
 Gen County: Orange
 TSD EPA ID: CAD008364432
 TSD County: Los Angeles
 Waste Category: Unspecified solvent mixture
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 1.134
 Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access
 3 additional CA_HAZNET: record(s) in the EDR Site Report.

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FLAVOR INFUSION, LLC
1324 CALLE AVANZADO
SAN CLEMENTE, CA 92673

RCRA-LQG 1008372164
CA HAZNET CAR000163774

RCRA-LQG:

Date form received by agency: 03/03/2010
 Facility name: FLAVOR INFUSION, LLC
 Facility address: 1324 CALLE AVANZADO
 SAN CLEMENTE, CA 92673

EPA ID: CAR000163774
 Mailing address: CALLE AVANZADO
 SAN CLEMENTE, CA 92673

Contact: STEVE KLEHR
 Contact address: CALLE AVANZADO
 SAN CLEMENTE, CA 92673

Contact country: Not reported
 Contact telephone: (949) 276-4600
 Telephone ext.: 222
 Contact email: SKLEHR@FLAVORINFUSION.COM

EPA Region: 09
 Classification: Large Quantity Generator
 Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FLAVOR INFUSION, LLC (Continued)

1008372164

Owner/operator name: FLAVOR INFUSION LLC
 Owner/operator address: 332 FOREST AVE STE 19
 LAGUNA BEACH, CA 92651
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 02/02/2004
 Owner/Op end date: Not reported

Owner/operator name: FLAVOR INFUSION, LLC
 Owner/operator address: CALLE AVANZADO
 SAN CLEMENTE, CA 92673
 Owner/operator country: Not reported
 Owner/operator telephone: (949) 276-4600
 Legal status: Municipal
 Owner/Operator Type: Owner
 Owner/Op start date: 06/10/2005
 Owner/Op end date: Not reported

Owner/operator name: FLAVOR INFUSION, LLC
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: Not reported
 Owner/operator telephone: Not reported
 Legal status: Municipal
 Owner/Operator Type: Operator
 Owner/Op start date: 02/02/2004
 Owner/Op end date: Not reported

Owner/operator name: FLAVOR INFUSION LLC
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Municipal
 Owner/Operator Type: Operator
 Owner/Op start date: 06/10/2005
 Owner/Op end date: Not reported

Owner/operator name: STEVE KLEHR
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 09/12/2005
 Owner/Op end date: Not reported

Owner/operator name: DAN DECLARK
 Owner/operator address: 332 FOREST AVE, SUITE 19
 LAGUNA BEACH, CA 92651
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FLAVOR INFUSION, LLC (Continued)

1008372164

Owner/Op start date: 01/01/2005
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 08/26/2008
 Facility name: FLAVOR INFUSION, LLC
 Site name: FLAVOR INFUSION
 Classification: Large Quantity Generator

Date form received by agency: 07/13/2005
 Facility name: FLAVOR INFUSION, LLC
 Site name: FLAVOR INFUSION LLC
 Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FLAVOR INFUSION, LLC (Continued)

1008372164

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
 Amount (Lbs): 24402.8

Violation Status: No violations found

HAZNET:

Year: 2010
 Gepaid: CAR000163774
 Contact: MATT PULSKAMP/DIR. OF MFG
 Telephone: 9492764600
 Mailing Name: Not reported
 Mailing Address: 1324 CALLE AVANZADO
 Mailing City,St,Zip: SAN CLEMENTE, CA 926730000
 Gen County: Not reported
 TSD EPA ID: CAD008252405
 TSD County: Not reported
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.0495
 Facility County: Orange

Year: 2010
 Gepaid: CAR000163774
 Contact: MATT PULSKAMP/DIR. OF MFG
 Telephone: 9492764600
 Mailing Name: Not reported
 Mailing Address: 1324 CALLE AVANZADO
 Mailing City,St,Zip: SAN CLEMENTE, CA 926730000
 Gen County: Not reported
 TSD EPA ID: CAD008252405
 TSD County: Not reported
 Waste Category: Unspecified aqueous solution
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.231
 Facility County: Orange

Year: 2010
 Gepaid: CAR000163774
 Contact: MATT PULSKAMP/DIR. OF MFG
 Telephone: 9492764600
 Mailing Name: Not reported
 Mailing Address: 1324 CALLE AVANZADO

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FLAVOR INFUSION, LLC (Continued)

1008372164

Mailing City,St,Zip: SAN CLEMENTE, CA 926730000
 Gen County: Not reported
 TSD EPA ID: CAD008252405
 TSD County: Not reported
 Waste Category: Unspecified solvent mixture
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 4.86
 Facility County: Orange

Year: 2010
 Gepaid: CAR000163774
 Contact: MATT PULSKAMP/DIR. OF MFG
 Telephone: 9492764600
 Mailing Name: Not reported
 Mailing Address: 1324 CALLE AVANZADO
 Mailing City,St,Zip: SAN CLEMENTE, CA 926730000
 Gen County: Not reported
 TSD EPA ID: CAD008252405
 TSD County: Not reported
 Waste Category: Unspecified solvent mixture
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 2.772
 Facility County: Orange

Year: 2009
 Gepaid: CAR000163774
 Contact: STEVE KLEHR/DIRECTOR OF OPTNS
 Telephone: 9492764600
 Mailing Name: Not reported
 Mailing Address: 1324 CALLE AVANZADO
 Mailing City,St,Zip: SAN CLEMENTE, CA 926730000
 Gen County: Orange
 TSD EPA ID: CAD008302903
 TSD County: Los Angeles
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 2.618
 Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access
 8 additional CA_HAZNET: record(s) in the EDR Site Report.

13

**TRW - CAPISTRANO TEST SITE
 33000 AVENIDA PICO
 SAN CLEMENTE, CA 92672**

**CA WDS
 CA HIST UST
 CA CHMIRS**

**U001577787
 N/A**

CA WDS:
 Facility ID: San Diego 000000034
 Facility Type: Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: Not reported
 Subregion: 9
 Facility Telephone: 9493617106

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW - CAPISTRANO TEST SITE (Continued)

U001577787

Facility Contact: RICK ASHER
 Agency Name: NGST
 Agency Address: PO BOX 10
 Agency City,St,Zip: SAN CLEMENTE 926740010
 Agency Contact: RICK ASHER
 Agency Telephone: 9493617106
 Agency Type: Private
 SIC Code: 8734
 SIC Code 2: Not reported
 Primary Waste: Domestic Sewage
 Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: No reclamation requirements associated with this facility.
 POTW: The facility is not a POTW.
 Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
 Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

HIST UST:

Region: STATE
 Facility ID: 00000037708
 Facility Type: Other
 Other Type: AEROSPACE
 Total Tanks: 0002
 Contact Name: F.R. GARBARINE
 Telephone: 7144924157
 Owner Name: TRW ELECTRONICS & DEFENSE
 Owner Address: ONE SPACE PARK
 Owner City,St,Zip: REDONDO BEACH, CA 90278

Tank Num: 001
 Container Num: #1
 Year Installed: Not reported
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: #2
 Year Installed: Not reported
 Tank Capacity: 00002000
 Tank Used for: PRODUCT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRW - CAPISTRANO TEST SITE (Continued)

U001577787

Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: None

CHMIRS:

OES Incident Number: 99-3632
 OES notification: 8/29/199911:00:16 AM
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agency Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported
 Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: No
 Waterway: Not reported
 Spill Site: Not reported
 Cleanup By: Unknown
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Not reported
 Other: Not reported
 Date/Time: Not reported
 Year: 1999
 Agency: Orange Co SO
 Incident Date: 8/29/199912:00:00 AM
 Admin Agency: San Clemente Fire Department
 Amount: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW - CAPISTRANO TEST SITE (Continued)

U001577787

Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Peroxide solution w/water
Quantity Released:	Not reported
BBLs:	0
Cups:	0
CUFT:	0
Gallons:	300
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	A explosion in a container of the solution, unknown cause.
OES Incident Number:	03-0883
OES notification:	2/15/200312:04:19 PM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW - CAPISTRANO TEST SITE (Continued)

U001577787

Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Northrop Grumman
Incident Date:	2/14/200312:00:00 AM
Admin Agency:	San Clemente Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Hydrogen Peroxide 50%
Quantity Released:	Not reported
BBLs:	0
Cups:	0
CUFT:	0
Gallons:	0.000000
Grams:	0
Pounds:	665
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Peroxide spilled into a secondary tank and the substance was released through an open valve.
OES Incident Number:	01-2537
OES notification:	5/1/200103:21:07 PM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW - CAPISTRANO TEST SITE (Continued)

U001577787

Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agency Personnel # Of Decontaminated: Not reported
 Responding Agency Personnel # Of Injuries: Not reported
 Responding Agency Personnel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported
 Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: Yes
 Waterway: storm drain
 Spill Site: Not reported
 Cleanup By: Unknown
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Not reported
 Other: Not reported
 Date/Time: Not reported
 Year: 2001
 Agency: TRW
 Incident Date: 5/1/200112:00:00 AM
 Admin Agency: San Clemente Fire Department
 Amount: Not reported
 Contained: Unknown
 Site Type: Other
 E Date: Not reported
 Substance: Hydrogen Peroxide 10% solution
 Quantity Released: Not reported
 BBLS: 0
 Cups: 0
 CUFT: 0
 Gallons: 3300
 Grams: 0
 Pounds: 0
 Liters: 0
 Ounces: 0
 Pints: 0
 Quarts: 0
 Sheen: 0
 Tons: 0
 Unknown: 0.000000
 Evacuations: 0
 Number of Injuries: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW - CAPISTRANO TEST SITE (Continued)

U001577787

Number of Fatalities: 0
 Description: Employee opened wrong valve and released substance onto the ground.

OES Incident Number: 07-4993
 OES notification: 8/20/2007 10:51:32 PM
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agncy Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported
 Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: Not reported
 Waterway: Storm Drain
 Spill Site: Not reported
 Cleanup By: Unknown
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Not reported
 Other: Not reported
 Date/Time: Not reported
 Year: 2007
 Agency: Orange County Sheriff
 Incident Date: 8/20/2007 12:00:00 AM
 Admin Agency: San Clemente Fire Department
 Amount: Not reported
 Contained: No
 Site Type: Industrial Plant

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW - CAPISTRANO TEST SITE (Continued)

U001577787

E Date: Not reported
 Substance: Sewage
 Quantity Released: Not reported
 BBLS: 0
 Cups: 0
 CUFT: 0
 Gallons: 6000
 Grams: 0
 Pounds: 0
 Liters: 0
 Ounces: 0
 Pints: 0
 Quarts: 0
 Sheen: 0
 Tons: 0
 Unknown: 0
 Evacuations: 0
 Number of Injuries: 0
 Number of Fatalities: 0
 Description: 08/20/07 at 2145 hrs, sewage spill - no details.

13

**T R W CAPISTRANO TEST SITE
 33000 AVENIDA PICO
 SAN CLEMENTE, CA 92672**

CA FID UST

**U002096357
 N/A**

CA FID UST:
 Facility ID: 30017450
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 7143617052
 Mail To: Not reported
 Mailing Address: 33000 AVENIDA PICO
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN CLEMENTE 92672
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

13

**NORTHROP GRUMMAN CAPISTRANO TEST SITE - NORTHROP GRUMMAN CTS
 33000 AVENIDA PICO,
 SAN CLEMENTE, CA 92673**

**CA SLIC
 CA EMI**

**S105940122
 N/A**

SLIC:
 Region: STATE
 Facility Status: **Open - Site Assessment**
 Status Date: 12/21/2010
 Global Id: T10000002696
 Lead Agency: SAN DIEGO RWQCB (REGION 9)
 Lead Agency Case Number: Not reported
 Latitude: 33.4630063513127

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

NORTHROP GRUMMAN CAPISTRANO TEST SITE - NORTHROP GRUMMAN CTS (Continued)

S105940122

Longitude: -117.55006313324
 Case Type: Cleanup Program Site
 Case Worker: XY
 Local Agency: ORANGE COUNTY
 RB Case Number: Not reported
 File Location: Regional Board
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
 Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Freon, Polychlorinated biphenyls (PCBs), NDMA - N-Nitrosodimethylamine, Other inorganic / salt, Perchlorate, Chromium
 Site History: The Area of concern is located in the eastern portion of the Facility. Its operation includes a former surface impoundment/reservoir (43DT); A7 test stand, specifically the former location of several above ground pools located off the west end of the test stand; the hydrazine drum storage area; and concrete drainage swale. During historical investigations of Phase I (2005) and II (2006), the sub-areas u 43DT, A7 test stand, hydrazine drum storage area and concrete drainage swale were investigated respectively. Constituents of concerns include chlorinated solvents, NDMA, Hydrazine, Cr(VI), PCB, and Freon in soil (including soil gas) and/or groundwater.

[Click here to access the California GeoTracker records for this facility:](#)

EMI:

Year: 1987
 County Code: 30
 Air Basin: SC
 Facility ID: 779
 Air District Name: SC
 SIC Code: 8734
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 8
 Reactive Organic Gases Tons/Yr: 3
 Carbon Monoxide Emissions Tons/Yr: 50
 NOX - Oxides of Nitrogen Tons/Yr: 2
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1990
 County Code: 30
 Air Basin: SC
 Facility ID: 779
 Air District Name: SC
 SIC Code: 8734
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 8
 Reactive Organic Gases Tons/Yr: 3
 Carbon Monoxide Emissions Tons/Yr: 29
 NOX - Oxides of Nitrogen Tons/Yr: 5
 SOX - Oxides of Sulphur Tons/Yr: 3
 Particulate Matter Tons/Yr: 1

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

NORTHROP GRUMMAN CAPISTRANO TEST SITE - NORTHROP GRUMMAN CTS (Continued)

S105940122

Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1995
County Code:	30
Air Basin:	SC
Facility ID:	779
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1996
County Code:	30
Air Basin:	SC
Facility ID:	779
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	15
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1997
County Code:	30
Air Basin:	SC
Facility ID:	779
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	47
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1998
County Code:	30
Air Basin:	SC
Facility ID:	779

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

NORTHROP GRUMMAN CAPISTRANO TEST SITE - NORTHROP GRUMMAN CTS (Continued)

S105940122

Air District Name: SC
 SIC Code: 8734
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 2
 Reactive Organic Gases Tons/Yr: 2
 Carbon Monoxide Emissions Tons/Yr: 47
 NOX - Oxides of Nitrogen Tons/Yr: 3
 SOX - Oxides of Sulphur Tons/Yr: 1
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
 County Code: 30
 Air Basin: SC
 Facility ID: 779
 Air District Name: SC
 SIC Code: 8734
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 2
 Reactive Organic Gases Tons/Yr: 2
 Carbon Monoxide Emissions Tons/Yr: 47
 NOX - Oxides of Nitrogen Tons/Yr: 3
 SOX - Oxides of Sulphur Tons/Yr: 1
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 30
 Air Basin: SC
 Facility ID: 779
 Air District Name: SC
 SIC Code: 8734
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 2
 Reactive Organic Gases Tons/Yr: 2
 Carbon Monoxide Emissions Tons/Yr: 47
 NOX - Oxides of Nitrogen Tons/Yr: 3
 SOX - Oxides of Sulphur Tons/Yr: 1
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
 County Code: 30
 Air Basin: SC
 Facility ID: 779
 Air District Name: SC
 SIC Code: 8734
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

NORTHROP GRUMMAN CAPISTRANO TEST SITE - NORTHROP GRUMMAN CTS (Continued)

S105940122

Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 9
 NOX - Oxides of Nitrogen Tons/Yr: 2
 SOX - Oxides of Sulphur Tons/Yr: 1
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

13

**TRW INCORPORATED
 33000 AVENIDA PICO
 SAN CLEMENTE, CA 92672**

**RCRA-LQG 1000119222
 FINDS CAD000629402
 NY MANIFEST
 CA HAZNET**

RCRA-LQG:

Date form received by agency: 03/01/2010
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Facility address: 33000 AVENIDA PICO
 SAN CLEMENTE, CA 92673
 EPA ID: CAD000629402
 Mailing address: P.O. BOX 10
 SAN CLEMENTE, CA 926730010
 Contact: RICHARD K ASHER
 Contact address: P.O. BOX 10
 SAN CLEMENTE, CA 926730010
 Contact country: Not reported
 Contact telephone: (949) 361-7106
 Contact email: RICHARD.ASHER@NGC.COM
 EPA Region: 09
 Land type: Private
 Classification: Large Quantity Generator
 Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: NORTHROP GRUMMAN SYSTEMS CORP
 Owner/operator address: Not reported
 92693
 Owner/operator country: Not reported
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 09/01/1963
 Owner/Op end date: Not reported
 Owner/operator name: TRW INCORPORATED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW INCORPORATED (Continued)

1000119222

Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: THE SAN JUAN PARTNERSHIP #6
 Owner/operator address: P.O. BOX #9
 SAN JUAN CAPISTRANO, CA 92693

Owner/operator country: Not reported
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 01/01/1940
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries
 Accumulated waste on-site: Yes
 Generated waste on-site: No

Waste type: Lamps
 Accumulated waste on-site: Yes
 Generated waste on-site: No

Waste type: Thermostats
 Accumulated waste on-site: Yes
 Generated waste on-site: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRW INCORPORATED (Continued)

1000119222

Historical Generators:

Date form received by agency: 02/25/2008
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: NORTHROP GRUMMAN / CAPISTRANO TEST SITE
 Classification: Large Quantity Generator

Date form received by agency: 02/27/2006
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: NORTHROP GRUMMAN/CAPISTRANO TEST SITE
 Classification: Large Quantity Generator

Date form received by agency: 02/27/2004
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: NORTHROP GRUMMAN / CAPISTRANO TEST SITE
 Classification: Large Quantity Generator

Date form received by agency: 01/15/2004
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: NORTHROP GRUMMAN SPACE MISSION SYS CORP
 Classification: Large Quantity Generator

Date form received by agency: 04/10/2002
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: TRW/CAPISTRANO TEST SITE
 Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: TRW/CAPISTRANO TEST SITE
 Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: TRW/CAPISTRANO TEST SITE
 Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: TRW INC.
 Classification: Large Quantity Generator

Date form received by agency: 02/27/1996
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: TRW/CAPISTRANO TEST SITE
 Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: TRW/ CAPISTRANO TEST SITE
 Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: TRW
 Classification: Large Quantity Generator

Date form received by agency: 04/13/1990

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRW INCORPORATED (Continued)

1000119222

Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: TRW INC.-SPACE & DEFENSE (SITE 45)
 Classification: Large Quantity Generator

Date form received by agency: 08/20/1980
 Facility name: NORTHROP GRUMMAN SYSTEMS CORPORATION
 Site name: TRW INC.
 Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: 133
 Waste name: 133

Waste code: 135
 Waste name: 135

Waste code: 151
 Waste name: 151

Waste code: 181
 Waste name: 181

Waste code: 214
 Waste name: 214

Waste code: 221
 Waste name: 221

Waste code: 331
 Waste name: 331

Waste code: 343
 Waste name: 343

Waste code: 352
 Waste name: 352

Waste code: 513
 Waste name: 513

Waste code: 551
 Waste name: 551

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRW INCORPORATED (Continued)

1000119222

USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
 Waste name: CHROMIUM

Waste code: D008
 Waste name: LEAD

Waste code: D039
 Waste name: TETRACHLOROETHYLENE

Waste code: F001
 Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
 Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRW INCORPORATED (Continued)

1000119222

Amount (Lbs): WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
 4185

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 129150

Waste code: D007
 Waste name: CHROMIUM
 Amount (Lbs): 137640

Waste code: D008
 Waste name: LEAD
 Amount (Lbs): 137640

Waste code: D039
 Waste name: TETRACHLOROETHYLENE
 Amount (Lbs): 4000

Waste code: F001
 Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 5510

Waste code: F002
 Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 5510

Waste code: F003
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW INCORPORATED (Continued)

1000119222

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 1510

Facility Has Received Notices of Violations:

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 10/24/2002
 Date achieved compliance: 09/02/2003
 Violation lead agency: EPA
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 09/26/2003
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 33214
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 10/24/2002
 Date achieved compliance: 09/02/2003
 Violation lead agency: EPA
 Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement action date: 09/26/2003
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 33214
 Paid penalty amount: 33214

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 10/24/2002
 Date achieved compliance: 09/02/2003
 Violation lead agency: EPA
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 03/25/2003
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 10/24/2002
 Date achieved compliance: 09/02/2003
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: 12/31/2002
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported

MAP FINDINGS

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 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRW INCORPORATED (Continued)

1000119222

Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: F - 264.190-201.J
 Area of violation: TSD - General
 Date violation determined: 10/24/2002
 Date achieved compliance: 09/02/2003
 Violation lead agency: EPA
 Enforcement action: Not reported
 Enforcement action date: 12/31/2002
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Evaluation Action Summary:

Evaluation date: 06/28/2010
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 05/20/2009
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 06/15/2006
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: Local

Evaluation date: 05/02/2005
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

Evaluation date: 10/24/2002
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 09/02/2003
 Evaluation lead agency: EPA

Evaluation date: 10/24/2002
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: TSD - General
 Date achieved compliance: 09/02/2003
 Evaluation lead agency: EPA

FINDS:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRW INCORPORATED (Continued)

1000119222

Registry ID: 110002416387

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: CAD000629402
 Country: USA
 Mailing Name: TRW/CAPISTRANO TEST SITE
 Mailing Contact: RICHARD ASHNER
 Mailing Address: BOX 10 33000 AVENIDA PICO
 Mailing Address 2: Not reported
 Mailing City: SAN CLEMENTE
 Mailing State: CA
 Mailing Zip: 92673
 Mailing Zip4: Not reported
 Mailing Country: USA
 Mailing Phone: 714-361-7106

Document ID: NYB7731828
 Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC
 Trans1 State ID: 11278PNY
 Trans2 State ID: Not reported
 Generator Ship Date: 970723
 Trans1 Recv Date: 970723
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 970811
 Part A Recv Date: 970827
 Part B Recv Date: 970826
 Generator EPA ID: CAD000629402
 Trans1 EPA ID: NYD980769947
 Trans2 EPA ID: Not reported
 TSDf ID: NYD000632372
 Waste Code: D002 - NON-LISTED CORROSIVE WASTES
 Quantity: 00010
 Units: P - Pounds
 Number of Containers: 001
 Container Type: CY - Cylinders
 Handling Method: T Chemical, physical, or biological treatment.
 Specific Gravity: 100
 Year: 97

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRW INCORPORATED (Continued)

1000119222

Document ID: NYB4413258
 Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC
 Trans1 State ID: 10210PNY
 Trans2 State ID: Not reported
 Generator Ship Date: 931005
 Trans1 Recv Date: 931005
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 931101
 Part A Recv Date: Not reported
 Part B Recv Date: 931116
 Generator EPA ID: CAD000629402
 Trans1 EPA ID: NYD980769947
 Trans2 EPA ID: Not reported
 TSDf ID: NYD000632372
 Waste Code: D003 - NON-LISTED REACTIVE WASTES
 Quantity: 00150
 Units: P - Pounds
 Number of Containers: 002
 Container Type: DM - Metal drums, barrels
 Handling Method: B Incineration, heat recovery, burning.
 Specific Gravity: 100
 Year: 93

HAZNET:

Year: 2002
 Gepaid: CAD000629402
 Contact: RICHARD K ASHER ENVR COORDINAT
 Telephone: 9493617106
 Mailing Name: Not reported
 Mailing Address: PO BOX 10
 Mailing City,St,Zip: SAN CLEMENTE, CA 926740010
 Gen County: Orange
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Asbestos containing waste
 Disposal Method: H01
 Tons: 0.07
 Facility County: Not reported

Year: 2002
 Gepaid: CAD000629402
 Contact: RICHARD K ASHER ENVR COORDINAT
 Telephone: 9493617106
 Mailing Name: Not reported
 Mailing Address: PO BOX 10
 Mailing City,St,Zip: SAN CLEMENTE, CA 926740010
 Gen County: Orange
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Unspecified aqueous solution
 Disposal Method: R01
 Tons: 14.95
 Facility County: Not reported

Year: 2002
 Gepaid: CAD000629402
 Contact: RICHARD K ASHER ENVR COORDINAT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW INCORPORATED (Continued)

1000119222

Telephone: 9493617106
 Mailing Name: Not reported
 Mailing Address: PO BOX 10
 Mailing City,St,Zip: SAN CLEMENTE, CA 926740010
 Gen County: Orange
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Alkaline solution without metals pH >= 12.5
 Disposal Method: R01
 Tons: 18.76
 Facility County: Not reported

Year: 2002
 Gepaid: CAD000629402
 Contact: RICHARD K ASHER ENVR COORDINAT
 Telephone: 9493617106
 Mailing Name: Not reported
 Mailing Address: PO BOX 10
 Mailing City,St,Zip: SAN CLEMENTE, CA 926740010
 Gen County: Orange
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Liquids with mercury >= 20 Mg./L
 Disposal Method: Not reported
 Tons: 0.00
 Facility County: Not reported

Year: 2002
 Gepaid: CAD000629402
 Contact: RICHARD K ASHER ENVR COORDINAT
 Telephone: 9493617106
 Mailing Name: Not reported
 Mailing Address: PO BOX 10
 Mailing City,St,Zip: SAN CLEMENTE, CA 926740010
 Gen County: Orange
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Laboratory waste chemicals
 Disposal Method: H01
 Tons: 0.00
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 142 additional CA_HAZNET: record(s) in the EDR Site Report.

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T R W CAPISTRANO TEST SITE
33000 AVENIDA PICO
SAN CLEMENTE, CA 92672

CA NPDES U003659709
CA SLIC N/A
CA UST
CA SWEEPS UST
CA CHMIRS

NPDES:
 Npdes Number: CAS000002
 Facility Status: Terminated
 Agency Id: Not reported
 Region: 9
 Regulatory Measure Id: 401919
 Order No: 2009-0009-DWQ

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

T R W CAPISTRANO TEST SITE (Continued)

U003659709

Regulatory Measure Type: Enrollee
 Place Id: Not reported
 WDID: 9 30C357312
 Program Type: Construction
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 02/09/2010
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: 06/20/2011
 Discharge Name: Pfeiler and Associates Engineers, Inc
 Discharge Address: 14181 Fern Avenue
 Discharge City: Chino
 Discharge State: California
 Discharge Zip: 91710

SLIC:

Region: STATE
Facility Status: **Open - Site Assessment**
 Status Date: 12/21/2010
 Global Id: T10000002698
 Lead Agency: SAN DIEGO RWQCB (REGION 9)
 Lead Agency Case Number: Not reported
 Latitude: 33.4624514218978
 Longitude: -117.547745704651
 Case Type: Cleanup Program Site
 Case Worker: XY
 Local Agency: ORANGE COUNTY
 RB Case Number: Not reported
 File Location: Regional Board
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
 Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Freon, Polychlorinated biphenyls (PCBs), NDMA - N-Nitrosodimethylamine, Perchlorate, Chromium
 Site History: The Area of concern is located in the eastern portion of the Facility and at the east of the HEPTS area. The main test area is composed of HATS, VETS, and potentially PITS operation areas. HATS includes the Bldg. 42E AST(water), upper (42D, F, V) and lower (steam vent, 42M and IPA containment structure) HATS, and gunnite drainage swale (not sure if this swale area has ever been investigated). PITS include the propulsion integration test stand, containment areas, and 42C Toluene AST. VETS includes the 42Y Bldg. valve shop; the former laser area (42N NAEL area); 42B lower VETS containment structure; the upper VETS [the former and current surface impoundment/reservoirs including the Fire X, former Fire X and cooling waer reservoirs Its operation includes a former surface impoundment/reservoir (43DT)]; and the former lower VETS reservoir (41H); the 41C bldg. diesel fuel AST and generator area; and the 41G current and former IPA, diesel, and brine ASTs. During historical investigations, soil and groundwater contamination has been observed. Constituents of concerns include VOCs (chlorinated solvents, hydrazine, PCB, NDMA, Cr(VI) and perchlorate.

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
 Status Date: 12/15/2010
 Global Id: T10000002686

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

T R W CAPISTRANO TEST SITE (Continued)

U003659709

Lead Agency: SAN DIEGO RWQCB (REGION 9)
 Lead Agency Case Number: Not reported
 Latitude: 33.4615921693435
 Longitude: -117.559697628021
 Case Type: Cleanup Program Site
 Case Worker: XY
 Local Agency: ORANGE COUNTY
 RB Case Number: Not reported
 File Location: Regional Board
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
 Potential Contaminants of Concern: Trichloroethylene (TCE), Freon, NDMA - N-Nitrosodimethylamine, Perchlorate, Chromium

Site History: The subject site is located approximately in the north-center of the operation areas of the Northrop Grumman Capistrano Test Site (the Facility). The site consists of the Bldg.41A valve, machine and weld shops, clean room (the upper shop area), and the septic area and former surface irrigation pond (the lower pond area). A (likely) perched GW aquifer has been found at the site with GW table ranging between 10? and about 50? bgs. Historical investigation results have shown elevated concentrations of VOCs (e.g., TCE and Freon 113) in soil vapor; various contaminants, including TCE Freon 113, NDMA, perchlorate and Cr(VI) have also been found in groundwater. SVE and DPE have been employed at the site to remediate contamination. At this time (as of 12/15/2010), two DPE systems are still in operation at the site. The site is currently vacant and is scheduled to be demolished by 12/31/2010.

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Open - Site Assessment**
 Status Date: 09/29/2010
 Global Id: T10000002570
 Lead Agency: SAN DIEGO RWQCB (REGION 9)
 Lead Agency Case Number: Not reported
 Latitude: 33.4608045136871
 Longitude: -117.565212249756
 Case Type: Cleanup Program Site
 Case Worker: XY
 Local Agency: ORANGE COUNTY
 RB Case Number: Not reported
 File Location: Regional Board
 Potential Media Affected: Soil
 Potential Contaminants of Concern: Trichloroethylene (TCE), Xylene, Freon

Site History: The Chem Lab is located in the west portion of the operational areas of the CTS facility. The Chem Lab operational include the 44A, B, and D former sump locations; a former drum storage area; septic area; former gravimelt; and former surface impoundment/reservoir locations. During the historical Phase I (October 2005) and Phase II (2006) investigations, soil borings were drilled down to 10? bgs with soil vapor and soil samples collected. VOCs including Freon 113, Toluene, Ethylbenzene, Xylene, and TCE were found, in general, at low concentrations (<10 ug/L) in soil vapor samples; at one boring SV08, higher concentration of Freon (50 ug/L air) was found at 10? bgs than at 5? bgs. No VOCs were found in soil samples; one sample (in SB04) showed detection of hydrazine (at low level). SVE and DPE had been used at the site to remediate VOCs and Cr(VI) impacted soil and

MAP FINDINGS

Map ID
 Direction
 Distance
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EDR ID Number
 EPA ID Number

Database(s)

T R W CAPISTRANO TEST SITE (Continued)

U003659709

groundwater. Six wells have been installed at the site. There wells were down to 25? bgs, soil lithology showed mostly sand. GW table is in general 15 to 20? bgs. As of 03/2010, VOCs including TCE (up to 62 ppb), Freon (14 ppb) and Cr (VI) (up to 3.9 ug/L) have been found in groundwater. ClO4 and hydrazine were found at low concentrations once. Only low levels of Methyl Chloride were found in one boring (VW-1 at 10? and 20? bgs, respectively) during well installation.

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	Open - Site Assessment
Status Date:	01/04/2010
Global Id:	T10000001730
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	#09IC011
Latitude:	33.4623798178436
Longitude:	-117.547101974487
Case Type:	Cleanup Program Site
Case Worker:	XY
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	2090034
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs), Explosives (UXO, MEC), Munitions Debris (MD), Lead, Polynuclear aromatic hydrocarbons (PAHs)
Site History:	The Capistrano Test Site (CTS) is located on a 2,800 acres of leased land at San Clemente, Orange County. Northrop Grumman Space Technology (NGST) leases the land from Mission Viejo Ranch. Of the 2,800 acres of leased land, 500 acres are developed and used to conduct reserch adn development testing on prototype rocket engines and laser systems, and testing of satellite communication systems. Past activities have included coal desulphurization, coal combustor, adn coal fired burner research. The remainig 2,300 acres of undeveloped land provides a buffer to the surrounding areas from site testing activities and has been used by the Mission Viejo Ranch to support ranching activities. Areas of concerns at the site include , and not limited to, operation areas (sub-areas) Bldg. 41A area, FETS, Chem Lab, HEPTS, the Main Test area (upper and lower HATS, PITS and VETS) and upper and lower shooting ranges. As part of a site redevelopment plan, facility-wide investigations were conducted in June 2002, October 2005, and 2006 respectively. Constituents of concerns, including and not limited to, chlorinated solvents (PCE, TCE, 1,1-DCE, etc.) and other VOCs (e.g., BTEX, Freon 113), hydrazine, PCB, and Cr(VI) have observed in both soil and groundwater. In addition, emerging contaminants such as perchlorate, NDMA, 1,2,3-TCP, and 1,4-Dioxane have been observed in groundwater at some of the subareas. Remedial actions at the facility include the removal of lead-impacted soil from the upper and the lower shooting ranges in November 2009, (following which the Orange County Health Care Agency issued NFA letters for the two shooting ranges in May 2010); the interim remedial actions [SVE and Dual Phase Extraction (DPE)] at the Bldg. 41A area [also with hot spot (so-called source zone) soil removal] and FETS areas; and the removal of PCB and ME impacted soil at the HEPTS and VETS areas (report not

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

T R W CAPISTRANO TEST SITE (Continued)

U003659709

submitted, removal activity occurred sometime before 1/25/2010)
 Additional investigations, including groundwater monitoring and site
 characterization (at the HEPTS and the Main Test areas) are currently
 on-going at the facility.

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Open - Site Assessment**
 Status Date: 09/29/2010
 Global Id: T10000002571
 Lead Agency: SAN DIEGO RWQCB (REGION 9)
 Lead Agency Case Number: Not reported
 Latitude: 33.4573315829573
 Longitude: -117.563881874084
 Case Type: Cleanup Program Site
 Case Worker: XY
 Local Agency: ORANGE COUNTY
 RB Case Number: Not reported
 File Location: Regional Board
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
 Potential Contaminants of Concern: Benzene, Other Chlorinated Hydrocarbons, Freon
 Site History: The subject site is located at the southwest portion of the
 operational area. Historical operation includes the Bldg. 46F valve
 shop; former generator location; former north and south surface
 impoundments/reservoirs area; former test cells and a former
 hydrocarbon remediation area. Results of historical investigation
 have shown soil (including soil vapor) and groundwater contamination
 by TCE, 1,1-DCE, benzene, and Freon 113 at the site. Interim
 remedial actions including SVE and DPE had been used. Currently, a
 remedy of in-situ chemical injection is being considered to remove
 the contamination of chlorinated solvents at the site.

Click here to access the California GeoTracker records for this facility:

UST:
 Facility ID: 9698
 Latitude: 33.42506
 Longitude: -117.61495

SWEEPS UST:
 Status: Not reported
 Comp Number: 3947
 Number: Not reported
 Board Of Equalization: 44-016101
 Ref Date: Not reported
 Act Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 30-000-003947-000018
 Actv Date: Not reported
 Capacity: 500
 Tank Use: UNKNOWN
 Stg: PRODUCT
 Content: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

T R W CAPISTRANO TEST SITE (Continued)

U003659709

Number Of Tanks: 1
 Status: A
 Comp Number: 3947
 Number: 9
 Board Of Equalization: 44-016101
 Ref Date: 09-30-92
 Act Date: 09-15-92
 Created Date: 02-29-88
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: Not reported
 Actv Date: Not reported
 Capacity: Not reported
 Tank Use: Not reported
 Stg: Not reported
 Content: Not reported
 Number Of Tanks: Not reported

CHMIRS:

OES Incident Number: 05-1086
 OES notification: 2/17/200503:17:48 PM
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agncy Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported
 Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

T R W CAPISTRANO TEST SITE (Continued)

U003659709

Waterway Involved: Not reported
 Waterway: Not reported
 Spill Site: Not reported
 Cleanup By: Reporting Party
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Not reported
 Other: Not reported
 Date/Time: Not reported
 Year: 2005
 Agency: Northrop Grumman
 Incident Date: 2/17/2005 12:00:00 AM
 Admin Agency: San Clemente Fire Department
 Amount: Not reported
 Contained: Yes
 Site Type: Merchant/Business
 E Date: Not reported
 Substance: Hydrogen Peroxide
 Quantity Released: Not reported
 BBLs: 0
 Cups: 0
 CUFT: 0
 Gallons: 0.000000
 Grams: 0
 Pounds: 115
 Liters: 0
 Ounces: 0
 Pints: 0
 Quarts: 0
 Sheen: 0
 Tons: 0
 Unknown: 0
 Evacuations: 0
 Number of Injuries: 0
 Number of Fatalities: 0
 Description: A fitting broke on the way to the tank.

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TRW OPERATIONS & SUPPORT GROUP - CAPISTRANO TEST SITE
33000 AVENIDA PICO
SAN JUAN CAPISTRANO, CA 92675

CA SLIC S110041747
N/A

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 10/12/1988
 Global Id: SL0605977705
 Lead Agency: SAN DIEGO RWQCB (REGION 9)
 Lead Agency Case Number: Not reported
 Latitude: 33.4605538944774
 Longitude: -117.559504508972
 Case Type: Cleanup Program Site
 Case Worker: JPA
 Local Agency: Not reported
 RB Case Number: 9 000081N85
 File Location: Regional Board
 Potential Media Affected: Soil
 Potential Contaminants of Concern: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRW OPERATIONS & SUPPORT GROUP - CAPISTRANO TEST SITE (Continued)

S110041747

Site History: See information about an associated new release with case number T10000001730.

[Click here to access the California GeoTracker records for this facility:](#)

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**TOMRA PACIFIC INC
 989 AVENIDA PICO
 SAN CLEMENTE, CA 92673**

**CA SWRCY S109935032
 CA HAZNET N/A**

SWRCY:

Facility Phone Number: (951) 520-1700
 Whether The Facility Is Grandfathered: N
 Effective Date: 05/06/2011
 Rural: N
 As Of: 09/07/2011
 Party Number: 139087

HAZNET:

Year: 2010
 Gepaid: CAL000324834
 Contact: ERICA FRANSEN
 Telephone: 2083954793
 Mailing Name: Not reported
 Mailing Address: PO BOX 20 DEPT 72405
 Mailing City,St,Zip: BOISE, ID 837260000
 Gen County: Not reported
 TSD EPA ID: OHD083377010
 TSD County: Not reported
 Waste Category: Aqueous solution (2 < pH < 12.5) containing reactive anions ...
 Disposal Method: CHEMICAL REDUCTION WITH OR WITHOUT PRECIPITATION
 Tons: 0.0115
 Facility County: Orange

Year: 2010
 Gepaid: CAL000324834
 Contact: ERICA FRANSEN
 Telephone: 2083954793
 Mailing Name: Not reported
 Mailing Address: PO BOX 20 DEPT 72405
 Mailing City,St,Zip: BOISE, ID 837260000
 Gen County: Not reported
 TSD EPA ID: OHD083377010
 TSD County: Not reported
 Waste Category: Unspecified solvent mixture
 Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
 Tons: 0.002
 Facility County: Orange

Year: 2008
 Gepaid: CAL000324834
 Contact: ERICA FRANSEN
 Telephone: 2083954793
 Mailing Name: Not reported
 Mailing Address: 250 PARKCENTER BLVD
 Mailing City,St,Zip: BOISE, ID 837060000
 Gen County: Orange
 TSD EPA ID: CAD008364432

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TOMRA PACIFIC INC (Continued)

S109935032

TSD County: Los Angeles
 Waste Category: Alkaline solution without metals pH >= 12.5
 Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
 Tons: 0.015
 Facility County: Orange

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**PACIFIC GOLF CLUB
 200 AVENIDA LA PATA
 SAN CLEMENTE, CA 92673**

**CA LUST U003433332
 CA UST N/A
 CA SWEEPS UST
 CA HAZNET**

LUST:

Region: STATE
 Global Id: T0605946407
 Latitude: 33.453304
 Longitude: -117.590421
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 03/06/2002
 Lead Agency: ORANGE COUNTY LOP
 Case Worker: JS
 Local Agency: ORANGE COUNTY LOP
 RB Case Number: Not reported
 LOC Case Number: 01UT014
 File Location: Local Agency
 Potential Media Affect: Under Investigation
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0605946407
 Contact Type: Regional Board Caseworker
 Contact Name: UNASSIGNED
 Organization Name: SAN DIEGO RWQCB (REGION 9)
 Address: 9174 SKY PARK COURT, SUITE 100
 City: SAN DIEGO
 Email: Not reported
 Phone Number: Not reported

Global Id: T0605946407
 Contact Type: Local Agency Caseworker
 Contact Name: GENIECE HIGGINS
 Organization Name: ORANGE COUNTY LOP
 Address: 1241 EAST DYER ROAD SUITE 120
 City: SANTA ANA
 Email: ghiggins@ochca.com
 Phone Number: 7144336263

LUST:

Global Id: T0605946407
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0605946407

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC GOLF CLUB (Continued)

U003433332

Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

ORANGE CO. LUST:

Region: ORANGE
 Facility Id: 01UT014
 Current Status: Certification (Case Closed)
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: 03/06/2002
 Case Type: Undetermined
 Record ID: RO0001454

UST:

Facility ID: 15338
 Latitude: 33.45079
 Longitude: -117.59146

SWEEPS UST:

Status: A
 Comp Number: 9245
 Number: 9
 Board Of Equalization: 44-016748
 Ref Date: 09-30-92
 Act Date: 09-15-92
 Created Date: 02-29-88
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: Not reported
 Actv Date: Not reported
 Capacity: Not reported
 Tank Use: Not reported
 Stg: Not reported
 Content: Not reported
 Number Of Tanks: Not reported

HAZNET:

Year: 2010
 Gepaid: CAL000316002
 Contact: JAY PESICKA
 Telephone: 9493334840
 Mailing Name: Not reported
 Mailing Address: 200 AVENIDA LA PATA
 Mailing City,St,Zip: SAN CLEMENTE, CA 926736301
 Gen County: Not reported
 TSD EPA ID: CAD097030993
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
 Tons: 0.15
 Facility County: Orange
 Year: 1998

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PACIFIC GOLF CLUB (Continued)

U003433332

Gepaid: CAL000064180
Contact: KEN OKUDA-GAIA & URANIUS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 200 AVENIDA LA PATA
Mailing City, St, Zip: SAN CLEMENTE, CA 926736301
Gen County: Orange
TSD EPA ID: CAD093459485
TSD County: Fresno
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)

Disposal Method: H01
Tons: .0542
Facility County: Orange

Count: 44 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CAMP PENDLETON	S105155585	US MARINE CORP ACS ENV SEC BLD	52ND AREA & BASILONE RD	92055	CA SWF/LF, CA WDS
CAMP PENDLETON	1007465966	U.S. MARINE CORPS-CAMP PENDLETON SOUTH	ADMINISTRATION BLDG. 1160 (RM: 295)	92055	FINDS
CAMP PENDLETON	S106069985	SOUTH MESA HOUSING MAINT	AREA 20	92055	CA San Diego Co. HMMMD
CAMP PENDLETON	S105155584	US MARINE CORP LAS PULGAS LAND	43 AREA AND BASILONE RD	92055	CA SWF/LF, CA NPDES, CA WDS
CAMP PENDLETON	S108224950	WATKINS CONTRACTING INC/SOUTH DIV US NAVY SITE	BASILONE RD	92055	CA HAZNET
CAMP PENDLETON	1008931452	NORTH COUNTY TRANSPORTATION DISTRICT	RAILROAD CROSSING AT SAN MATEO CREEK	92055	FINDS
LAGUNA NIGUEL	S107147397	SOUTH ORANGE COUNTY WASTE WATER AUTHORITY	283031 ALICIA PKWY	92677	CA HAZNET
LAGUNA NIGUEL	1005415591	COSTCO WHOLESALE NO 690	27220 HEATHER RIDGE RD	92677	RCRA-SQG, FINDS, CA UST, CA HAZNET
LAGUNA NIGUEL	A100340573		31461 ST OF THE GOLDEN LANTERN	92677	CA AST
OCEANSIDE	S103619392	NORTH COUNTY TRANSIT COASTER SVC	1 COASTER WAY	92055	CA HAZNET
OCEANSIDE	S111079623	NORTH COUNTY TRANSIT DISTRICT	LONG 331487	92055	CA HAZNET
ORANGE	S110736242	SOUTH OLA VISTA STREET REHAB	AVENIDA PRINCESA TO AVE	92673	CA NPDES
ORANGE	S110736241	SOUTH OLA VISTA ST REHABILITATION PHASE 1 PROJECT 18318	PALIZADA TO N AVE	92673	CA NPDES
ORANGE COUNTY	2011976974	DANA MARINA WEST C-DOCK IN THE SOUTH EAST CORNER. NONE	DANA MARINA WEST C-DOCK IN THE SOUTH EAST CORNER. NONE		ERNS
ORANGE COUNTY	2011979156	ORANGE COUNTY FLOOD CONTROL CHANNEL 7251 FENWICK LANE	ORANGE COUNTY FLOOD CONTROL CHANNEL 7251 FENWICK LANE		ERNS
SAN CLEMENTE	1000409128	SOUTHERN CAL EDISON	1 5 BASELINE	92672	RCRA-SQG, FINDS
SAN CLEMENTE	1000151451	ADVANCED SURGICAL INTERVENTION	920A CALLE NEGOCIO	92672	RCRA-SQG, FINDS
SAN CLEMENTE	1000324713	PICO CLEANERS	95 CALLE INDUSTRIAS	92672	RCRA-SQG, FINDS
SAN CLEMENTE	1004675643	TEXACO SERVICE STATION	795 EL CAMINO REAL	92673	RCRA-SQG, FINDS
SAN CLEMENTE	1000401479	NELSONS CONTINENTAL CLEANERS	810 EL CAMINO REAL	92672	RCRA-SQG, FINDS
SAN CLEMENTE	S102439021	THRIFTY SERVICE STATION #	1010 EL CAMINO REAL	92672	CA HIST CORTESE, CA LUST
SAN CLEMENTE	S102433750	MOBIL SERVICE STATION #18	1430 EL CAMINO REAL	92672	CA HIST CORTESE, CA LUST
SAN CLEMENTE	S102439080	THRIFTY SERVICE STATION #392	1010 EL CAMINO REAL	92672	CA LUST
SAN CLEMENTE	S102436306	SAN CLEMENTE CAR WASH	1731 EL CAMINO REAL	92673	CA HIST CORTESE, CA LUST
SAN CLEMENTE	S109035041	FRED STIER AUTO SALES LOT	1645 EL CAMINO REAL	92672	CA LUST
SAN CLEMENTE	S104165723	SHELL STATION	2400 S EL CAMINO REAL	92672	CA HIST CORTESE
SAN CLEMENTE	1000921580	SAN ONOFRE NUC GENERATING STA	5000 S PACIFIC COAST HWY	92672	CORRACTS, RCRA-TSDF, RCRA-LQI, CA UST, CA HWP
SAN CLEMENTE	S106060433	SAN ONOFRE NUC GENERATING STA	5000 S PACIFIC COAST HWY	92672	CA LUST, CA SLIC, CA SWEEPS UST, CA AST, CA San Diego Co. HMMMD, CA SAN DIEGO CO. SAM
SAN CLEMENTE	S102436400	SO CAL EDISON CO SAN ONOFRE FA	5000 PACIFIC COAST HWY	92672	CA NPDES, CA LUST
SAN CLEMENTE	S104586778	SOUTHERN CALIFORNIA EDISON CO SAN ONOFRE	5000 PACIFIC COAST HWY	92672	CA WDS, CA NPDES, CA HIST CORTESE, CA CHMIRS, CA ENF, CA HAZNET, CA ENVIROSTOR
SAN CLEMENTE	S107737230	SAN CLEMENTE ISLAND NALF	SAN CLEMENTE	92672	CA ENVIROSTOR
SAN CLEMENTE	S110770316	SAN CLEMENTE BURN DUMP	VISTA BAHIA PARK	92673	CA SLIC
SAN JUAN CAPISTRANO	1000271462	LAAKMANN ELECTRO-OPTICS, INC	3305 CALLE AVIADOR	92675	RCRA-SQG, FINDS

Count: 44 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN JUAN CAPISTRANO	S103653287	COUNTY ORANGE/EMA	3301 ORETAGA HWY	92675	CA HAZNET
SAN JUAN CAPISTRANO	S109821500	RANCHO MISSION VIEJO COMPOST FACILITY	ORTEGA HWY		CA SWF/LF
SAN JUAN CAPISTRANO	S105026328	BEACON SERVICE STATION	33977 ORTEGA HWY/LUC	92675	CA HIST CORTESE
SAN JUAN CAPISTRANO	S109422301	CITY OF SAN JUAN CAPISTRANO LVTOP.	32400 N PSO ADELANTO 500		CA SWF/LF
SAN JUAN CAPISTRANO	S111291384	COUNTY OF ORANGE - ANTONIO PARKWAY WIDENING CONSTRUCTION DEW	ZERO ANTONIO PKWY & ORTEGA HWY		CA NPDES
SAN ONOFRE	S108407228	SAN ONOFRE TRUCK SCALES	HY 5 SOUTH	92055	CA SAN DIEGO CO. SAM
SAN ONOFRE	S102436399	SAN ONOFRE NUCLEAR GEN STATION	5000 PACIFIC COAST HWY S	92672	CA LUST
SAN ONOFRIE	93302335	I-5 SB, SOUTH OF SAN ONOFRIE	I-5 SB, SOUTH OF SAN ONOFRIE	92672	ERNS
SOUTH LAGUNA	U001577845	COAST HIGHWAY SEWAGE LIFT STAT	33101 COAST HIGHWAY	92677	CA HIST UST
SOUTH LAGUNA	U001577867	STATION #5434	#4 MONARCH BAY PLAZA	92677	CA HIST UST
SOUTH LAGUNA	U001577868	UNION OIL SERVICE STATION #543	#J MONARCH BAY PLAZA	92677	CA HIST UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/29/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/29/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/16/2011	Telephone: 202-564-6023
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/09/2011	Source: EPA
Date Data Arrived at EDR: 03/15/2011	Telephone: 800-424-9346
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 11/14/2011
Number of Days to Update: 91	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/05/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 12/09/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/26/2012
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 12/09/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/26/2012
	Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/03/2011	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/04/2011	Telephone: 202-267-2180
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/04/2011
Number of Days to Update: 38	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/04/2011	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/04/2011	Telephone: 202-366-4555
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 01/03/2012
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/16/2012
	Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/09/2011	Telephone: 202-366-4595
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 11/08/2011
Number of Days to Update: 94	Next Scheduled EDR Contact: 02/20/2012
	Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/08/2011
Date Data Arrived at EDR: 09/16/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 13

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/05/2011
Next Scheduled EDR Contact: 03/19/2012
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/27/2011
Date Data Arrived at EDR: 06/27/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/27/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/20/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/09/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/22/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 41

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/27/2011
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/31/2011
Date Data Arrived at EDR: 09/14/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 15

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/14/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/21/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 99

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/29/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 12/21/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/07/2011
Next Scheduled EDR Contact: 03/19/2012
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 94

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 12/02/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/27/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011
Date Data Arrived at EDR: 01/21/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 12/21/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/19/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/12/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/13/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (415) 947-8000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 12/13/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 03/26/2012
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009	Source: EPA/NTIS
Date Data Arrived at EDR: 03/01/2011	Telephone: 800-424-9346
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/30/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Biennially

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 10/14/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2009	Telephone: 202-566-0517
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 11/04/2011
Number of Days to Update: 100	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 12/08/2011
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 10/17/2011
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 12/08/2011
Number of Days to Update: 77	Next Scheduled EDR Contact: 03/26/2012
	Data Release Frequency: Varies

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 10/24/2011
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/06/2012
	Data Release Frequency: Varies

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/07/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/14/2011
Next Scheduled EDR Contact: 02/20/2012
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/21/2011
Date Data Arrived at EDR: 11/22/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 21

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/22/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/14/2011
Next Scheduled EDR Contact: 02/27/2012
Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/21/2011
Date Data Arrived at EDR: 11/22/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/22/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 11/30/2011
Date Data Arrived at EDR: 11/30/2011
Date Made Active in Reports: 12/16/2011
Number of Days to Update: 16

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/03/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTITES].

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/19/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Quarterly

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 33

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/19/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 33

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/19/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 12/14/2011
Number of Days to Update: 34

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 12/19/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/19/2012
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/19/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/09/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Varies

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 05/03/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 43

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 33

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/19/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tank Facilities Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 10/11/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 33

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/19/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/20/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/13/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 11/07/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/14/2011
Next Scheduled EDR Contact: 02/20/2012
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/28/2011
Date Data Arrived at EDR: 07/21/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/21/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 10/03/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/15/2011
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/30/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2011
Date Data Arrived at EDR: 08/11/2011
Date Made Active in Reports: 09/09/2011
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/03/2012
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 11/07/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/14/2011
Next Scheduled EDR Contact: 02/20/2012
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 07/19/2011
Date Made Active in Reports: 08/16/2011
Number of Days to Update: 28

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/17/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 19

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/30/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Varies

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/14/2011
Date Data Arrived at EDR: 09/15/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 39

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 12/27/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/07/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/14/2011
Next Scheduled EDR Contact: 02/20/2012
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/09/2010
Date Data Arrived at EDR: 08/11/2010
Date Made Active in Reports: 08/20/2010
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/02/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/20/2011
Date Data Arrived at EDR: 10/21/2011
Date Made Active in Reports: 11/08/2011
Number of Days to Update: 18

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/21/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 09/09/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 10/10/2011
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/12/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/19/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/20/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 11/07/2011
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/20/2012
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/16/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/02/2011	Telephone: 913-551-7003
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 103	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 11/01/2011
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/01/2011	Telephone: 415-972-3372
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011	Source: EPA Region 10
Date Data Arrived at EDR: 11/04/2011	Telephone: 206-553-2857
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 7	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/11/2011	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2011	Telephone: 404-562-8677
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6271
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011	Source: EPA Region 10
Date Data Arrived at EDR: 11/04/2011	Telephone: 206-553-2857
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 7	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/04/2011	Source: EPA Region 9
Date Data Arrived at EDR: 08/05/2011	Telephone: 415-972-3368
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6137
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/01/2011	Telephone: 913-551-7003
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011	Source: EPA Region 5
Date Data Arrived at EDR: 08/26/2011	Telephone: 312-886-6136
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/11/2011	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2011	Telephone: 404-562-9424
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 10/04/2011	Telephone: 617-918-1102
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/04/2011
Number of Days to Update: 38	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/10/2011
Date Data Arrived at EDR: 10/11/2011
Date Made Active in Reports: 11/09/2011
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/30/2011
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/10/2011
Date Data Arrived at EDR: 10/11/2011
Date Made Active in Reports: 11/14/2011
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/30/2011
Next Scheduled EDR Contact: 04/16/2012
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/28/2011
Date Data Arrived at EDR: 11/29/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 14

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 11/07/2011
Next Scheduled EDR Contact: 02/20/2012
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 12/16/2011
Next Scheduled EDR Contact: 02/27/2012
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/20/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/28/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 24

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/17/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/24/2011
Date Data Arrived at EDR: 10/25/2011
Date Made Active in Reports: 11/22/2011
Number of Days to Update: 28

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/25/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 11/17/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/09/2011
Date Data Arrived at EDR: 02/09/2011
Date Made Active in Reports: 03/04/2011
Number of Days to Update: 23

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/24/2011
Next Scheduled EDR Contact: 02/06/2012
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/03/2011
Date Data Arrived at EDR: 02/08/2011
Date Made Active in Reports: 03/03/2011
Number of Days to Update: 23

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/24/2011
Next Scheduled EDR Contact: 02/06/2012
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/17/2011	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/19/2011	Telephone: 310-618-2973
Date Made Active in Reports: 11/14/2011	Last EDR Contact: 10/17/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/17/2011	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/25/2011	Telephone: 415-499-6647
Date Made Active in Reports: 11/14/2011	Last EDR Contact: 10/11/2011
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 07/09/2008	Telephone: 707-253-4269
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 12/05/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 03/19/2012
	Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 12/05/2012
Number of Days to Update: 23	Next Scheduled EDR Contact: 03/19/2012
	Data Release Frequency: No Update Planned

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/01/2011	Source: Health Care Agency
Date Data Arrived at EDR: 11/17/2011	Telephone: 714-834-3446
Date Made Active in Reports: 12/13/2011	Last EDR Contact: 11/14/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/02/2011	Source: Health Care Agency
Date Data Arrived at EDR: 11/18/2011	Telephone: 714-834-3446
Date Made Active in Reports: 12/13/2011	Last EDR Contact: 11/14/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/02/2011	Source: Health Care Agency
Date Data Arrived at EDR: 11/18/2011	Telephone: 714-834-3446
Date Made Active in Reports: 12/14/2011	Last EDR Contact: 11/14/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/12/2011	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 09/13/2011	Telephone: 530-889-7312
Date Made Active in Reports: 10/18/2011	Last EDR Contact: 12/09/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/26/2012
	Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/20/2011	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/21/2011	Telephone: 951-358-5055
Date Made Active in Reports: 11/08/2011	Last EDR Contact: 12/21/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 04/09/2012
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/20/2011	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/21/2011	Telephone: 951-358-5055
Date Made Active in Reports: 11/14/2011	Last EDR Contact: 12/21/2011
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/26/2012
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/02/2011	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/12/2011	Telephone: 916-875-8406
Date Made Active in Reports: 11/08/2011	Last EDR Contact: 10/07/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2011	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/14/2011	Telephone: 916-875-8406
Date Made Active in Reports: 11/08/2011	Last EDR Contact: 10/07/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 12/16/2011
Number of Days to Update: 15

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/14/2011
Next Scheduled EDR Contact: 02/27/2012
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/09/2010
Date Data Arrived at EDR: 09/15/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 14

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/16/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 39

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/12/2011
Next Scheduled EDR Contact: 03/26/2012
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/14/2011
Next Scheduled EDR Contact: 02/27/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2011	Telephone: 415-252-3920
Date Made Active in Reports: 03/15/2011	Last EDR Contact: 11/14/2011
Number of Days to Update: 5	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 09/27/2011	Source: Environmental Health Department
Date Data Arrived at EDR: 09/28/2011	Telephone: N/A
Date Made Active in Reports: 10/19/2011	Last EDR Contact: 12/21/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/09/2012
	Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/17/2011	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 11/29/2011	Telephone: 650-363-1921
Date Made Active in Reports: 12/05/2011	Last EDR Contact: 12/14/2011
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/02/2012
	Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/20/2011	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 09/22/2011	Telephone: 650-363-1921
Date Made Active in Reports: 10/24/2011	Last EDR Contact: 12/14/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 04/02/2012
	Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005	Source: Santa Clara Valley Water District
Date Data Arrived at EDR: 03/30/2005	Telephone: 408-265-2600
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 03/23/2009
Number of Days to Update: 22	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 09/06/2011	Source: Department of Environmental Health
Date Data Arrived at EDR: 09/13/2011	Telephone: 408-918-3417
Date Made Active in Reports: 10/10/2011	Last EDR Contact: 12/05/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 03/19/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 09/01/2011	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 09/01/2011	Telephone: 408-535-7694
Date Made Active in Reports: 10/03/2011	Last EDR Contact: 12/12/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/20/2011	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 09/28/2011	Telephone: 707-784-6770
Date Made Active in Reports: 10/25/2011	Last EDR Contact: 01/03/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/02/2012
	Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/20/2011	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 09/28/2011	Telephone: 707-784-6770
Date Made Active in Reports: 10/19/2011	Last EDR Contact: 01/03/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/02/2012
	Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/05/2011	Source: Department of Health Services
Date Data Arrived at EDR: 04/06/2011	Telephone: 707-565-6565
Date Made Active in Reports: 05/12/2011	Last EDR Contact: 12/27/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/16/2012
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/12/2011	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 09/13/2011	Telephone: 530-822-7500
Date Made Active in Reports: 10/19/2011	Last EDR Contact: 12/09/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 03/26/2012
	Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/27/2011
Date Data Arrived at EDR: 11/23/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 20

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/17/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 09/14/2011
Date Data Arrived at EDR: 09/15/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 39

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/21/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/17/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 10/27/2011
Date Data Arrived at EDR: 11/07/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 36

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/30/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/19/2011
Number of Days to Update: 29

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/19/2011
Next Scheduled EDR Contact: 04/02/2012
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 11/15/2011
Date Data Arrived at EDR: 11/21/2011
Date Made Active in Reports: 12/14/2011
Number of Days to Update: 23

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/21/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/21/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 11/22/2011	Telephone: 860-424-3375
Date Made Active in Reports: 12/22/2011	Last EDR Contact: 11/22/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 03/05/2012
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/20/2011	Telephone: N/A
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 10/18/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2011	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/08/2011	Telephone: 518-402-8651
Date Made Active in Reports: 12/22/2011	Last EDR Contact: 11/08/2011
Number of Days to Update: 44	Next Scheduled EDR Contact: 02/20/2012
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/01/2009	Telephone: 717-783-8990
Date Made Active in Reports: 12/14/2009	Last EDR Contact: 09/26/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/24/2011	Telephone: 401-222-2797
Date Made Active in Reports: 06/30/2011	Last EDR Contact: 11/28/2011
Number of Days to Update: 6	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010	Source: Department of Natural Resources
Date Data Arrived at EDR: 08/19/2011	Telephone: N/A
Date Made Active in Reports: 09/15/2011	Last EDR Contact: 12/19/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/02/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

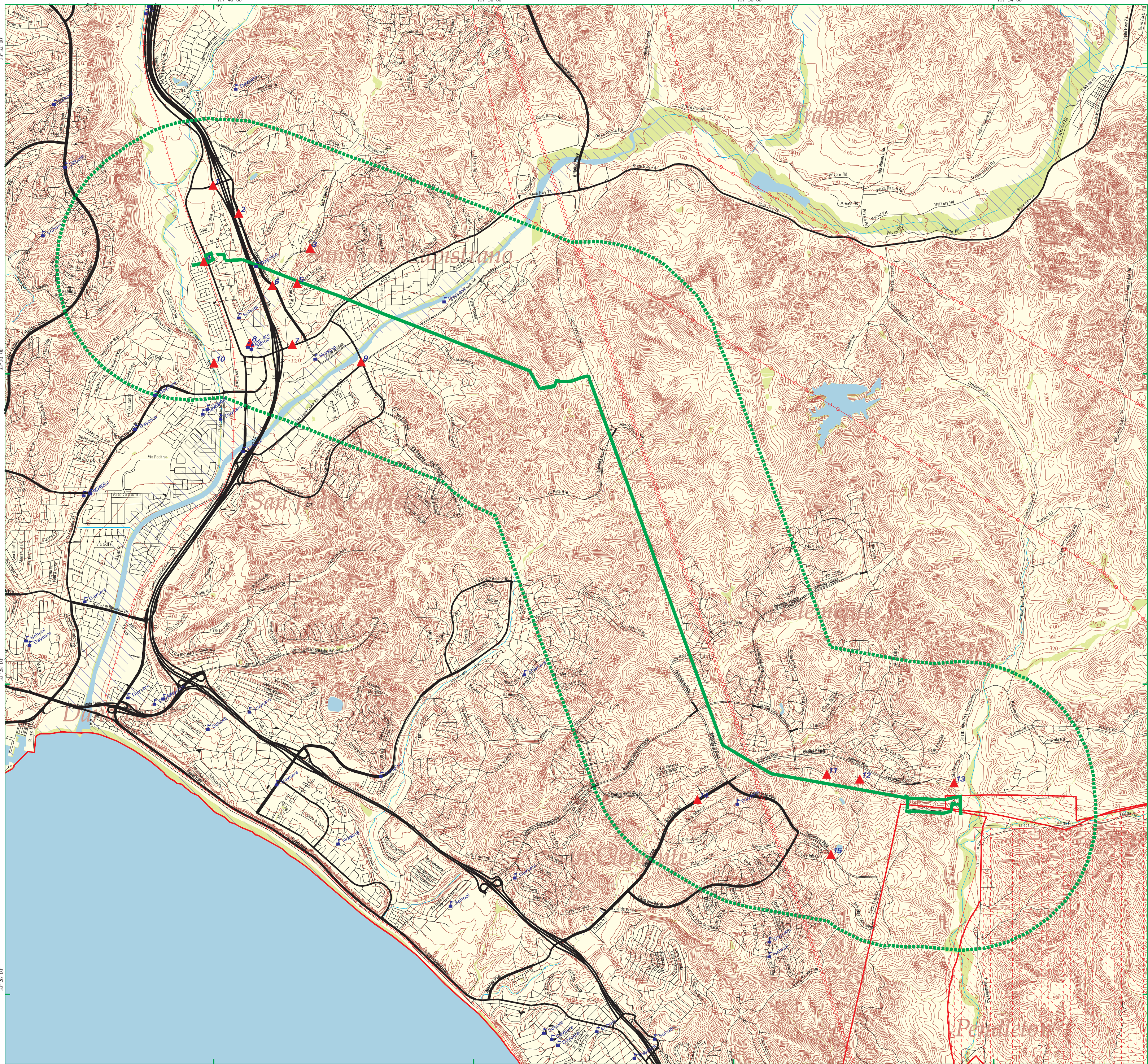
NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.


















STREET AND ADDRESS INFORMATION

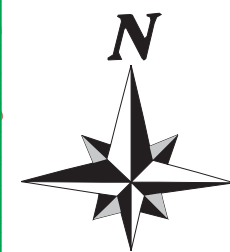
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EDR DataMap® Corridor Study

South Orange County
Reliability Enhancement



-  Listed Sites
-  Earthquake Epicenters (Richter 5 or greater)
-  Search Boundary
-  Roads
-  Major Roads
-  Waterways
-  Railroads
-  Contour Lines
-  Pipelines
-  Powerlines
-  Fault Lines
-  Water
-  Superfund Sites
-  Federal DOD Sites
-  Indian Reservations BIA
-  100-Yr Flood Zones
-  National Wetland Inventory



San Juan Capistrano, CA



Scale in Miles

